HYDROGEOLOGIC IMPACT ASSESSMENT REPORT, OCHOA MINE PROJECT

Lea County, New Mexico

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EXECUTIVE SUMMARY

Intercontinental Potash Corp. USA (ICP) is proposing to construct and operate the Ochoa Mine Project (Project) that would comprise an underground polyhalite mine, processing facility, and loading facility. The Project would be located about 60 miles east of Carlsbad and less than 20 miles northwest of Jal, New Mexico (Figure 1). Polyhalite ore from the underground mine will be used to produce sulfate of potash (SOP), a potassium fertilizer used throughout the world for food production. The Project requires water for both ore processing and for use at the plant facilities building. The demand for water for the Project is 6,452 acre-feet per year (4,000 gallons per minute) for 50 years. The source for the Project's water supply is the Capitan aquifer, which is a confined aquifer known to contain significant quantities of saline groundwater in New Mexico and Texas (Hiss, 1975). Up to eight water supply wells will produce saline water from the Capitan aquifer from an area to the east of the processing facility. An assessment of potential impacts on groundwater and surface water bodies within and adjacent to the Capitan aquifer was required as part of the permitting process. A conceptual and numerical groundwater flow model (Capitan aquifer model) was developed to assess the potential impacts. Four numerical models were developed, including a no-action model, a calibration model, and two predictive models representing the ICP water supply pumping and recovery scenarios.

Results from the conceptual model identified one potential impact requiring further evaluation with the numerical model. The one impact evaluated was the potential for drawdown in the aquifer, resulting from pumping of ICP wells, to induce leakage from or reduce groundwater discharge to the Pecos River near Carlsbad, New Mexico. Results of the numerical model indicated that drawdown due to pumping of ICP wells would extend to the Pecos River. To further evaluate impacts on the Pecos River, the Carlsbad Aquifer Groundwater (CAGW) superposition model, developed by the New Mexico Office of the State Engineer (Barroll et al., 2004; Papadopulos, 2008), was linked to the Capitan aquifer model. Using this approach, a maximum reduction of groundwater discharge to the Pecos River of 28.4 acre-feet per year was estimated, or 0.07 percent of the average annual discharge to the river based on the original CAGW model developed by the New Mexico Office of the State Engineer (Barroll et al., 2004). A reduction of 0.07 percent is considered a very limited impact to groundwater discharging to the Pecos River near Carlsbad, New Mexico.

A sensitivity analysis conducted on the Capitan aquifer model established that the parameter estimates used in the model were reasonable (all parameter sensitivities were of Type I, II, or III using ASTM standards) and that the model was representative of the groundwater flow system. Based on these results, the conclusions of the model were considered acceptable.

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ACRONYMS AND ABBREVIATIONS

ac-ft	acre-feet
ac-ft/yr	acre-feet per year
amsl	above mean sea level
CAGW	Carlsbad Area Groundwater
CAGWsup	superposition model of the CAGW model
ET	Evapotranspiration
ft	feet
gpm	gallons per minute
ICP	Intercontinental Potash Corp. USA
ME	mean error
Project	Ochoa Mine Project
RMSE	root mean square error
SOP	sulfate of potash
TWDB	Texas Water Development Board
USGS	United States Geological Survey
WIPP	Waste Isolation Pilot Plant

1.0 INTRODUCTION

Intercontinental Potash Corp. USA (ICP) is proposing to construct and operate the Ochoa Mine Project (Project), which would comprise an underground polyhalite mine, a processing facility, and a rail load-out facility. The Project would be located about 60 miles east of Carlsbad and less than 20 miles northwest of Jal, New Mexico (Figure 1). Polyhalite from the Project will be used to produce sulfate of potash (SOP). SOP is a non-chloride-based potassium fertilizer that is used in the fruit, vegetable, tobacco, and horticultural industries.

The Project requires water for both ore processing and for use at the plant facilities building. The demand for water for the Project is 6,452 acre-feet per year (ac-ft/yr) (4,000 gallons per minute [gpm]) for 50 years. Of the total water supply required for the Project, approximately 99 percent is expected to be used for ore processing; less than 1 percent will be treated to drinking water standards and provided to the plant facilities building for drinking water, showers, and other sanitation purposes. The source for the Project's water supply is the Capitan aquifer, which is a confined aquifer known to contain significant quantities of saline groundwater in New Mexico and Texas (Hiss, 1975). Saline water from the Capitan aquifer will be produced from eight groundwater wells located east of the Project, two of which were installed as part of the Project and used for aquifer testing. The first well, ICP-WS-01, was completed in February 2012, and the second well, ICP-WS-02, was completed in June 2012 approximately 1,500 feet (ft) from ICP-WS-01 (Figure 2; INTERA, 2012).

Assessment of potential impacts on groundwater and surface water bodies within and adjacent to the Capitan aquifer was required as part of the permitting process. A numerical groundwater flow model was developed to assess the potential impacts.

1.1 Approach

Assessment of potential impacts due to pumping required development of a conceptual groundwater model. The conceptual groundwater model was based on characterization of the geologic and hydrogeologic characteristics of the Permian-age Capitan aquifer associated with the Capitan Reef Complex in southeastern New Mexico and western Texas (Figure 1). Drawing on existing literature as well as geologic and geophysical data from the ICP exploratory wells, the conceptual groundwater model describes the following aspects of the Capitan aquifer:

- Geologic and hydrogeologic characteristics, including delineation of the extent of the model domain and associated flow boundaries.
- Geologic and hydrogeologic characteristics of the overlying and adjacent strata that may act as boundaries to groundwater flow.

- Groundwater recharge and discharge areas within the surface and subsurface extent of the aquifer.
- The location of existing wells and associated water levels and water quality.
- Potentially impacted waters.

The portion of the aquifer of interest for the Project extends east and south from near Carlsbad, New Mexico, to the Glass Mountains in Texas (study area, Figure 1). The conceptual groundwater model provided the basis for development of a numerical groundwater flow model of the Capitan aquifer. The numerical groundwater model provided quantification of potential impacts of pumping deep, saline groundwater from the ICP wells on existing wells and springs producing from, and surface water bodies in contact with, the aquifer in New Mexico and Texas.

The spatial extent of the conceptual model and associated numerical model is based on aquifer extent, recharge areas, and areas of potential impact (e.g., the Pecos River, adjacent aquifers, and recharge areas in New Mexico and Texas).

Due to the depth of the Capitan aquifer and the regional extent of the numerical model, data collected from deep, intermediate, and shallow aquifers and geologic formations were needed to develop a conceptual model. Fortunately, the large number of oil and gas wells in the region provided many well logs with data at the needed depths. A review of available oil and gas well logs, as well as other data sources, and the subsequent development of a database of the formation tops, were key components of delineating the hydrostratigraphic units to be included in the numeric model. In addition to the use of pre-existing data, aquifer test data from the two ICP water wells provided site-specific information on the Capitan aquifer (INTERA, 2012).

1.2 Report Structure

The report is organized as follows:

- Section 2 describes the geology of relevant formations.
- Section 3 characterizes the hydrogeology of the Capitan aquifer.
- Section 4 delineates potentially impacted waters.
- Section 5 presents the development and results of the numerical groundwater model used to assess potential impacts.
- Section 6 provides a summary and conclusions.
- Section 7 lists references cited in the report.

- Report tables and figures are included at the end of the report text following the references.
- Appendices contain supporting documentation of recharge estimates, determination of boundary condition heads, location of water wells and associated water levels (if available), and results of sensitivity analysis.

2.0 GEOLOGY

The Project is located along the northeastern margin of the Delaware Basin (Figure 3), a structural sub-basin of the large Permian Basin that dominated the region now including southeastern New Mexico, western Texas, and northern Mexico from 265 to 230 million years ago. The Permian Basin is an asymmetrical depression formed on top of Precambrian basement rocks. Marine sediments accumulated in the basin throughout the Paleozoic Era. The slow collision of the North American and South American crustal plates resulted in tectonic subdivision of the Permian Basin into numerous sub-basins, of which the Delaware and Midland basins are the largest (Ward et al., 1986).

The Delaware Basin was an area of subsidence, resulting in deposition of a thick sequence of marine rocks; the study area is underlain by almost 12,000 ft of Permian-age deposits (Figures 3 and 4). The basin is bounded on the west by the Diablo Platform, on the north by the Northwest Shelf, and on the east by the Central Basin Platform (Figure 3). The Capitan aquifer was formed by the youngest of the Permian shelf-margin complexes developed around the Delaware Basin (Harris and Saller, 1999). Hiss (1975) describes the Capitan aquifer as a "lithosome that includes the Capitan and Goat Seep formations and most or all of the Carlsbad (carbonate) facies of the Artesia Group" from northern Pecos County, Texas, around to the Guadalupe Mountains and the Gilliam and Word formations in southern Pecos County (Glass Mountains) (Armstrong and McMillion, 1961; Hill, 1996). Some of the upper part of the San Andres Limestone, equivalent to the Vidrio Limestone Member of the Word formation in the Glass Mountains (Armstrong and McMillion, 1961; Hill, 1996), is included in the Capitan aquifer when it cannot be distinguished from the Goat Seep Limestone or the Carlsbad facies of the Artesia Group (Hiss, 1975).

The Permian shelf-margin complex is variously referred to in the literature as the "Permian reef complex," "Guadalupe reef complex," "Guadalupian reef complex," "Capitan reef complex," or simply the "reef complex." The Texas Water Development Board (TWDB) uses the term Capitan Reef Complex (TWDB, 2009) and equates the Capitan aquifer with the formations that comprise the Capitan Reef Complex. This usage of Capitan Reef Complex and Capitan aquifer is adopted in this report for consistency with the TWDB study; however, the usage is not necessarily consistent with earlier publications and reports on the Capitan aquifer and/or the reef complex. For instance, Hill (1996) suggests that Capitan Reef Complex is preferable to Permian Reef Complex when discussing the Capitan Formation and time-related basin and back-reef formations due to the occurrence of reef complexes other than the Capitan such as the Goat Seep reef, which is included in the Capitan aquifer as defined by Hiss (1975), and the Capitan Reef Complex as defined by the TWDB (2009).

The Capitan Reef Complex is a horseshoe-shaped limestone, dolomite, and sandstone deposit surrounding the Delaware Basin (Figure 3). The complex extends over approximately 200 miles in southeastern New Mexico and western Texas. Geologic formation names vary somewhat from west to east, but the overall structure of the reef complex (i.e., the basin, slope, reef, back-reef, and shelf facies) is consistent throughout. The full depositional history and the development of the structure of the Delaware Basin have been discussed in great detail elsewhere (e.g., Bjorklund and Motts, 1959; Ward et al., 1986; Hill, 1996).

Older Permian deposits (San Andres, Yeso, Abo, and Hueco formations) consist of approximately 4,000 ft of mostly fine-grained sandstones, siltstones, shales, and various types of limestone deposited before the Capitan Reef Complex was deposited and the Delaware Basin was formed (Hill, 1996) (Figures 4 and 5). The Permian-age Delaware Basin deposits in southeastern New Mexico are divided into the Guadalupian and the Ochoan series. The Guadalupian series consists primarily of sandstones that comprise the Delaware Mountain Group (Ward et al., 1986; Hill, 1996). The Ochoan series comprises, from oldest to youngest, the Castile Formation, the Salado Formation, the Rustler Formation, and the Dewey Lake red beds (Bachman, 1983). The Castile Formation is composed primarily of anhydrite and gypsum and rests unconformably on the upper member of the Bell Canyon Formation, the youngest sequence of the Delaware Mountain Group (Hill, 1996). The Salado Formation consists primarily of halite and interfingers laterally with the underlying Castile Formation (Lowenstein, 1988). The Rustler Formation is composed of anhydrite, halite, and two carbonate beds (Hill, 1996). The Dewey Lake red beds conformably overlie the Rustler Formation and consist of red siltstone, sandstone, and shale (Hill, 1996).

Oil and gas reserves exist within the Guadalupian series formations. Ward et al. (1986) describe the setting under which the oil resides, as follows:

> Oil discovered in Guadalupian strata is found primarily at the boundary between up-dip evaporites and the associated shelf dolomites and/or clean siltstones to fine-grained sandstones. The primary lateral and overlying seals are porosity and hydraulic conductivity barriers formed by the precipitation of evaporites in the pores of the originally porous dolomites and sandstones. The occlusion of porosity by evaporites is not only important in forming primary seals, but can also cause great variations in the amount of porosity in structures and within producing fields. Especially noticeable within the productive limits of some fields producing from the Grayburg and San Andres Formations are areas covering three or four sections that are nonproductive due to the loss of porosity by evaporate plugging. A notable rise in water saturation normally accompanies the loss of porosity infilled by evaporite, and well-test results become erratic, with water occurring above oil or oil occurring above gas (hydrodynamic effects).

The following subsections describe the stratigraphy of the study area, beginning with the youngest formations.

2.1 Quaternary Alluvium

Quaternary alluvial deposits exist throughout Lea County, though the saturated thickness of the alluvium is only sufficient in a few places to provide a significant water source (Bjorklund and Motts, 1959; Hill, 1996). The amount and characteristics of the water stored in the alluvial aquifer are difficult to determine because the aquifer is not continuous, and in most areas, the extent of saturated alluvium is quite small (Hill, 1996; Barroll et al., 2004).

Alluvial gravel, sand, and silt deposited by the Pecos River and its tributaries underlie much of the Carlsbad area (Barroll et al., 2004). Below the alluvium, deposits of gypsum, red silt, and clay are interbedded in places with thin lenses of gravel. The red silt and clay are not alluvium but rather a residue of Ochoan series soluble salts and gypsum that were removed by solution (Bjorklund and Motts, 1959; Mercer, 1983).

In the Glass Mountains, alluvial deposits washed down from the mountains cover the pediments (Hill, 1996). These deposits range from less than several feet to over 300 ft and are largely derived from carbonate rock cemented by caliche (Hill, 1996).

2.2 Upper Triassic Rocks

2.2.1 Dockum Group Undivided

The Dockum Group of the Delaware Basin is of Late Triassic age and, in the Project area, exists as an erosional wedge that pinches out westward along a north-south line through the middle of the Waste Isolation Pilot Plant (WIPP) site (Beauheim and Holt, 1990). The Dockum Group sediments represent a terrestrial floodplain, alluvial-fan deposit composed of deltaic, fluvial sandstone and mudstone irregularly distributed over much of the Project area (Hill, 1996). The uppermost unit of the Dockum Group is a dominantly shaly mudstone interspersed with greenish-grey mudstone and lenses of sandstone as conglomerate (Mercer, 1983). The lower unit consists of a medium- to coarse-grained sandstone and conglomerate with interbedded siltstone and silty claystone (Mercer, 1983; Hill, 1996). The sandstones are generally poorly sorted, vary from fine to very coarse grained, and are not well cemented (Adams, 1929; Hill, 1996). The formation thickness varies from 10 to 26 ft at the WIPP site (Hill, 1996) to 230 ft approximately 10 miles east of WIPP (Anderson, 1981).

2.3 Ochoan Series

2.3.1 Dewey Lake Red Beds

The Dewey Lake Formation is unconformably overlain by the Dockum Group (Mercer, 1983). The deposits consist of red siltstone, sandstone, and shale, and contain no evaporates (Bjorklund and Motts, 1959). The Dewey Lake Formation ranges in thickness from 345 to 541 ft at the WIPP site (Mercer, 1983).

2.3.2 Rustler Formation

The Rustler Formation, which lies beneath a conformable contact with the Dewey Lake Formation, is the youngest unit in the Ochoan evaporite sequence (Mercer, 1983). The Rustler Formation has a varying lithology, consisting of interbedded sulfates, carbonates, clastics, and halite (Beauheim and Holt, 1990). The Rustler has been divided into five formal members, which are, from oldest to youngest, the Los Medaños, Culebra, Tamarisk, Magenta, and Forty-Niner members. The Los Medaños Member consists of siliciclastics, halitic mudstones, muddy halite, and sulfate minerals, principally anhydrite (Powers and Holt, 1999). The Culebra consists of a microcrystalline dolomite that contains spherical cavities that range from 2 to 20 millimeters in diameter (Mercer, 1983). The Tamarisk comprises three units: a lower basal anhydrite that contains polyhalite, a middle halite-rich mudstone, and an upper anhydrite. The polyhalite targeted by ICP for mining is in the Tamarisk Member. The Magenta Member is predominantly a silty dolomite and anhydrite, altered in places to gypsum (Mercer, 1983). The Forty-Niner Member comprises a lower and an upper anhydrite with a middle siltstone. The middle siltstone shows lateral facies changes between mudflat deposits and halite-pan deposits (Holt and Powers, 2010).

The Rustler thickness is highly variable due to solution of anhydrite by groundwater, which has resulted in residues of gypsum and brick-red silt interbedded with dolomite (Bjorklund and Motts, 1959; Hill, 1996). In the Malaga Bend area of the Pecos River (Figure 3) south of Carlsbad and in some areas of Nash Draw, extensive dissolution and erosion of the halite and anhydrite beds has occurred. The Rustler is more than 390 ft thick in eastern Eddy County and thickens to 650 ft in the southern part of the basin (Hill, 1996). Farther west, the Rustler Formation is missing due to erosion by the Pecos River (Hiss, 1975).

2.3.3 Salado Formation

The Salado Formation is part of the Late Permian Ochoan series of west Texas and southeastern New Mexico and consists of generally flat-lying beds composed of halite, muddy halite, anhydrite, polyhalite, dolostone, and mudstone (Lowenstein, 1988). Although it can be as much as 2,300 ft thick (Figure 6) (Lowenstein, 1988), the Salado has disappeared along the western margin of the basin where the reef has been uplifted and the Pecos River has cut down to the reef

complex. Potassium minerals in the Salado Formation are interbedded within the anhydrite and halite stratigraphic units.

A red silt and clay layer occurs at the contact of the Salado and the overlying Rustler Formation (Bjorklund and Motts, 1959; Bachman, 1983). Composed of clay with interlayered seams of gypsum and sandstone, this layer exists between the Salado and the Rustler in Nash Draw and represents residuum from the dissolution of clayey halite and other evaporites in the upper Salado (Mercer, 1983). The thickness of the residuum is variable.

Dissolution of the Salado adjacent to the Capitan aquifer has led to formation of sinks and collapsed breccias (Figure 7) (Hill, 1996). In these areas, the Salado has been reduced in thickness resulting in solution and slumping of the overlying Rustler (Hill, 1996). The deeper depressions are filled with more than 1,180 ft of Cenozoic sediments.

2.3.4 Castile Formation

The Castile Formation represents the oldest evaporite cycle of the Ochoan series in the Delaware Basin. Bachman (1983) describes the Castile Formation as follows:

> Anhydrite is the dominant rock type in the Castile Formation. Halite is present in the formation in the subsurface, but is much less prominent than the halite in the overlying Salado Formation. Limestone interlaminated in anhydrite, thin beds of limestone, and minor amounts of dolomite and magnesite are also constituents of the Castile.

Although the anhydrite and gypsum in the Castile Formation are usually thinly laminated, massive beds of these rock types are present in places in the upper part of the formation (Bachman, 1983). The Castile Formation interfingers with the Capitan Formation (Bjorklund and Motts, 1959), with the slope carbonates thinning and basinal siliciclastics thickening towards the basin (Harris and Saller, 1999).

The thickness of the Castile Formation ranges from about 1,500 to 1,700 ft, reaching 2,100 ft locally in north-central Loving County, Texas (Figure 8). Thicknesses of approximately 1,700 ft have been reported in Winkler County, Texas (Garza and Wesselman, 1959), and of approximately 900 ft in the region overlying the Capitan Reef Complex in Pecos County, Texas (Armstrong and McMillion, 1961).

2.4 Guadalupian Series

The rock units of the Guadalupian series of Permian age are characterized by four major facies: (l) basin facies consisting of quartzose sandstone interbedded with limestone, deposited seaward from the Guadalupe reef complex; (2) reef facies of massive limestone; (3) carbonate shelf facies

of carbonate rocks interbedded with sandstone, deposited landward from the Guadalupe reef complex; and (4) evaporite shelf facies of gypsum in back-reef waters, and anhydrite and other evaporite rocks interbedded with red sandstone and shale, all of which were laid down in back-reef waters (Bjorklund and Motts, 1959) (Figure 5).

2.4.1 Basin Facies

The Delaware Mountain Group represents the Guadalupian basin facies. Hiss (1975) reports:

> The basin facies consists of a thick sequence of well-bedded terrigenous sandstones and siltstones interbedded with thin but areally widespread, laminated, dark-lime mudstones. The dark laminated lime mudstones grade shoreward into the lighter-colored, coarsely lithoclastic lime wackestones of the forereef facies. The coarse carbonate detritus was probably transported into the basin through submarine canyons as subaqueous slides, mudflows, or turbidity flows, whereas the fine silt or clay-sized carbonate particles were carried away from the shelf and shelf margin in suspension. Additional carbonate detritus entered the basin as blocks or avalanches spalling off or sliding down and away from an overly steep reef foreslope.

The submarine canyons were the source for a series of basinward-trending, deep-sea channels which extend for many tens of kilometers into the basin. Hill (1996) estimated that more than 90 percent of the sand and silt found in the Delaware Mountain Group was brought into the basin along these sandstone channels, and that less than 10 percent of the siliciclastics were transported into the basin as spillover, eolian, or debris-fan material. The deep sandstone channels are separated by laminated siltstone deposits (Hill, 1996). After channel cutting was finished, the channels filled with sand. Following sand deposition, the finer-grained silt particles settled out of suspension over the sand-filled channels and the interchannel areas. The channel deposits, built up in time over the basin, were meandering and braided, but were oriented in a roughly linear, northeast-southwest direction (Hill, 1996).

Submarine fans developed in the deep seas at the mouths of the submarine canyons and gradually coalesced to form a compound submarine apron or bajada. The thickness of the deep-sea fans and component sediment grain size both decrease seaward (Hiss, 1975).

In the Guadalupe Mountains, the Delaware Mountain Group is 2,700 to 3,475 ft thick, and is divided into approximately equal thirds by the Bell Canyon, Cherry Canyon, and Brushy Canyon formations (Figures 4 and 5). The Bell Canyon is equivalent to the Capitan Formation and the Tansill, Yates, and Seven Rivers formations of the Artesia Group; the Cherry Canyon and Brushy Canyon are equivalent to the Goat Seep Limestone and the Queen and Grayburg formations of the Artesia Group (Hill, 1996).

The Bell Canyon Formation is the upper formation of the Delaware Mountain Group and varies in thickness from about 650 to 980 ft (Hill, 1996). Lithologically similar to the Cherry Canyon, it consists of very thick sandstones, alternating with thinner limestone layers and rather hard shales. The sandstone beds of the Bell Canyon Formation, like those of the Cherry Canyon, are extremely fine grained. Aside from the occasional, persistent limestone members, the sandstones contain few or no calcareous beds or lenses, and there are no interbedded black, shaly layers of the sort found in the Cherry Canyon Formation beneath (King, 1948). The carbonate members of the Bell Canyon interfinger with unnamed sandstone units along the margin of the basin. The sandstone units thin basinward (Hill, 1996). Four limestone members are distinguished in the Bell Canyon Formation: the Hegler, Pinery, Rader, and McCombs members. These are closely spaced in the lower fourth of the unit, and are separated by several hundred feet of sandstone from the Lamar Member, which lies near the top of the Bell Canyon (King, 1948; Hill, 1996). The Lamar is the only member that is continuous across the basin and has a uniform thickness of 25 ft across the basin.

The Cherry Canyon Formation is the middle formation of the Delaware Mountain Group. It consists of brownish, rather bituminous shales, with limestones and some sandstones (King, 1948). The Cherry Canyon exhibits cyclic sedimentation (Hill, 1996). The sandstones of the Cherry Canyon Formation consist of beds a few inches thick, with occasional thicker layers and layers of hard, platy, shaly sandstone. The sand grains are so fine that they cannot ordinarily be distinguished by the unaided eye. The limestone beds in most of the Cherry Canyon Formation are lenticular, consisting in places of solid limestone members 100 ft or more thick, and in places of thin limestone beds interbedded with thicker layers of sandstone (King, 1948). The Cherry Canyon differs from the Brushy Canyon in that it contains tongues of limestone which can be traced or correlated with reef and shelf rocks (Hill, 1996). Siliciclastics of the deep basin gradually thin towards the margins of the basin as limestone members gradually thicken and merge with the forereef beds of the Goat Seep Dolomite (Hill, 1996).

The Brushy Canyon Formation consists largely of sandstone. The massive beds that form the most conspicuous parts of the formation consist of buff or yellowish, medium-grained, friable sandstone (King, 1948). Hill (1996) describes the sandstone as thick-bedded, lenticular, very fine to fine-grained sandstone with some medium-grained sands. The Brushy Canyon also contains minor amounts of interbedded dark limestone and local conglomerate and dark shale in its basal part (Hill, 1996). Up to 1,300 ft thick in the basin near the Guadalupe Mountains, the Brushy Canyon can reach a thickness of up to 1,640 ft elsewhere in the basin (Hill, 1996).

2.4.2 Shelf Carbonate and Evaporite Facies

The shelf facies include the Artesia Group and the San Andres Formation. The Artesia Group underlies the Salado Formation (Ochoan series) and consists of the Tansill, Yates, Seven Rivers, Queen, Grayburg, and San Andres formations (Figure 5). Ward et al. (1986) describe the shelf dolomites as burrowed dolomites capped by algal-laminated anhydritic dolomites. Interbedded quartz siltstones and sandstones are more common landward; also, the shelf facies may locally contain pelletal packstones and grapestone grainstones, suggesting a high-energy shoreline. The carbonate facies consists of interbedded limestone, dolomite, and sandstone, with a predominance of carbonate rocks (Bjorklund and Motts, 1959). Laterally, these change in a landward direction from lagoonal dolomites to a mixture of carbonates, evaporites, and quartz siltstones (Ward et al., 1986).

The carbonate facies changes abruptly, within about 500 to 650 ft, into an evaporate facies at different stratigraphic intervals, depending on the age of the rocks (Bjorklund and Motts, 1959; Ward et al., 1986). The evaporite facies consists predominately of interbedded gypsum and anhydrite with beds of siltstone and sandstone (Bjorklund and Motts, 1959). The carbonate-evaporite facies contact is found farther updip with deeper formations. For instance, along the western edge of the Central Basin Plateau, evaporites of the Queen Formation occur 12 to 16 miles shelfward from the Capitan Formation, while evaporites of the Yates Formation occur approximately 8 miles behind the Capitan Formation (Ward et al., 1986; Hiss, 1975). Hill (1996) shows the thickness of the carbonate facies ranging in width from 6 to 12 miles. Hiss (1975) reports the average thickness of the Artesia Group within the northern part of the project area is approximately 1,500 ft and thins to a thickness of about 1,000 ft on the southern end of the Central Basin Platform.

Shelf dolomites and siltstones contain higher average porosities than shelf-marginal or basin strata and account for most of the hydrocarbon production from the Permian Basin. Most of the subsurface porosity occurs as intercrystalline and moldic pores in the dolomites and as preserved primary pores in the siltstones (Ward et al., 1986). Hydrocarbon production occurs from shelf deposits of the San Andres, Grayburg, and Queen equivalents of the Goat Seep reef, as well as the Seven Rivers, Yates, and Tansill equivalents of the Capitan Formation. The locations of productive zones are directly related to the sealing of porous carbonates by the evaporites (Figure 9). The locations of hydrocarbon reservoirs can be correlated with the lateral back-reef extent of the carbonate facies of the Artesia Group members (Figures 10 to 13) (Ward et al., 1986). Anhydrite, gypsum, and halite form seals both updip and capping the significant oil fields in Guadalupian strata (Ward et al., 1986).

The Hendrick field in Winkler County, Texas, is located along the western edge of the Central Basin Platform, and is a major field that produces oil from vuggy Guadalupian reef dolomites to

immediate back-reef dolomites and siltstone (Ward et al., 1986). The field is situated structurally such that the oil-water contact extends into back-reef carbonates and siltstones. Updip, a porosity pinch-out in these siltstones forms the primary trap in the field (Figure 13) (Ward et al., 1986).

The San Andres Limestone west of Carlsbad, New Mexico, consists of two lithologies (Bjorklund and Motts, 1959; Hiss, 1975): an upper thickly bedded dolomite and a lower cherty, dolomitic limestone. In the northern portion of the structure, the carbonate facies of the San Andres Limestone is exposed west of Carlsbad and grades into the evaporite facies southwest and northeast of Roswell, New Mexico (Bjorklund and Motts, 1959). The persistent terrigenous clastics that are prevalent in the Artesia Group are absent from the San Andres Limestone, but sandstone tongues of the Cherry Canyon Formation (Delaware Mountain Group) extend into the upper part of the San Andres Limestone in many localities (Hiss, 1975).

Miller (1969) describes the San Andres formation observed in a well log for a well near Artesia, New Mexico:

> In this well, the San Andres has a thickness of 1,370 feet, not including the underlying Glorieta Formation-not considered a part of the San Andres Formation in present subsurface usage. The upper 350 feet of the San Andres in the subject well consist of tan-white, light tan, and tan, dense to very fine crystalline dolomite. The basal 1,020 feet consist of tan-white to tan-brown, dense to fine crystalline dolomite with numerous stringers of gray-brown to brown-mottled chert.

Miller (1969) further describes the reef portion of the San Andres, noting that it is not comparable in extent to the Goat Seep-Capitan barrier reef in that the San Andres reef environment represents reef growth with interspersed clean, massive, dolomitic “bank type” deposition. The San Andres reef facies is separated by a nonporous, non-permeable envelope of porcelaneous dolomite, formed from dolomitic muds that help to hydraulically seal off the San Andres reef from other formations. However, this type of seal may not be extensive (G. Lamb, personal communication).

2.4.3 Reef Facies

The Capitan and Goat Seep formations constitute the Guadalupian reef facies. The origin of the Capitan Formation “reef” has been interpreted in different ways, including as a barrier reef, a deep-water skeletal wackestone mound, a cement boundstone mound, and a linear complex of buildups (Hill, 1996). The depositional structure and texture within the reef varies depending on position within the complex. The reef facies may be divided into the “massive member” and “breccia member,” and these members may be divided further into lower, middle, and upper parts, each corresponding to a different facies (and formation) within the back-reef or inner shelf.

The breccia member is volumetrically much larger and is about three times as thick (1,250 ft) as the massive member (400 ft), based on outcrop measurements near Carlsbad. Some references conclude that the massive portions of the Capitan formed as a barrier reef based on the presence of low-energy, restricted facies on the outer shelf leeward of the reef, while other studies suggest that the outer shelf was open to marine-current energy and thus the reef did not act as a shelf-margin barrier. Together these interpretations indicate that the water depth and shelf margin position of the reef varied through time. During deposition or growth, the front of the massive reef wall was nearly vertical (80 to 90 degree slope). Below this wall was a talus pile composed of reef blocks and sediments created as the reef front prograded basinward, continually oversteepened (by the growth of organisms), fractured, and fell into the basin (Hill, 1996).

The shelf marginal sediments of the Capitan consist of an upper massive unit and an underlying, thick-bedded, foreslope facies. This margin can be divided into three informal chronostratigraphic units: (1) the lowermost unit is known as the lower Capitan, and is equivalent to the Seven Rivers shelf sediments; (2) a middle Capitan unit is equivalent to the Yates Formation; and (3) an upper Capitan unit is equivalent to the Tansill Formation. Underlying the Capitan is the Goat Seep reef margin and its shelf equivalents of the uppermost San Andres, Grayburg, and Queen formations (Ward et al., 1986).

In outcrop near Carlsbad, the Capitan Formation consists of cream-colored to very light gray massive limestone. This limestone grades into re-cemented, in part dolomitized, breccia consisting of reef fragments, calcarenite, and rounded fossils in the reef-talus deposit (Bjorklund and Motts, 1959). Outcrops are absent in the vicinity of the ICP wells, but a geological core and geophysical logs of the PDB-04 research core hole (Harris and Saller, 1999), 40 miles west of the ICP wells, document that the Capitan consists primarily of dolomite with minor amounts of limestone and siltstone; “the entire reef interval (massive and slope facies) in the core is pervasively dolomitized, unlike in the Guadalupe Mountains where the Capitan Formation is predominantly limestone” and “anhydrite and gypsum fill pore spaces throughout the Capitan Formation and slope facies” (Harris, 2011). The upper 400 ft of the Capitan Formation (massive facies) in the PDB-04 core has a porosity of 5 to 25 percent (average 10 percent) and hydraulic conductivity of up to 4.86 ft/day (average 0.62 ft/day), whereas the lower Capitan Formation (slope talus) is less porous (less than 5 percent) and less permeable (less than 0.00243 ft/day).

The Goat Seep Formation limestone underlies the Capitan Formation and is time equivalent with the Cherry Canyon Formation of the Delaware Mountain Group and also with the San Andres Limestone. The Goat Seep is a reef that formed during rapid subsidence of the Delaware Basin resulting in predominantly upward growth of the reef, as contrasted with the outward and upward growth of the Capitan Formation reef (Bjorklund and Motts, 1959). The stratigraphic

relationships depicted in the geologic literature suggest there is no lithologic or hydrogeologic separation between the top of the Goat Seep and the base of the Capitan (Hill, 1996).

Matrix porosities in the reef facies and upper forereef are low on outcrop, but localized fracturing and solution hydraulic conductivity can be significant. Original porosities were reduced during deposition by marine cementation and internal sediment. Diagenesis varies in strata topographically lower on the forereef slope; lower forereef talus contains less marine cement and is partly dolomitized, and limestones at the toe of the forereef slope are compacted and partly silicified (Ward et al., 1986).

In the study area, the Capitan Reef Complex extends from the Guadalupe Mountains and Glass Mountains down to a depth of more than 5,000 ft below ground surface (Hiss, 1975). Logs from oil, gas, and water wells were used to define the stratigraphy of the reef and associated formations (Hiss, 1975; Harris and Saller, 1999) (Figures 14 to 21). These cross sections form the basis for our understanding of the Capitan Reef Complex, adjacent formations, and the Capitan aquifer. Due to the importance of these cross sections and because numerous oil wells have been completed and logged since the analysis conducted by Hiss (1975), five of Hiss's cross sections (Hiss Sections B-F, Figures 15-19) were re-evaluated by an independent geologist (Garland Lamb) (Lamb Sections B-F, Figures 15-19). The result of this evaluation confirmed Hiss's geologic interpretation. Thus, Hiss's model of the Capitan Reef Complex was adopted as representative of the Capitan Reef Complex and Capitan aquifer.

The Capitan reef was incised locally by submarine canyons that extended into the back shelf (Figure 22). Hiss (1975) states:

> The margins of the Delaware basin were incised by numerous submarine canyons, contemporary in age to the shelf, shelf-margin, and basin facies. Much of the sediment in the Delaware basin was transported through canyons that extended (several miles) back onto the shelf. No one has located a completely exposed submarine canyon in the field. The exact nature of the material filling the canyons on the shelf margin remains unknown. The geometry and lithology interpreted from studies of electrical logs suggest that the submarine canyons are almost completely filled with a mixture of carbonate debris, sandstones, and siltstones resembling the basin facies near the shelf margin but may be partly filled with Ochoan evaporites.

Hiss's map of submarine canyons shows limited data that can be used to accurately characterize the canyons. Additional well logs were obtained to more carefully evaluate the West Laguna Submarine canyon, one of the deeper canyons observed by Hiss (Figure 23). The West Laguna Canyon as proposed by Hiss (1975) was corroborated by INTERA using the additional well logs.

TWDB (2009) attempted to re-create the structure of the aquifer using Hiss's approach, but with a reduced dataset of 726 wells compared to the more than 2,000 wells use by Hiss (1975). From comparison of the aquifer thickness determined by TWDB (2009) and Hiss (1975), it was determined that the TWDB model lacked the detail of Hiss's aquifer thickness and did not accurately represent variations in thickness resulting from formation of submarine canyons and other features as depicted by Hiss (1975). As a result, the aquifer thickness model adopted for this study was that of Hiss (1975) (Figure 24). For purposes of presenting the depth to the top of the aquifer (Figure 25) and elevations of the top and bottom of the aquifer (Figures 15-19, INTERA Model), the thickness of the aquifer was added to the elevation of the base of the aquifer as determined by TWDB (2009), since Hiss (1975) does not provide a reference surface. Since the submarine canyons are conceptualized to form from the top of the aquifer downward due to erosion processes, the bottom of the aquifer is surmised to be more uniform in elevation such that estimation of the bottom of the aquifer by TWDB (2009) is considered to be reasonably accurate. It is noted that for the purposes of the numerical groundwater model (Section 5), only the aquifer thickness is needed.

Dissolution features exist on the north and east sides of the Delaware Basin (Hill, 1996) and caves and karst features are known to exist within the Capitan Formation. Cavernous porosity has been documented in drill holes into the Capitan aquifer (Hill, 1996). A 690-ft section of the reef was reported as very vuggy and cavernous (Hill, 1996). Larger dissolution features exist within or above the Capitan Formation on both the north and east sides of the basin forming dissolution troughs, sinks, and domes/breccia pipes (Anderson, 1981; Figure 7). Two theories have been proposed to account for the formation of these features: (1) the collapse of large voids, such as caves that had formed in the reef, and (2) the dissolution of overlying salt (Anderson, 1981; Hill, 1996). No wells have penetrated these structures to the depth of the Capitan Formation, thus a definitive explanation for the cause of these features is currently lacking. However, if collapse of caves in the reef were the cause, the overall reef thickness in that location would be reduced and replaced with breccia pipe debris from the overlying strata.

A linear zone of basalt dikes approximately 1.24 miles wide and 42.25 miles long intersects the Capitan Formation at the north end near the Laguna Submarine canyons (Figure 22, top) (Calzia and Hiss, 1978). Where observed in potash mines, the dikes are parallel, nearly vertical, and range from 0.39 ft to 13.8 ft wide. The dike material is very fine grained and vesicular (based on hand samples). Dikes observed in a potash mine east of the Pecos River are badly fractured and altered (Calzia and Hiss, 1978).

2.5 Leonard Series

The Victorio Peak grey member and the black limestone beds of the Bone Spring Formation underlie the Guadalupe series (Figure 4). The Bone Spring is composed almost entirely of limestone beds, as contrasted with the dominantly sandy strata of the Delaware Mountain Group that overlies it (King, 1948). Based on outcrop studies, King states:

> In the Delaware Mountains, and extending as far north as Bone Canyon, the exposed parts of the formation are black, cherty limestone in thin beds, with partings and a few members of shaly limestone and siliceous shale. North of Bone Canyon in the Guadalupe Mountains, the upper part of the black limestone is replaced by a thick-bedded gray limestone, the Victorio Peak gray member, which also forms the capping stratum of the Sierra Diablo. Between the main mass of limestones and the sandstones of the Delaware Mountain group is a small thickness of interbedded limestone and shale, which forms the Cutoff shaly member and its probable equivalents.

3.0 HYDROGEOLOGY

Based on the geology of the study area as described in Section 2, the aquifers that could be impacted by pumping from the proposed Project wells are the Capitan aquifer and the alluvial aquifer that is in contact with the Capitan aquifer in the vicinity of Carlsbad, New Mexico.

3.1 Alluvial Aquifer

Quaternary alluvial deposits exist throughout Lea County, though the saturated thickness of the alluvium is sufficient only in a few places to provide a significant water source (Leedshill-Herkenhoff Inc. et al., 2000). The Carlsbad Area Groundwater Flow Model study (Barroll et al., 2004; Appendix A) provides an overview of the alluvial aquifer in the vicinity of Carlsbad:

> The alluvial aquifer consists of surficial deposits associated with the Pecos River and its tributaries. This aquifer connects directly to stream courses in the region and is recharged by a variety of natural and artificial sources. In the study area, the reef is primarily a subterranean structure that underlies the northern part of the alluvial aquifer. In the vicinity of the City of Carlsbad, a small part of the alluvial aquifer directly overlies the Capitan Reef aquifer and the two aquifers are in hydraulic connection. Carlsbad Springs, which have in the past discharged to the Pecos River near Carlsbad, indicate the location of this direct connection.

The Pecos River is generally considered the eastern limit of the Pecos Valley alluvium. Deposits of older alluvium exist to the east of the river, but they yield little or no water. The total thickness of the alluvium ranges from 100 to 300 ft, and the saturated thickness varies between 50 and 150 ft (Barroll et al., 2004).

3.2 Capitan Aquifer

3.2.1 Aquifer Extent

The Salado Formation is characterized by extremely low hydraulic conductivity that has been measured at between 4×10^{-2} and 4×10^{-3} ft/day using compressed-air injection in a test hole assuming a porosity of 0.001 (reported as 12 and 21 microdarcies; Mercer, 1983). Rocks of this type are considered to be essentially impermeable (Bear, 1972), which was the one of the main reasons for constructing WIPP in the Salado Formation. Other studies, based on water levels from many existing wells, revealed no hydraulic connection between rocks overlying and underlying the Salado Formation (Hunter, 1985). Thus, no vertical communication is expected between the Capitan aquifer and any overlying aquifers that may occur within the Rustler Formation, Dewey Lake Formation, and Dockum Group. Alluvial aquifers within the basin that lie above the Salado are also not in communication with the Capitan aquifer, except where the Salado has been eroded by the Pecos River in the vicinity of Carlsbad and the alluvial aquifers

are in contact with the Capitan aquifer (Figure 14). As a result, groundwater flow within the Capitan aquifer over nearly its entire extent between Carlsbad and the Glass Mountains is constrained to the associated Capitan Reef Complex formations and, to a limited extent, adjacent formations such as the San Andres.

A further constraint to flow on the basin side of the Capitan aquifer is the Castile Formation, which acts as a barrier to groundwater flow. In the halite zones of the Castile, the presence of water is restricted because the halite does not maintain primary porosity, solution channels, or open fractures (Mercer, 1983). The Delaware Mountain Group underlies the Castile Formation. Mercer (1983) states that water movement in the sandstone of the Delaware Mountain Group is probably very slow, as it is restricted by negligible hydraulic conductivity of the intervening siltstones. With the hydraulic conductivity several orders of magnitude lower than that of the Capitan aquifer, along with very low, naturally occurring hydraulic gradients, a relatively small quantity of water would be expected to flow from the Delaware Mountain Group into the Capitan aquifer under natural-gradient conditions (Mercer, 1983). Pumping from the Capitan aquifer would likely increase the hydraulic gradient, which would be expected to increase flows from the Delaware Mountain Group into the Capitan aquifer. Vertical movement across the base of the Capitan aquifer is limited by the Cherry Canyon sandstone tongue (Hill, 1996). Along the back-reef side of the aquifer, the shelf carbonates and sandstones of the Artesia Group grade into evaporites farther back reef, as previously discussed by Ward et al. (1986) (Figures 10-13). The aquifer is largely constrained by these evaporates, although in places such as the San Simon Channel and Sheffield Channel, the hydraulic conductivity and porosity are not known to be plugged by the evaporites, and there may be other areas where there is enhanced hydraulic connectivity such as near Kermit, Texas (Brackbill and Gaines, 1964).

The lateral flow exchanges between the Capitan aquifer and adjacent back-reef aquifer or Delaware Mountain Group (aquifer on Delaware Basin side of Capitan aquifer, or basin aquifer) were determined using one-dimensional MODFLOW models linked to different sections of the Capitan aquifer boundary. The details of one-dimensional models are introduced in Section 5.

3.2.2 Flow Parameters

Within the Capitan aquifer, the reef and shelf aquifers are interconnected and act as a unified flow system, with each of the various shelf units of the Artesia Group being self-contained aquifers within the composite Capitan aquifer (Hill, 1996). Near the reef, the heads in the reef and the shelf units are continuous. Farther from the reef, the continuity of hydraulic conductivity of the shelf units decreases as the carbonate units become increasingly dense and eventually grade into evaporite facies. In addition, the interbedded sandstone units restrict vertical movement of groundwater (Hill, 1996).

The Capitan aquifer exhibits variable hydraulic conductivity within the study area. Barroll et al. (2004) used an estimated hydraulic conductivity of 750 ft/day for the Capitan Formation to the west of the Pecos River in their numeric model. Hydraulic conductivity is higher in the Guadalupe Mountains and Glass Mountains due to a higher percentage of limestone resulting in formation of extensive dissolution features (Hill, 1996; Barroll et al., 2004). Within the subterranean portions of the Capitan aquifer between the upland areas, the aquifer exhibits moderate porosity and high hydraulic conductivity. In the PDB-04 well, the upper 402 ft of the reef have 5 to 25 percent porosity (average 10 percent), and hydraulic conductivity of up to 4.86 ft/day, averaging 0.622 ft/day (Harris and Saller, 1999). In comparison, the lower Capitan Formation has porosities of less than 5 percent and hydraulic conductivities of less than 0.00243 ft/day (Harris and Saller, 1999). Ward et al. (1986) note that matrix porosities in the reef facies and the upper forereef are low on outcrop, but localized fracturing and solution hydraulic conductivity can be significant. Hiss (1975) documents "breaks" encountered during drilling oil and gas wells in the northern and eastern margins of the Delaware Basin that reflect cavernous zones of high porosity and increased hydraulic conductivity resulting from dissolution of limestone and dolomite along joints and fractures. The hydraulic conductivity of the Capitan aquifer southwest of Carlsbad is extremely high due to the formation of caves and caverns resulting from groundwater dissolution of carbonate rocks (Hiss, 1975). Hydraulic conductivity measured for the Capitan aquifer ranges from 1 to 25 ft/day (Figure 26) and averages 5 ft/day (Hiss, 1975). Hydraulic conductivities of 1 to 5 ft/day are more representative for the eastern part of the Capitan aquifer (Hiss, 1975).

Transmissivity for the Capitan aquifer in the area extending east of the Pecos River at Carlsbad (around the northern and eastern margins of the Delaware Basin) to the Pecos-Brewster County boundary in Texas ranges from approximately 10,000 ft^2/day in the thicker inter-canyon sections to less than 500 ft^2/day in the vicinity of the more deeply incised submarine canyons (Hiss, 1975). According to Hiss (1975):

> The transmissivity of the Capitan aquifer in a small area near the boundary between Eddy and Lea Counties, New Mexico, in the vicinity of the deeply incised Laguna submarine canyons appears to be the lowest encountered anywhere within the project area. A representative transmissivity for this major restriction has not yet been determined. However, the general response to stresses placed on the aquifer by (1) withdrawal of water in the water fields to the east, (2) recharge by floods in the Pecos River valley, and (3) precipitation in the Guadalupe Mountains to the west, suggest that the transmissivity must be at least one and perhaps two orders of magnitude lower than the average transmissivity of the Capitan aquifer.

Relying on analysis of the response in the observation well (ICP-WS-01) during the seven-day pumping test of ICP-WS-02 (INTERA, 2012), transmissivity of the Capitan aquifer was

estimated at 7,000 ft^2/day, which is comparable to the 10,000 ft^2/day of Hiss (1975) for a similar aquifer setting. The open-hole portion of well ICP-WS-01, within the aquifer, was approximately 1,000 ft, resulting in a hydraulic conductivity of 7 ft/day. The specific storage coefficient of the Capitan aquifer ranged from 4.8×10^{-8} to 1.5×10^{-7} 1/ft based on analysis of the seven-day pumping test (INTERA, 2012). In this study, the value of 1.5×10^{-7} 1/ft was adopted in the Capitan aquifer flow model and is considered representative of specific storage for "sound rock" in the literature (HydroSOLVE, 2009).

Shelf sandstones and some shelf carbonates have good porosity and moderate hydraulic conductivity adjacent to the reef, but porosity and hydraulic conductivity of those units generally decrease with distance lagoon-ward (Harris and Saller, 1999). The hydraulic conductivity of the shelf aquifers is generally one to two orders of magnitude smaller than for the Capitan aquifer (Table 1) (Hiss, 1975).

The average hydraulic conductivity for the Artesia Group in Eddy and Lea Counties, New Mexico, and Ward and Winkler Counties, Texas, ranges from 0.01 to 0.086 ft/day (Table 1) based on rock core analyses (Hiss, 1975). The average porosity of the Artesia Group in these counties ranges from 6.7 to 8.5 percent. Average hydraulic conductivities for the Delaware Mountain Group are similar and range from 0.01 to 0.035 ft/day (Table 2). Average porosities are higher for the Delaware Mountain Group, ranging from 13.8 to 19.8 percent. Limited data for the San Andres at the north end of the Central Basin Platform, in the vicinity of the San Simon Channel, indicate hydraulic conductivity ranges from 0.17 to 0.25 ft/day, which is higher than for the San Andres at other locations around the Delaware Basin and higher than the Artesia Group (Table 3; Hiss, 1975). The zone of higher hydraulic conductivity for the San Andres coincides with groundwater exhibiting lower chloride-ion concentrations (Hiss, 1975). Together, these data indicate significantly higher hydraulic conductivity at the northern end of the Central Basin Platform compared to the hydraulic conductivities of either the Artesia Group or San Andres along the north end of the Delaware Basin or along the west side of the Central Basin Platform (Hiss, 1975). Furthermore, Hiss suggests that the higher hydraulic conductivities could also be expected at the southern end of the Central Basin Platform, in the vicinity of the Sheffield Channel (Figure 3). Moreover, a specific storage of 5×10^{-7} 1/ft was used for the San Andres Limestone based on what was used in a previous model for that flow system (Trentham et al., 2012). This value was applied in the one-dimensional groundwater flow models to determine the inflow from the back-reef and Delaware Mountain Group to the Capitan aquifer. The hydraulic conductivity of the shelf aquifers west of the Pecos River has been greatly enhanced by the leaching of soluble beds from the Chalk Bluff facies. This has led to higher hydraulic conductivity of the shelf aquifers locally that may be similar to that of the Capitan aquifer (Hiss, 1975).

3.2.3 Movement of Groundwater

Hiss (1975) discusses the variability in water quality within the aquifer and adjacent formations. The variable density of groundwater in the aquifer has the potential to induce density gradients. Two occurrences of density-driven flow may exist within the aquifer. Density-driven flow may occur at the margins of the aquifer where aquifer water is in contact with higher salinity formations such as the Salado or Delaware Mountain Group. Dissolution of salts along the margins would increase the salinity and density of water inducing downward buoyancy effects and the potential for convection cell formation. However the relative flux rates of these types of flows are expected to be much smaller than the rates of potentiometric-induced flows within the aquifer and are considered to be of little significance.

A second density effect is related to the spatial variability along the aquifer. A density gradient would be induced between groundwater with different salinity such as exists between the higher salinity groundwater at the northern end of the aquifer and the lower salinity groundwater towards the west and the south. These density gradients would be parallel (or nearly so) to the potentiometric gradients oriented primarily with the longitudinal axis of the aquifer. In this situation, converting water levels to equivalent fresh water head adequately incorporates both gradients whether they are in the same or opposite directions. As a result, density effects are either assumed negligible or are adequately taken into account through the use of equivalent fresh water heads, thus allowing for the use of a constant-density numerical flow code.

Hiss (1975) delineates three different historical flow regimes in the Capitan aquifer (Figure 27). Initially, prior to the Pecos River down-cutting into the aquifer, recharge in the Guadalupe Mountains flowed to the east and recharge from the Glass Mountains flowed north. Flow out of the Capitan aquifer and into the San Andres occurred at the San Simon channel (a.k.a. Hobbs channel) and the Sheffield channel at the northern and southern ends of the Central Basin Platform, respectively.

After the Pecos River incised into the aquifer, recharge in the Guadalupe Mountains discharged at the Pecos River, while recharge in the Glass Mountains continued to flow north. Hiss (1975) writes:

> Movement of water eastward into the Capitan aquifer from the Guadalupe Mountains toward Hobbs was decreased by the lowering of the hydraulic head along the Pecos River. At the same time, a trough in the potentiometric surface of the shelf and basin aquifers began to develop east of Carlsbad, and water began to drain into the Capitan from the surrounding sedimentary rocks.

Groundwater flowed westward to the Pecos River on the western side of the trough, and groundwater flowed eastward on the eastern side of the trough (Figure 27).

This flow regime continued until oil production began in the first half of the twentieth century. Groundwater pumping in the Capitan aquifer is conceptualized to induce flow from the adjacent back-reef aquifer (mainly San Andres formation) and Delaware Basin to the Capitan aquifer. Pumping centers near Kermit, Texas, resulted in excess of 700 ft of drawdown in the Capitan aquifer and reversed flow in the aquifer between Kermit and the northern end of the aquifer from a northerly to a southerly direction (Figure 27c). Following peak oil production in the mid-1970s, water levels began to rebound in many of the monitoring wells established by the United States Geological Survey (USGS) (e.g., South Wilson Deep Unit 1, North Custer Mountain Unit 1, Southwest Jal Unit 1) within the Capitan aquifer along the eastern side of the basin (Figure 28 and 29) (Hiss, 1975). Water levels in two USGS wells, South Wilson Deep and North Custer Mountain, show an increase of 350 ft and 412 ft, respectively, between the peak oil-production period and measurements made in late 2011. After correcting for density, the water levels for these two wells are nearly the same, indicating that the aquifer has recovered significantly. Based on the water levels for these two wells, the hydraulic gradient is 1.8×10^{-4} in a southerly direction in 2011. This compares to a hydraulic gradient of 1.0×10^{-3} to the south in late 1975. The larger hydraulic gradient of 1975 reflects the intense oil-related pumping in Texas.

The Capitan aquifer water levels also show the separation of the flow system from east to west along the northern portion of the aquifer (Figure 28). The City of Carlsbad wells show no response to the large drawdowns in the aquifer near Kermit, Texas, in the mid-1970s. The USGS well, North Cedar Hills Unit 1, located to the west near the Pecos River, shows no discernible response to the Texas drawdown and tracks very closely to the hydrograph for City of Carlsbad well 13, which is in close proximity to the Pecos River. These results demonstrate the east-west hydraulic separation of the northern portion of the aquifer.

3.2.4 Groundwater Recharge and Discharge

Recharge to the Capitan aquifer includes natural recharge from precipitation, leakage from canals, surface water, and irrigation return flow. Discharge from the Capitan aquifer includes pumping for municipal, irrigation, mining (including oil and gas industry), and stock watering. Evapotranspiration (ET) is not considered since it would occur where the aquifer was near the ground surface. Areas where the Capitan aquifer is close to the surface are also areas where recharge from precipitation occurs, and since ET has been taken into account when estimating recharge, it is not considered further.

Natural recharge to the Capitan aquifer in the study area occurs near Carlsbad and in the Glass Mountains. The Glass Mountain recharge estimates range from 824 ac-ft/yr (WBar-W, 2010) to 1,780 ac-ft/yr (Appendix B). The larger value was estimated from application of the approach used for nearby West Texas Bolsons and Igneous aquifers (TWDB, 2004) to the Glass

Mountains. Infiltrating water recharges the back-reef Gilliam Formation (equivalent to Artesia Group) and then flows into the Capitan Formation (Hill, 1996). Some of the water moves eastward before reaching Fort Stockton, with the remaining water moving northward and historically flowing into the San Simon Channel at the northeast end of the basin near Hobbs, New Mexico (Figure 27) (Hill, 1996). Using the range of estimates above, Glass Mountain recharge ranges from 13 to 28 percent of the total ICP water demand.

Recharge in the Carlsbad area occurs from the following sources (Barroll et al., 2004):

- Areal recharge on the alluvial aquifer
- Arroyo channel recharge (Hackberry Draw, Dark Canyon, and Cass Draw)
- Recharge to the Capitan aquifer in the Guadalupe Mountains

Total recharge for these sources ranged from 8,000 to 88,000 ac-ft/yr. Recharge to the alluvial aquifer was estimated at 2,000 to 8,000 ac-ft/yr, with an uncertainty of 100 percent. Recharge in the Guadalupe Mountains was estimated in the range of 8,000 to 25,000 ac-ft/yr and averaged 15,000 ac-ft/yr, with an uncertainty of 50 percent.

Other sources of recharge to the aquifer include (Barroll et al., 2004):

- Canal and lateral leakage
- On-farm return flow
- Leakage from Lake Avalon

Total leakage from these sources ranged from 32,000 to 84,000 ac-ft/yr for the 1964 to 2000 period.

Pumping in the Carlsbad area is for municipal, irrigation, and mining purposes. Total pumping for these sources ranged from 4,000 to 77,000 ac-ft/yr for the 1964 to 2000 period.

4.0 POTENTIALLY IMPACTED WATERS

Due to the confined conditions over most of the Capitan aquifer extent, the depth of the aquifer, and the high salinity associated with much of the water in the aquifer, there are few wells that produce water from the aquifer for municipal or irrigation use. The wells that are completed in the aquifer within the study area are located where the Capitan Reef Complex is shallow, and include wells in the Carlsbad area within both the Capitan aquifer and alluvial aquifers, and in the Glass Mountains (Figure 30; Appendix C). Surface water that is in hydraulic communication with the Capitan aquifer includes the Pecos River in the vicinity of Carlsbad and Carlsbad Springs. Water levels for wells near Carlsbad and farther east and south along the aquifer clearly show that there is a barrier to east-west flow at the northernmost extent of the aquifer. This barrier effectively limits or prevents east-west flow along the aquifer such that pumping from the aquifer farther south in southeastern Eddy County and across the border in Texas has virtually no impact on water levels or groundwater flow in the vicinity of Carlsbad. However, due to the heavy reliance on the Pecos River and the underlying aquifer system near Carlsbad for municipal, irrigation, and mining needs, potential impacts to groundwater and surface water in this area were further evaluated with the numeric model.

Some wells in Pecos County, Texas, and shallow stock wells in the Glass Mountains intercept Capitan aquifer water. Even though there are wells listed as “irrigation” wells, there were not any wells listed that were actively being used for irrigation. It is suspected that some or all of these wells were originally oil or gas wells that were to be abandoned and were provided to landowners as partial compensation for drilling access. Due to the depth of the wells and the salinity of the Capitan aquifer water, it is unlikely that these wells were used, or ever will be used for irrigation. Stock wells in the Glass Mountains are in a recharge zone for the aquifer and, as a result, were expected to show little if any effect from pumping centers farther north. As a result, there were no potential impacts identified in Texas or in areas other than near Carlsbad in New Mexico.

Potential impacts to groundwater in the vicinity of the Pecos River near Carlsbad, New Mexico, were based on reduced groundwater discharge to the Pecos River. An extensive and detailed evaluation of the groundwater flow system was conducted by the New Mexico Office of the State Engineer (Barroll et. al, 2004). As a result of that work, the numerical model of the flow system in that area, the Carlsbad Area Groundwater (CAGW) model, was developed to assess potential impacts. A superposition model of the CAGW model (CAGWsup) was further developed as a tool for evaluating impacts on river flows due to additional withdrawals from the aquifer in that area (Papadopulos, 2008). The CAGWsup model was used to evaluate impacts due to pumping of ICP wells. The impact evaluated was induced leakage from the Pecos River.

This leakage was compared to the overall groundwater discharge to the river estimated using the CAGW model, which averaged 41,580 ac-ft/yr for the period from 1965 through 2001 (Figure 31).

Furthermore, a simplified evaluation of impacts on back-reef and basin aquifers resulting from 50 years of pumping ICP water supply wells was conducted. The evaluation compared the amount of flow induced from the back-reef and basin aquifers to the estimated amount of water contained within the pore space of the respective hydrogeologic units. (see Section 5).

5.0 NUMERICAL GROUNDWATER MODEL

5.1 Model Overview

The Capitan aquifer was modeled as a two-dimensional confined aquifer extending from the Pecos River near Carlsbad, New Mexico, to just north of the Glass Mountains in Texas (Figure 32). Areas where the Glass Mountains crop out were not included in the area modeled since they do not represent a confined portion of the groundwater flow system and only act as a recharge zone to the deeper, confined aquifer.

The aquifer was modeled using the USGS's three-dimensional, finite-difference groundwater flow code, MODFLOW-2000 (Harbaugh et al., 2000), which is an updated version of the well-known groundwater flow code MODFLOW (McDonald and Harbaugh, 1988). Groundwater Vistas, version 6 (ESI, 2007), was used as the graphical pre-processor of model input files and the post-processor of model results.

The hydrologic impact assessment was completed using four models: a calibration model, two predictive models to evaluate pumping impacts (pumping and recovery models), and a no-action model. The no-action model was developed to simulate the no-action scenario. The calibration model represents historical flow from 1967 through 1972. The parameter calibrated in the model was hydraulic conductivity. Using the overall structure and flow parameters of the calibration model, the pumping model was used to simulate the 50 years of pumping the ICP water supply wells. The recovery model was used to evaluate rebound of groundwater levels after ICP water supply wells were shut off.

Boundary conditions applied to the basin and back-reef boundaries of the Capitan aquifer model were represented by either no-flow boundary conditions or by one-dimensional groundwater flow models. These one-dimensional models were used to determine the inflows from the back-reef and basin aquifers to the Capitan aquifer model. The approach of using the one-dimensional models to simulate groundwater flow between the Capitan aquifer and the back-reef and basin aquifers provided a simplified means for simulating flow into and out of the Capitan aquifer from the adjacent aquifers, while providing physically based boundary conditions at the boundaries of the Capitan aquifer.

5.2 Model Domain and Grid

The structure of the Capitan aquifer model was based on descriptions and characterization of the aquifer by Hiss (1975) as presented previously (Section 2.4.3; Figures 24 and 25). The four models were developed with the same grid. A uniform x-y grid was used with grid-cell spacing

of 2,000 ft by 2,000 ft. This grid spacing was considered reasonable given the scale of the aquifer (Figure 32). There were 12,732 active cells for the Capitan aquifer models.

The one-dimensional models were developed using the same grid. The grid was 1,000 ft in thickness, 1,000 ft in width, and approximately 95 miles long. The grid-cell lengths varied from 100 ft at the Capitan aquifer boundary to 500 ft at the distal end of the models. There were 1,019 active cells for the one-dimensional models. Hydraulic conductivities in the Capitan aquifer model were based on the variable thickness of the aquifer (Figures 24 and 33). Regions of the aquifer exhibiting similar thickness were designated as a single hydraulic conductivity zone. Following this approach, the model was partitioned into eight hydraulic conductivity zones (Figure 34). From analyses by Hiss (1975) and Harris and Saller (1999), the upper portion of the Capitan Formation has much higher hydraulic conductivity than the lower portion. In addition, the down-cut submarine canyons were filled in with clastics exhibiting lower hydraulic conductivity representative of the back-reef and basin formations. As a result, thicker portions of the aquifer would be expected to contain higher transmissivities, and thinner, down-cut portions would exhibit lower transmissivities, reflecting the deeper part of the Capitan Formation. In this way, the vertical variability in hydraulic conductivity of the aquifer was incorporated into transmissivities in the two-dimensional model.

The hydraulic conductivity was set at 0.17 ft/day (Table 3; the low value for rock core analysis for the San Andres aquifer was used) for the San Simon and Sheffield Channel back-reef one-dimensional models. The hydraulic conductivity was set at 0.01 ft/day (Table 2; the low value for Eddy County was used) for the one-dimensional models for the basin aquifers. The specific storage was set as 5×10^{-7} 1/ft for all one-dimensional models.

5.3 Boundary Conditions

Boundary conditions imposed on the Capitan aquifer model included:

- Specified head at the Pecos River (all models)
- Specified flux representing Glass Mountain recharge (all models)
- Either specified flux or no-flow along the lateral margins of the aquifer depending on the model (i.e., no-action, calibration, pumping, recovery)

Hydraulic head at the Pecos River was relatively constant over time, varying by approximately ±4 ft (Barroll et al., 2004; Appendix C) with no trends detected. The specified head boundary condition imposed at the Pecos River was taken as the average of water levels measured at City of Carlsbad Well 13 for 1967 through 2010 (Appendix C). The average head for this time period

was 3,140 ft amsl. If drawdown was detected at the Pecos River boundary, further analysis was conducted using the CAGWsup model (Papadopulos, 2008) (See Section 5.5).

The southernmost boundary at the Glass Mountains represented Glass Mountains recharge. Estimated recharge rates were applied to model cells along the southern model boundary with the Well Package (Harbaugh et al., 2000). Recharge flux was a constant 1,780 ac-ft/yr (Appendix B) for all models. Recharge to the aquifer from other formations adjacent to the aquifer, including the Salado, Castile, and Bone Springs formations, was assumed negligible.

Remaining boundary conditions in the no-action model (Figure 35) and calibration, pumping, and recovery models (Figure 36) were either no-flow or specified flux. In all models, the north and south sides of hydraulic conductivity zones 1 and 2 (Figure 34) were coincident with the northern and southern CAGWsup model boundaries. The northern and southern CAGWsup boundaries were assigned as no-flow boundary conditions and the same boundary reaches in the Capitan aquifer model were assigned the same boundary condition for consistency. In the no-action model, groundwater flows out of the Capitan aquifer into the San Simon and Sheffield channels. Due to water levels in the Delaware Mountain Group on the basin side of the Capitan aquifer being roughly equal to, and possibly higher than the water levels in the Capitan aquifer, it was conceptualized that groundwater does not flow into the basin aquifer during the no-action scenario. Also, since the gradient between the basin aquifer and Capitan aquifer was very low, and hydraulic conductivities in the basin aquifer were very low, it was conceptualized that groundwater flow into the Capitan aquifer from the basin aquifer was very low. Therefore a no-flow boundary condition was imposed on the basin side of the Capitan aquifer for the no-action model.

The back-reef side of hydraulic conductivity zones 3 and 6 and portions of 7 (Figure 34) were set as no-flow boundary conditions. Zone 6 and the northern portion of Zone 7 are adjacent to the Central Basin Platform. Based on Hiss (1975) and Ward et al. (1986), the back-reef hydraulic conductivity in this area is about one-tenth that of the San Simon and Sheffield channels, with the hydraulic conductivity decreasing with proximity to the Central Basin Platform due to plugging of the formation with evaporites. The back-reef section adjacent to hydraulic conductivity zone 3 was also reported to have much lower hydraulic conductivity than the adjacent San Simon channel. By assigning no-flow boundary conditions to these boundary reaches, the model becomes more conservative since flow into the Capitan aquifer is more limited in the model. The boundary between the San Simon channel and Sheffield channel was located in the Central Basin Platform, where a loss of porosity and permeability caused by the occlusion of porosity by evaporites can limit the flow within the platform (Ward et al., 1986).

Since the basin and the two back-reef aquifers act as reservoirs that are attached to the Capitan aquifer, and accurate estimates of flow rates between the Capitan aquifer and adjacent aquifers were unknown, it was not possible to impose a standard model boundary condition at the boundary of the Capitan aquifer (i.e., specified head, specified flux, head-dependent flux). In addition, due to the expansiveness of the adjacent aquifers, it was not feasible to include those aquifers directly in the model. Instead, a simplified approach was used to assign specified fluxes at the channel and basin model boundaries. The approach was based on two assumptions: flow into and out of the lateral Capitan aquifer model boundaries could be represented by four reaches that represented uniform flux across each reach, and the uniform flux for each reach could be calculated using a simplified, one-dimensional model (Figure 37). The fluxes determined from the one-dimensional model were multiplied by the length of each boundary reach to obtain the total flux. The total flux was then evenly distributed to the cells along the model boundary using the Well Package in MODFLOW-2000 (Harbaugh et al., 2000).

Initial conditions for the one-dimensional models were a uniform, static water level. The thickness of all one-dimensional models was estimated at 1,000 feet based on information from Hiss (1975) on the basin and back-reef aquifers. A standard model domain of 95 miles was used for all one-dimensional models (Figure 37). This distance was representative for the San Simon and Sheffield channels based on the location of the 0 percent porosity line along the eastern side of the Midland Basin established by Ward et al. (1986). The maximum extent of drawdown observed for the channel models was 66 miles (Figure 37) based on calibration and predictive simulations (Sections 5.4 and 5.5). The Delaware Basin is less than 100 miles across, however the maximum extent of drawdown did not exceed 16 miles for the two basin-aquifer models (Figure 37) based on predictive simulations (Section 5.5). Further details on implementation of the one-dimensional models for different Capitan aquifer models are provided below.

5.4 Model Calibration

The calibration procedure for the flow model involved both the no-action and calibration models. The no-action model was developed to provide results for a no-action simulation without any groundwater pumping. Results of the no-action model were also used as an initial condition to the predictive pumping simulation. The calibration model was the primary model used for calibration of hydraulic conductivity in the model. The procedure for calibration is provided first with further description of the individual components to follow.

<u>Calibration procedure:</u>

1. Establish initial hydraulic conductivity distribution for no-action model.

2. Run no-action model, adjusting outflows at San Simon and Sheffield channels such that heads east of the constriction zone at the north end of the model were approximately 3,140 ft above mean sea level (amsl), and heads at the southern end of the model, just north of Glass Mountains, were approximately 3200 ft amsl. The northern heads were based on the average of the heads observed in City of Carlsbad Well 13; the southern heads were based on observed heads in well TX5238301 (Figure 35).
3. The one-dimensional models were run representing the back-reef aquifers located at the San Simon and Sheffield channels, and the basin aquifer represented by the northern and southern basin-side boundary reaches (Figure 37). The one-dimensional models provided inflows from and outflows to the adjacent aquifers as a response to drawdown in the Capitan aquifer. The fluxes into the Capitan aquifer determined from the one-dimensional models for the San Simon and Sheffield channels were superposed with the outflows determined using the no-action model to obtain resultant net flux at the boundary of the Capitan aquifer model during calibration.
4. The Capitan aquifer calibration model was run by adjusting the hydraulic conductivities in the model to minimize the difference between observed and simulated heads over the 1967 through 1972 time period.
5. The no-action model was updated with the calibrated hydraulic conductivity distribution, and steps 2-4 were repeated until all desired criteria were met. The no-action model was relatively insensitive to the hydraulic conductivities in the model such that only a few complete iterations were needed to calibrate the model. The general approach outlined here is similar in nature to a bisection search (http://en.wikipedia.org/wiki/Bisection_method).

Specified head boundary conditions for the one-dimensional models were taken from head data for wells in the Capitan aquifer (Figure 28). Water levels were observed to decline at an approximately uniform rate of 18.7 ft/yr from 1967 through 1972 (Figure 28). A specified head boundary condition representing this declining water level was imposed in the back-reef and basin one-dimensional models. From inspection of the data (Figure 28), it was noted that by 1967, water levels had already dropped well below the non-impacted water level. The non-impacted water level was assumed equal to the average of observed water levels at City of Carlsbad Well 13, or 3,140 ft amsl. The fluxes obtained from applying a uniformly decreasing specified head boundary condition to the one-dimensional models varied with time. A simple approach was used to estimate the time at which pumping impacts to the aquifer commenced. The assumption was made that the slope of the drawdown occurring between 1967 and 1973 could be linearly extended backwards in time to when drawdown started. The curves from South Wilson Deep Unit 1 and Southwest Jal Unit 1 were extrapolated backwards in time until the assumed pre-impact water level of 3,140 ft amsl was intersected (Figure 38). A starting date of

1943 was determined using the midpoint from intersection of the two curves (Figure 38). This initial impact time was probably more recent than what actually occurred (Hiss, 1975), but was considered an acceptable approximation given the lack of reliable data prior to 1967. Based on a start date of 1943, and the calibration period from 1967 through 1972, fluxes used from the one-dimensional models were for years 24 through 29. Since the flow rates varied little over this time period, a constant inflow rate was used based on the average of the flows for years 24 through 29. Using the principal of superposition, the inflows from the one-dimensional models for the San Simon and Sheffield channels were added to the outflow determined with the no-action model to obtain the net inflow to or outflow from the Capitan aquifer model.

Early in the calibration simulation, outflows resulting from the no-action model were higher than the inflows calculated from the one-dimensional models such that the effect of pumping within the Capitan aquifer was to reduce outflows. Once the one-dimensional model inflows exceeded no-action outflows, the direction of net flow was into the Capitan aquifer model. For the San Simon channel, this reversal of flow occurred very soon after pumping began. For the Sheffield channel, flow never fully reversed and was always in a direction out of the Capitan aquifer model. This was largely a result of the nearby Glass Mountain recharge applied to the model.

The initial head distributions of the one-dimensional models were set to a uniform value. For the calibration model, the initial heads (Figure 39) were obtained from the interpolation of water-levels in 1967 from observation wells (Figure 28) in the Capitan aquifer.

Based on aquifer test results from ICP-WS-01 and ICP-WS-02, a value for aquifer storativity of 1.5×10^{-4} was assigned uniformly to the model (INTERA, 2012). Hydraulic conductivity was the only parameter adjusted during the calibration process. Hydraulic conductivity values for zones 2-8 were adjusted during the calibration process. Hydraulic conductivity for zone 1 near Carlsbad was held constant at 5 ft/day. This was done so that the hydraulic conductivities in the Capitan aquifer model and the CAGWsup model were the same during the two-step predictive simulation process (Section 5.5).

Calibration was conducted over the period from 1967 through 1972. During this time period, data were available for hydraulic heads and for stresses on the system (Figure 28). The stresses on the system were from pumping of water wells in well fields supplying the oil industry in Texas. The well fields were in Winkler and Ward Counties in Texas, and the water was used for secondary oil recovery. Pumping-rate data were not available for these fields; however, water level data were available (Hiss, 1975). The transient water-level data were imposed on the aquifer at the location of the well fields during the calibration period. Assuming the hydraulic conductivity and specific storage of the aquifer were chosen correctly, the specified heads using Drain Package in MODFLOW would accurately reproduce the amount of water withdrawn from

the aquifer over that time period. An initial heads distribution was required for the calibration simulation. Initial heads were taken from the interpolation of available observed hydraulic heads at wells in the aquifer (Figure 39).

Adjustments were made to the hydraulic conductivity until an optimal fit between observed and simulated heads was obtained. Calibration was performed using both manual and automated methods. Manual methods entailed adjustment of one or more parameters and testing whether there was improvement in the calibration statistics. The code PEST (Watermark Numerical Computing, 2005) was used to automatically adjust all calibration parameters until an optimal fit between simulated and observed hydraulic heads was obtained.

Calibration statistics included the mean head residual or mean error (ME), the root mean square error (RMSE), and the RMSE normalized by the range in heads observed in the aquifer. The mean head residual indicates bias in the calibration. The normalized RMSE, presented as a percentage, indicates how well the model fits relative to the distribution of heads in the system with a desired value of less than 10 to 15 percent, indicating that the model is a reasonable representation of the groundwater flow system.

The calibration statistics indicate that the model is well-calibrated (Table 4). The mean head residual of 1.17 ft indicates little bias (i.e., simulated heads are not too high or too low on average). The RMSE was 8.49 ft and the range in heads was 665.0 ft, leading to a normalized value of 1.3 percent, indicating that the model accurately reproduces the observed heads.

A good model fit is also indicated by the scatter plot of simulated versus observed hydraulic heads which plot close to the one-to-one line (Figure 40). Simulated and observed hydrographs (Figure 41) also indicate that the model reproduces the transient nature of the decreasing hydraulic head in an acceptable manner.

Hydraulic conductivities resulting from model calibration (Table 5) indicate zone 2, representing the west Laguna submarine canyon, has the lowest value, 0.005 ft/day. This was the lowest value allowed for that zone during calibration. The hydraulic conductivity was constrained to this value such that it was not allowed to decrease to an unreasonably small value and arbitrarily create a barrier to east-west flow in the aquifer, thereby minimizing potential impacts at the Pecos River. The value of 0.005 ft/day was approximately the same but slightly higher than the value suggested for the lower portion of the aquifer (0.00243 ft/day) based on analysis of PDB-04 core (Harris and Saller, 1999). Zone 5 hydraulic conductivity encompasses the ICP exploration wells, ICP-WS-01 and ICP-WS-02. The calibrated hydraulic conductivity for zone 5 was 20 ft/day (Table 5).

The resulting flow rates obtained from the drain boundary conditions that were used to represent the well-field pumping in Winkler and Ward Counties in Texas ranged from 9,729 to 17,647 ac-ft/yr during the calibration period. The average rate for the calibration period was 11,589 ac-ft/yr.

Based on the results of the no-action scenario, water levels were close to 3,140 ft at the west and east sides of the hydraulic conductivity constriction zone, resulting in essentially no eastward flow from the Capitan aquifer near the Pecos River. In the southern part of the model, especially near the Glass Mountains recharge area, the water level was close to 3,200 ft amsl, confirmed by water levels observed in observation well TX5238301 (Figure 35). Following calibration, the outflows at the San Simon and Sheffield channels were estimated at 248 ac-ft/yr and 1,532 ac-ft/yr, respectively. Recharge from the Glass Mountains remained at a constant 1,780 ac-ft/yr.

All calibration metrics indicate that the model represents the Capitan aquifer flow system in an acceptable fashion. Therefore, the model was used to predict future stresses on the flow system.

5.5 Predictive Simulations

In a similar fashion to the calibration model, flows between the Capitan aquifer and basin and back-reef aquifers were determined by the one-dimensional models. However, different from the calibration model, the characterization of decreasing water level in the Capitan aquifer due to the ICP water supply pumping was not initially known. Therefore, an optimization approach was used to determine the decreasing water-level in the Capitan aquifer and the influxes from the back-reef and basin aquifers simultaneously. Pre-development groundwater levels were used to represent the initial conditions for the predictive model. The pre-development water levels were taken from the no-action model (Figure 42). The procedure for running the predictive models is as follows (see Figure 43):

1. An initial head distribution for the one-dimensional model head boundary condition was established. Two observation wells were used for this purpose in the model: one well (A) was close to the San Simon channel, and the other well (B) was close to the Sheffield channel (Figure 36). The heads as a function of time at observation well A were used to calculate the influxes for the San Simon channel and the north reach of the basin. The heads at observation well B were used to calculate the influxes for the Sheffield channel and the southern basin reach.
2. Using the specified head boundary conditions, the one-dimensional models were run.
3. The calculated fluxes from the one-dimensional models for the San Simon and Sheffield channels were superposed with the outflows from the no-action model to determine the resultant boundary fluxes in the Capitan aquifer model. For the basin reaches, the fluxes from the one-dimensional models were applied directly to the Capitan aquifer model.

4. The predictive Capitan aquifer model was run for both the 50-year pumping period and the 500-year recovery period.
5. The new heads at the two observation wells A and B were compared with heads from the previous iteration. Comparisons were made at 1-year intervals for all 50 years for each observation well.
6. If the maximum difference for any year was less than a previously determined tolerance (0.1 ft), then convergence was achieved and the simulation stopped. If convergence was not achieved, new heads were calculated as the midpoint between current and previous values and the process looped to step 2 above.

5.5.1 Pumping Scenario

Assessment of the potential impacts due to pumping ICP wells was based on the difference of results between the no-action model and predictive (pumping) model. The initial hydraulic head distribution of the predictive model was obtained from the results of the no-action model (Figure 42). The pumping scenario represents a total pumping rate of 6,452 ac-ft/yr (4,000 gpm) for 50 years distributed evenly across the eight ICP wells. If drawdown was observed, the change in groundwater flow along the eastern boundary of the CAGWsup model was calculated (Figure 44). The location of the eastern edge of the CAGWsup model coincides closely with the narrow, low-K zone 2, which represents the location of the west Laguna submarine canyon in the Capitan aquifer model. Groundwater flow was integrated across the Capitan aquifer at that location and applied evenly along the eastern CAGWsup model boundary as a flux boundary condition using the Well Package in MODFLOW-2000 (Harbaugh et al., 2000). The CAGWsup model was then run to determine the induced leakage from the Pecos River. The leakage from the Pecos River was then compared to the amount of water discharging to the river from the aquifer in the CAGW model (Barroll et al., 2004) to determine the reduction in groundwater flow discharging to the river from the aquifer. In this way the impact of pumping of the ICP wells on the groundwater flow system at the Pecos River was evaluated.

The time-variant fluxes for each flow component of the 50-year ICP water supply pumping scenario are shown in Figure 45. Results from the CAGWsup model indicate that groundwater discharge to the Pecos River would decrease by 28.4 ac-ft/yr at the end of the 50-year ICP water supply pumping period (Figure 46) (note that the value derived in the initial step of determining impacts using the Capitan aquifer model was 53 ac-ft/yr), or 0.07 percent of the average gaining flows to the river of 41,580 ac-ft/yr for the period from 1965 through 2001 (Figure 31).

Drawdown at the end of 50 years of pumping (Figure 47) was a little more than 330 ft at the southern boundary at the Glass Mountains. Drawdown in the vicinity of the ICP wells was

approximately 650 ft. Drawdown at the location of the west Laguna submarine canyon, coincident with the eastern CAGWsup model boundary, was 200 ft. Drawdown near the Pecos River based on the CAGWsup model was 0.1 ft.

5.5.2 Recovery Scenario

After 50 years of pumping the eight ICP water supply wells, the wells were shut off in the model and the water levels in the Capitan aquifer were allowed to rebound. The initial hydraulic head distribution of the recovery model was obtained from the head distribution of the predictive model at the last stress period. The rebounding water-levels in the Capitan aquifer reduced inflows from the back-reef and basin aquifers. Similar to the 50-year predictive pumping model, an iterative approach was used to simultaneously determine the rebounding water-level in the Capitan aquifer in conjunction with inflows from the back-reef and basin aquifers using the one-dimensional models.

The recovery model was run for 500 years. At the end of 500 years, the water level near the ICP pumping wells was approximately 3,054 ft, indicating that the aquifer had rebounded to 87 percent of its original no-action level (3,140 ft) (Figure 48).

5.5.3 Impacts on Water in Back-reef Aquifers and Basin Aquifer

The ICP water-supply pumping induced groundwater flow from the back-reef aquifers and basin aquifer to the Capitan aquifer. The sum of boundary condition fluxes from the model was summed from the time pumping in the Capitan aquifer began until the Capitan aquifer recovered to steady state conditions. The influxes from the adjacent aquifers to the Capitan aquifer for the predictive simulation of 50 years of ICP water supply pumping were as follows:

- The cumulative flux through the San Simon and Sheffield channels was 87,947 acre-feet (ac-ft) over 50 years. The amount of water entering the Capitan aquifer during the 500 years after pumping ceased was a negative value, as recharge was actually driving water from the Capitan aquifer into the back-reef during most of this period. Therefore, additional induced volumes were not included in this calculation.
- The cumulative flux through the Delaware Basin was 71,963 ac-ft over 50 years of pumping. Additionally, 16,507 ac-ft were induced into the reef over 500 years after pumping ceased. The total induced flux from the Delaware Mountain Group was 88,470 ac-ft.

The volumetric calculations presented below were based on information from the literature that was used during initial construction of the model. Two different areal extents of the basin and back-reef aquifers were characterized: one was proposed by INTERA and the other was

proposed by AECOM, the U.S. Bureau of Land Management's contractor for preparing the Environmental Impact Statement for the Ochoa Project.

INTERA approach:

The areal extents of the back-reef and basin formations were based on Hiss (1975, Figure 14) and Ward (1986, Figure 8, zero-porosity line) (Figure 49). For simplicity, the line representing the Seven Rivers formation was extrapolated to the southern end of the Central Basin Platform, because the Seven Rivers' transition to an evaporite sequence was distributed near the middle compared to the rest of the Artesia Group members. Porosities for the San Andres formation and Delaware Mountain Group (basin) were 0.157 (Hiss, 1975, Table 6, average values for all counties). The porosity of the Artesia Group was 0.071 (Hiss, 1975, Table 6, averaged using an arithmetic mean. Thicknesses of both the San Andres formation and Artesia Group were 1,200 ft, while the thickness of the Delaware Mountain group was 4,000 ft (Figures 15-19).

The total amount of water in the back-reef aquifer was 3,144,377,403 ac-ft, and the total amount of water in the Delaware Mountain Group was 4,873,026,615 ac-ft. Consequently, the percentage of induced flux was only 0.003 percent from the back-reef aquifer to the Capitan aquifer, and 0.002 percent from the Delaware Mountain Group to the Capitan aquifer due to ICP well pumping.

AECOM approach:

The areal extent was provided to INTERA by AECOM for the purpose of carrying out this calculation (Figure 50). It was assumed that the extent of the Artesia Group and the San Andres formation are the same (i.e., they overlie each other in the figure). Porosities and thicknesses were the same as those used above for the Artesia Group and San Andres formation. The calculation was not done for the Delaware Mountain Group.

Based on the AECOM approach, the total amount of water in the back-reef aquifer was 1,301,088,063 ac-ft. Consequently, the percentage of induced flux was only 0.007 percent from the back-reef aquifer to the Capitan aquifer due to ICP water supply pumping.

5.6 Sensitivity Analysis

An analysis was performed to evaluate the sensitivity of the calibrated groundwater model with respect to various model input parameters and boundary conditions. The sensitivity of a model is indicated by differences in calibration residuals and/or model conclusions due to a change or perturbation of a model input parameter. Thus, a sensitivity analysis shows the importance of individual parameters to the simulation results. A detailed description of the sensitivity analysis and results are included in Appendix D of this report.

The sensitivity analysis that evaluated model sensitivity to input parameters and boundary conditions was designed and conducted in accordance with guidelines established by the American Society for Testing and Materials (ASTM, 1994). A total of 22 sensitivity analyses were evaluated (Table D.1, Appendix D). Model parameters that were varied during this portion of the sensitivity analysis included:

- Hydraulic conductivities (8 zones)
- Recharge rate (uniform)
- Specific storage (uniform)
- ICP water supply pumping rate (constant)
- Hydraulic conductivities used in the one-dimensional models (5 scenarios)
- Specific storages used in the one-dimensional models (5 scenarios)
- Thicknesses used in the one-dimensional models (constant)

Sensitivity analysis was completed to evaluate the flux rates from both the basin and back-reef aquifers by varying hydraulic conductivity (K) for each of the four, one-dimensional models both individually and collectively. First, the K of each individual one-dimensional model was varied while leaving the K value of the other models unchanged. In addition, the K values for all one-dimensional models were varied together, creating a total of five scenarios for sensitivity analysis for K in the one-dimensional models. An identical method was applied to test the specific storage (S_s).

According to ASTM (1994), there are four types of sensitivity, Types I through IV, depending on whether the changes to the calibration residuals and the model's conclusions are significant or insignificant. The four types of sensitivity are described as follows:

- Type I Sensitivity – When variation of an input causes insignificant changes in the calibration residuals as well as the model's conclusions, then that model has Type I sensitivity to the input. Type I sensitivity is of no concern because regardless of the value of the input, the conclusion will remain the same.
- Type II Sensitivity – When variation of an input causes significant changes in the calibration residuals but insignificant changes in the model's conclusions, then that model has Type II sensitivity to the input. Type II sensitivity is of no concern because regardless of the value of the input, the conclusion will remain the same.
- Type III Sensitivity – When variation of an input causes significant changes to both the calibration residuals and the model's conclusions, then that model has Type III sensitivity to the input. Type III sensitivity is of no concern because, even though the model's

conclusions change as a result of variation of the input, the parameters used in those simulations cause the model to become uncalibrated. Therefore, the calibration process eliminates those values from being considered to be realistic.

- Type IV Sensitivity – If, for some value of the input that is being varied, the model's conclusions are changed but the change in calibration residuals is insignificant, then the model has Type IV sensitivity to that input. Type IV sensitivity calls model results into question because over the range of that parameter in which the model can be considered calibrated, the conclusions of the model change. Type IV sensitivity generally indicates that additional data should be collected to decrease the range of possible values of the parameter.

Thus, the ideal outcome of the sensitivity analysis is for all results to be Type I, II, or III. All sensitivity simulations resulted in Types I, II, or III (Appendix D).

Based on the sensitivity analysis results, the parameters and boundary conditions used in the model are considered representative, and the conclusions based on model results are considered acceptable. The Pecos River leakage for a significant proportion of the simulations was in the range of 25-30 ac-ft/yr (Figure 51). The mean leakage rate was 32.4 ac-ft/yr, and the standard deviation of the data was 15.7 ac-ft/yr. The two highest leakage rates were due to the high hydraulic conductivities of zones 2 and 3. The eastern edge of the CAGWsup model is adjacent to hydraulic conductivity zone 2 in the Capitan aquifer model. Zone 3 is adjacent to zone 2 to the east. Consequently, higher hydraulic conductivities in both zones generate higher eastward flux from the Capitan aquifer model in those locations, and consequently higher leakage rates from the Pecos River as determined in the CAGWsup model.

6.0 SUMMARY AND CONCLUSIONS

ICP is developing a polyhalite mine in southeastern New Mexico and proposes to produce water from the Capitan aquifer to support mining operations for their SOP Project. The Project will require 4,000 gpm of water to be produced from the Capitan aquifer, a deep, carbonate aquifer system that extends from the Glass Mountains in western Texas to Carlsbad, New Mexico. As part of the permitting process, evaluation of potential hydrogeological impacts is required. The impact analysis included development of a conceptual groundwater model, based on geologic and hydrogeologic characteristics of the aquifer system, and a numerical flow model of the aquifer to quantify impacts. Potential impacts were assessed at the Pecos River near Carlsbad, New Mexico, where the river is in contact with the aquifer. Permitted-well use of Capitan aquifer water was not found in other locations within the aquifer system.

Four models were developed, including a no-action model, a calibration model, and two predictive models representing the ICP water supply pumping and recovery scenarios. The lateral flow exchanges between the Capitan aquifer and the adjacent back-reef aquifer or basin aquifer were determined using one-dimensional MODFLOW models linked to different sections of the Capitan aquifer boundary. Results of calibration indicated the model was representative of flow in the Capitan aquifer. To determine impacts at the Pecos River, the Capitan aquifer model was linked to the CAGWsup model. The CAGWsup model was developed with the purpose of evaluating impacts to Pecos River flows near Carlsbad, and allowed for evaluation of impacts without incorporating the complexity of the groundwater flow system near the river and Carlsbad. In addition, the impacts of ICP water supply pumping on the water in the back-reef aquifer and basin aquifer were determined based on the comparison between the sum of boundary condition fluxes for both the back-reef aquifer and basin aquifer during the pumping and recovery scenarios and the volumetric calculations of total water in both the back-reef aquifer and basin aquifer.

Results of the numerical flow model indicate that there will be very limited impact to groundwater discharging to the Pecos River near Carlsbad, New Mexico. Reduction in groundwater discharging to the Pecos River due to pumping of ICP wells was estimated at 0.07 percent. A sensitivity analysis conducted on the Capitan aquifer model established that the parameter estimates used in the model were reasonable and that the model was representative of the groundwater flow system. Impacts on the back-reef aquifer were estimated to be up to 0.007 percent of the total amount of water in the back-reef aquifer, and impacts on the basin aquifer were estimated to be up to 0.002 percent of the total amount of water in the basin aquifer. Based on these results, the conclusions of the model are considered acceptable.

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TABLES

Table 1. Hydraulic Conductivity and Porosity Information Obtained from Oil Industry Rock Core Analyses - Artesia Group

			# of Samples Analyzed	
County	**Average Hydraulic Conductivity (ft/d)**	**Average Porosity**	**Hydraulic Conductivity**	**Porosity**
Eddy	0.01	8.4	2,481	2,604
Lea	0.048	6.7	23,017	23,656
Winkler	0.014	8.5	4,777	4,998
Ward	0.086	8.0	2,102	1,921

Source: Hiss (1975)

Table 2. Hydraulic Conductivity and Porosity Information Obtained from Oil Industry Rock Core Analyses - Delaware Mountain Group

			# of Samples Analyzed	
County	**Average Hydraulic Conductivity (ft/d)**	**Average Porosity**	**Hydraulic Conductivity**	**Porosity**
Eddy	0.01	14.4	927	944
Lea	0.026	19.8	997	998
Winkler	0.035	17.8	216	217
Ward	0.012	13.8	2,227	2,262

Source: Hiss (1975)

Table 3. Hydraulic Characteristics of the Capitan and San Andres Aquifers Obtained from Rock Core and Hydraulic Tests

Formation	Rock Core Test (ft/day)	Hydraulic Test (ft/day)
Capitan	NA	8.21
San Andres	0.17	0.25

Source: Hiss (1975)

Table 4. Capitan Model Calibration Statistics

Mean Error (ft)	1.17
Residual Standard Deviation (ft)	8.41
Root Mean Squared Error (RMSE) (ft)	8.49
Minimum Residual (ft)	-24.72
Maximum Residual (ft)	36.20
Range of Observations (ft)	665.0
Normalized RMSE (-)	0.013
Number of Observations	272

Table 5. Capitan Model Hydraulic Conductivities (ft/day) following Calibration

Zone 1*	5
Zone 2	0.005
Zone 3	0.16
Zone 4	3.1
Zone 5	20
Zone 6	6.9
Zone 7	7.7
Zone 8	20

* Zone 1 hydraulic conductivity not calibrated.

FIGURES

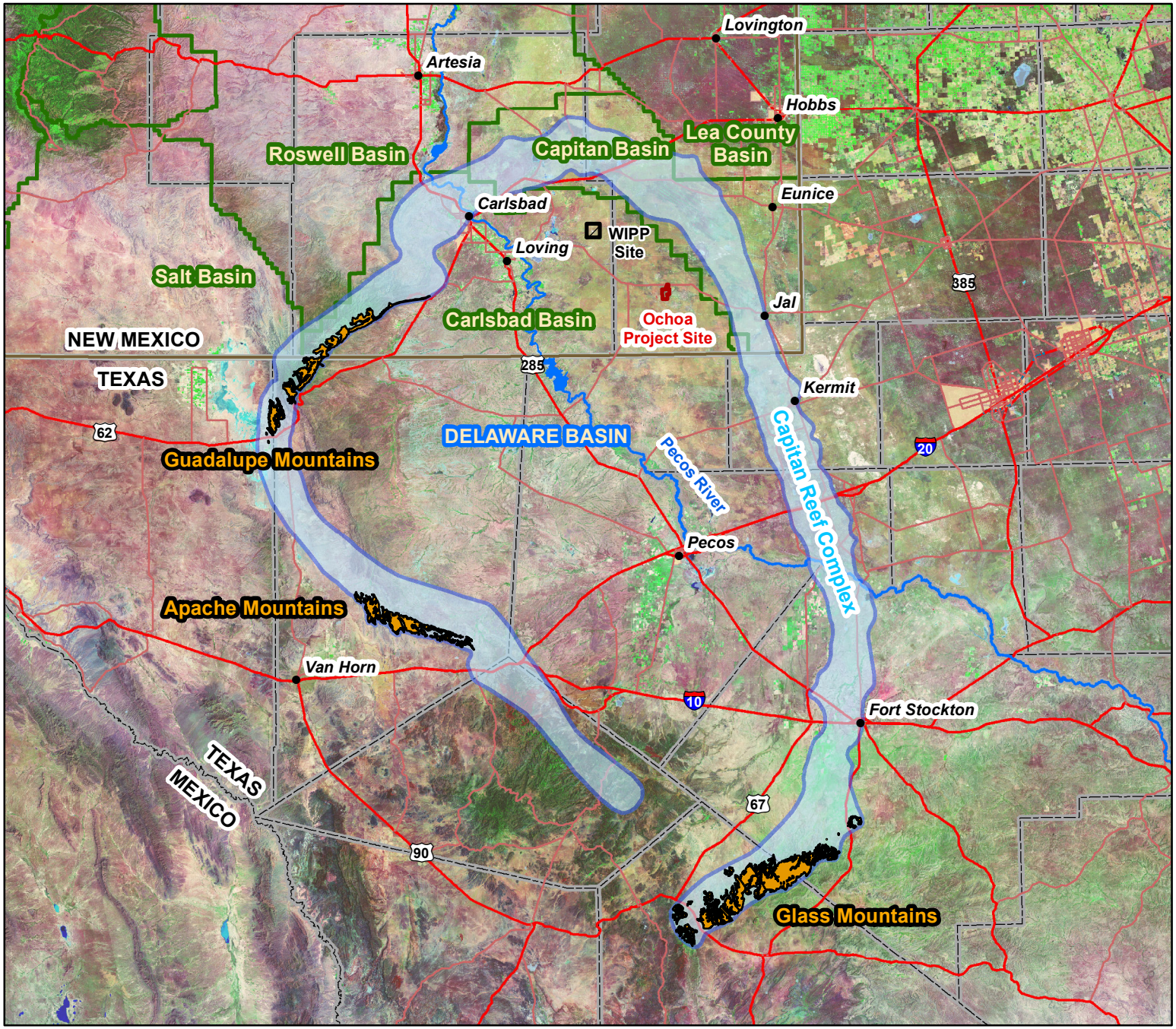

Figure 1
Location of the Capitan Reef Complex
Ochoa Mine Hydrogeologic Impact Assessment

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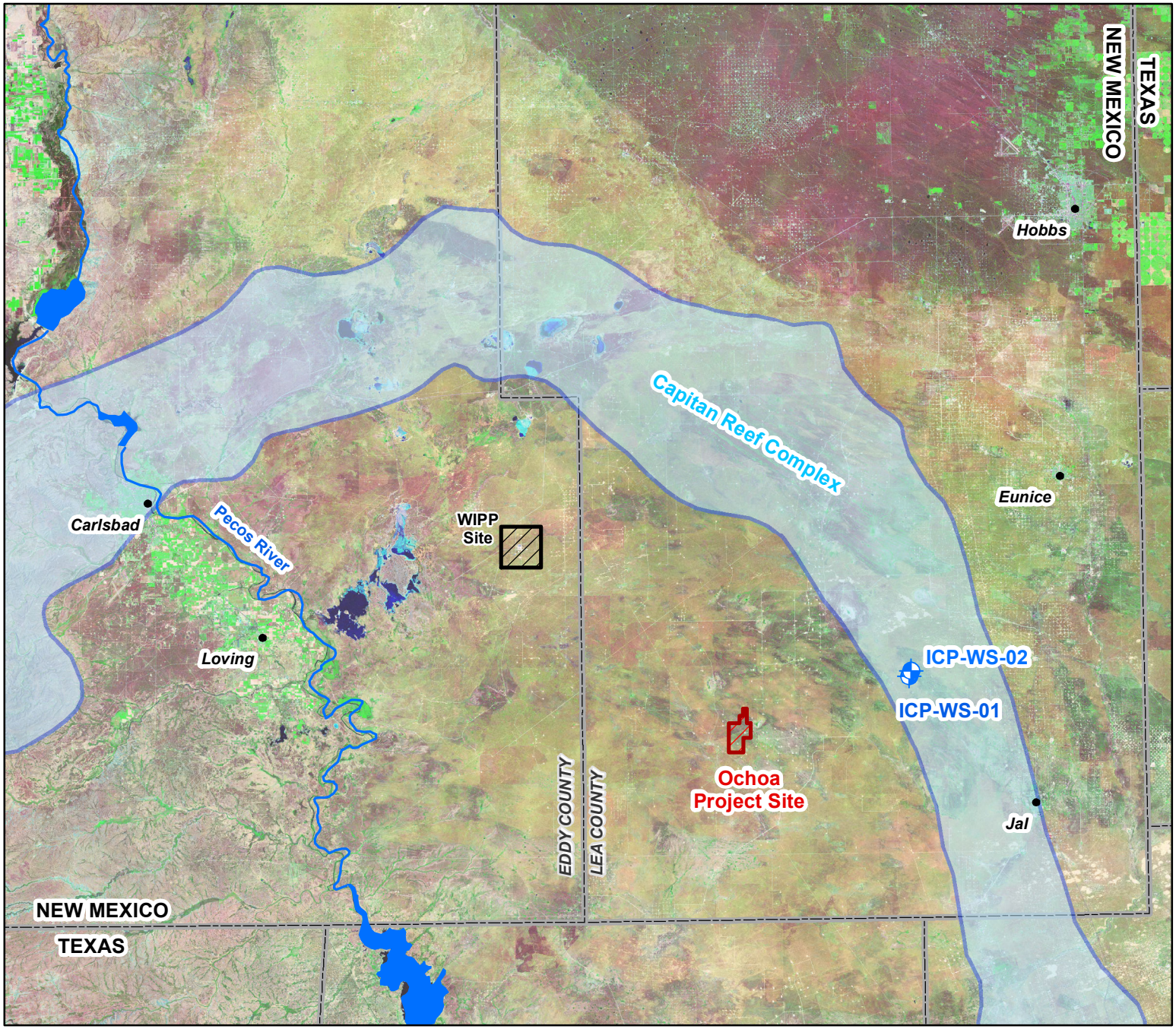

N

10 5 0 10
Miles

Legend

- Existing ICP Wells
- Ochoa Project Site
- Capitan Reef Complex (TWDB, 2009)

Figure 2
Location of ICP Exploration Wells
Ochoa Mine Hydrogeologic Impact Assessment

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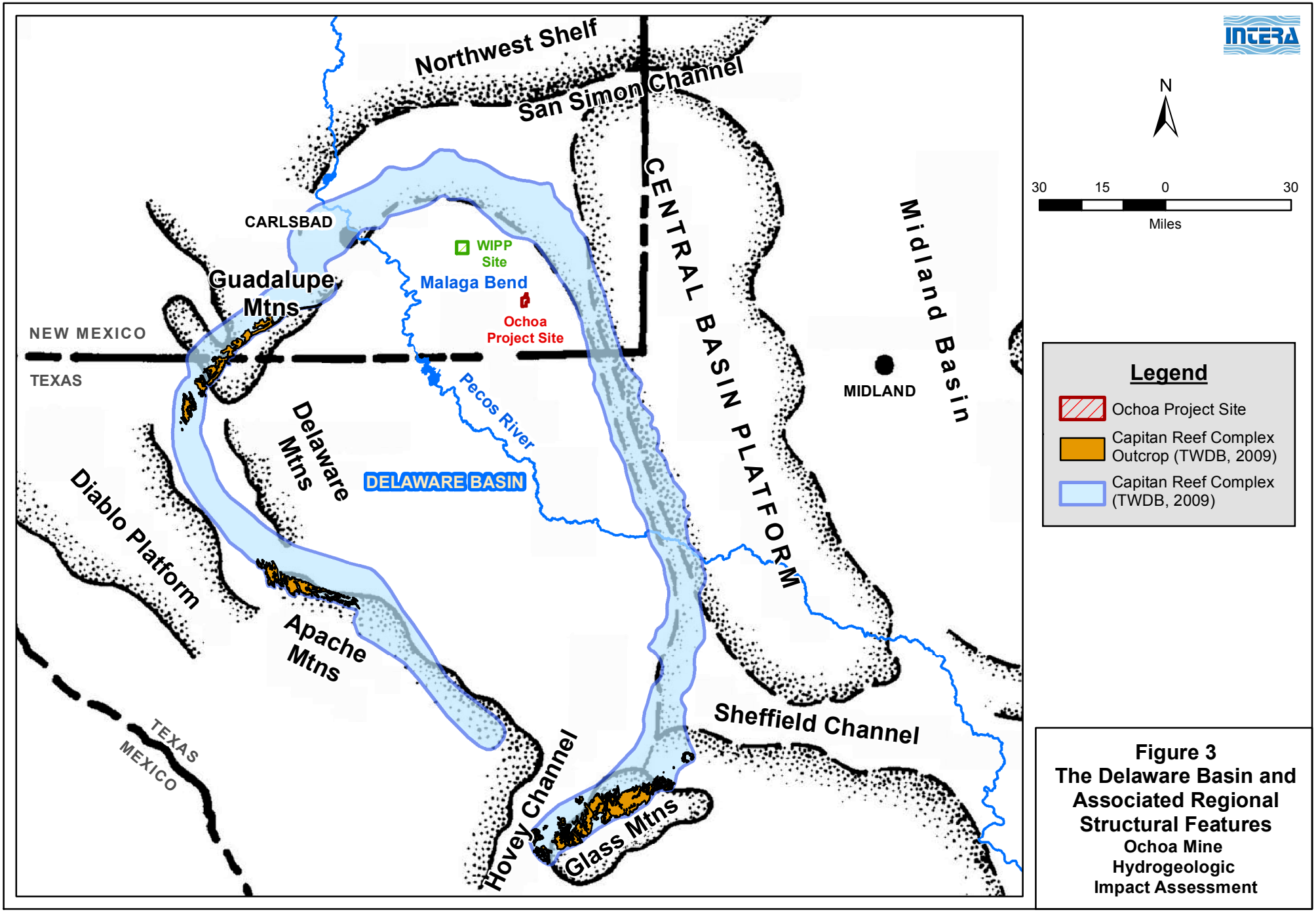

Figure 3
The Delaware Basin and Associated Regional Structural Features
Ochoa Mine Hydrogeologic Impact Assessment

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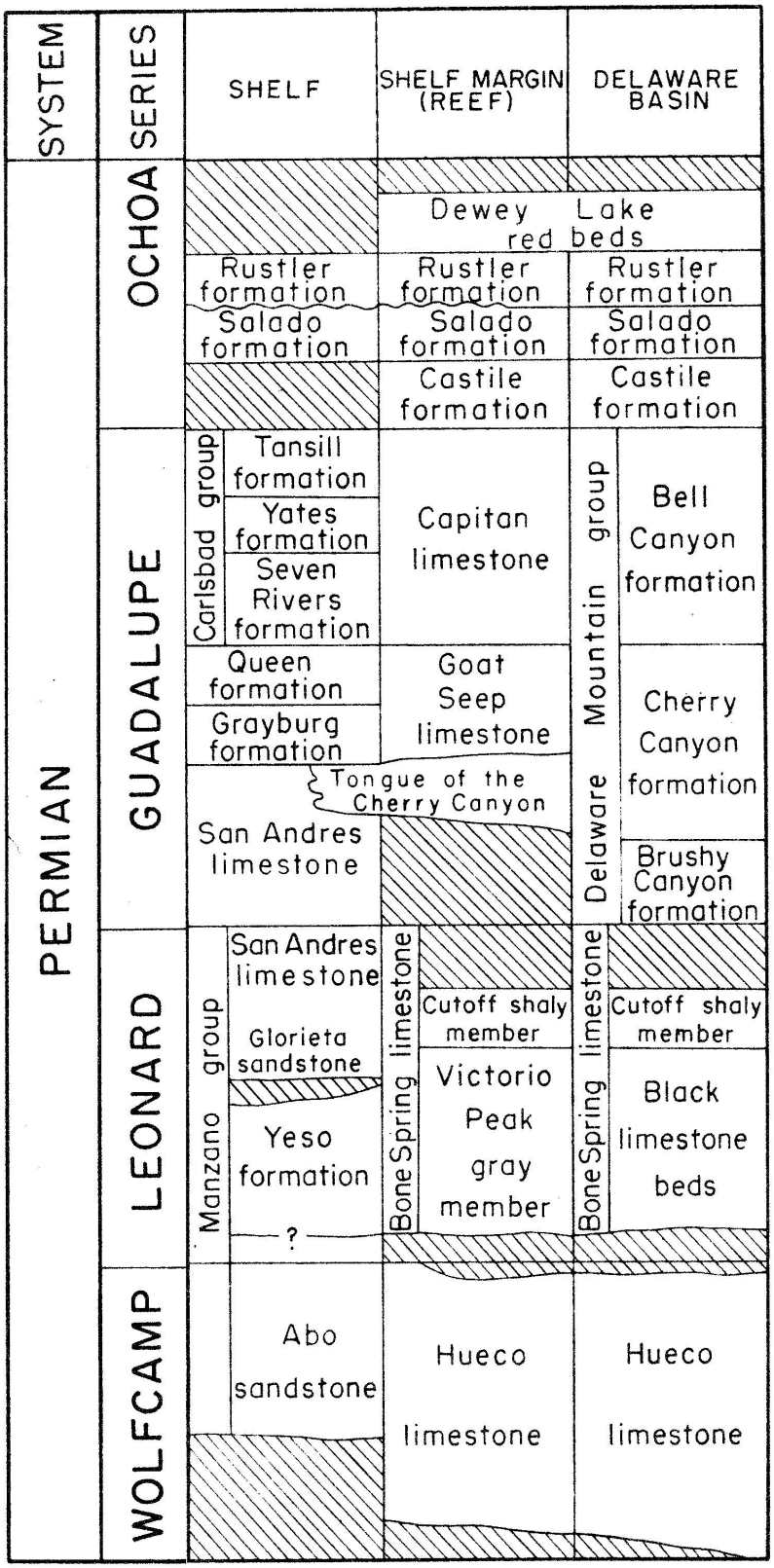

Figure 4
Diagram Showing Correlations of Formations of Permian Age in Southeastern New Mexico
Ochoa Mine
Hydrogeologic
Impact Assessment

Source: Bjorklund and Motts, 1959, Figure 9

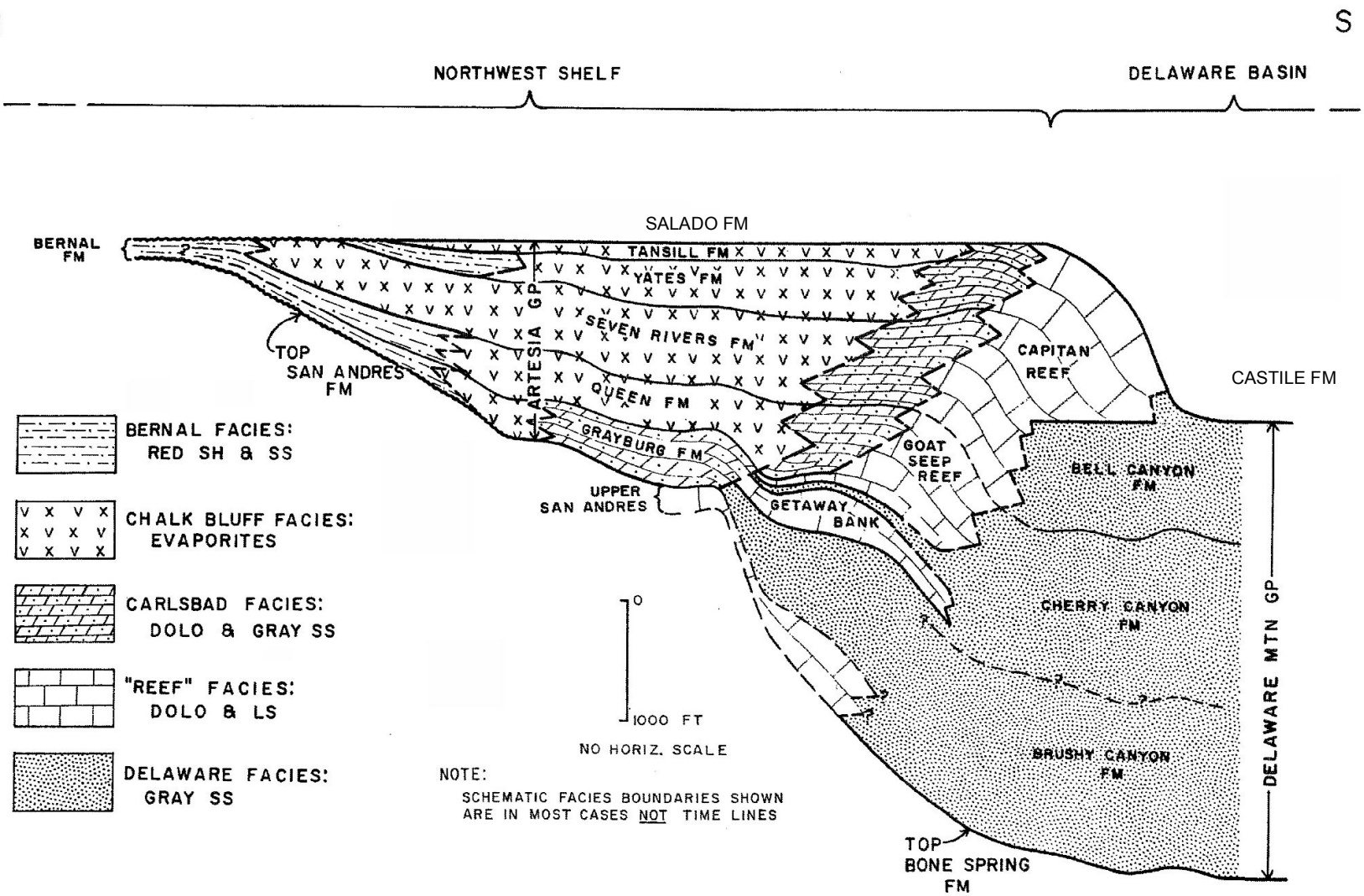

Figure 5
Schematic N-S Cross Section Showing Dominant Aspect of Major Lithofacies and Formational Unit in the Artesia and Delaware Mountain Groups and their Equivalents
Ochoa Mine
Hydrogeologic Impact Assessment

Source: Meissner, 1972, Figure 2

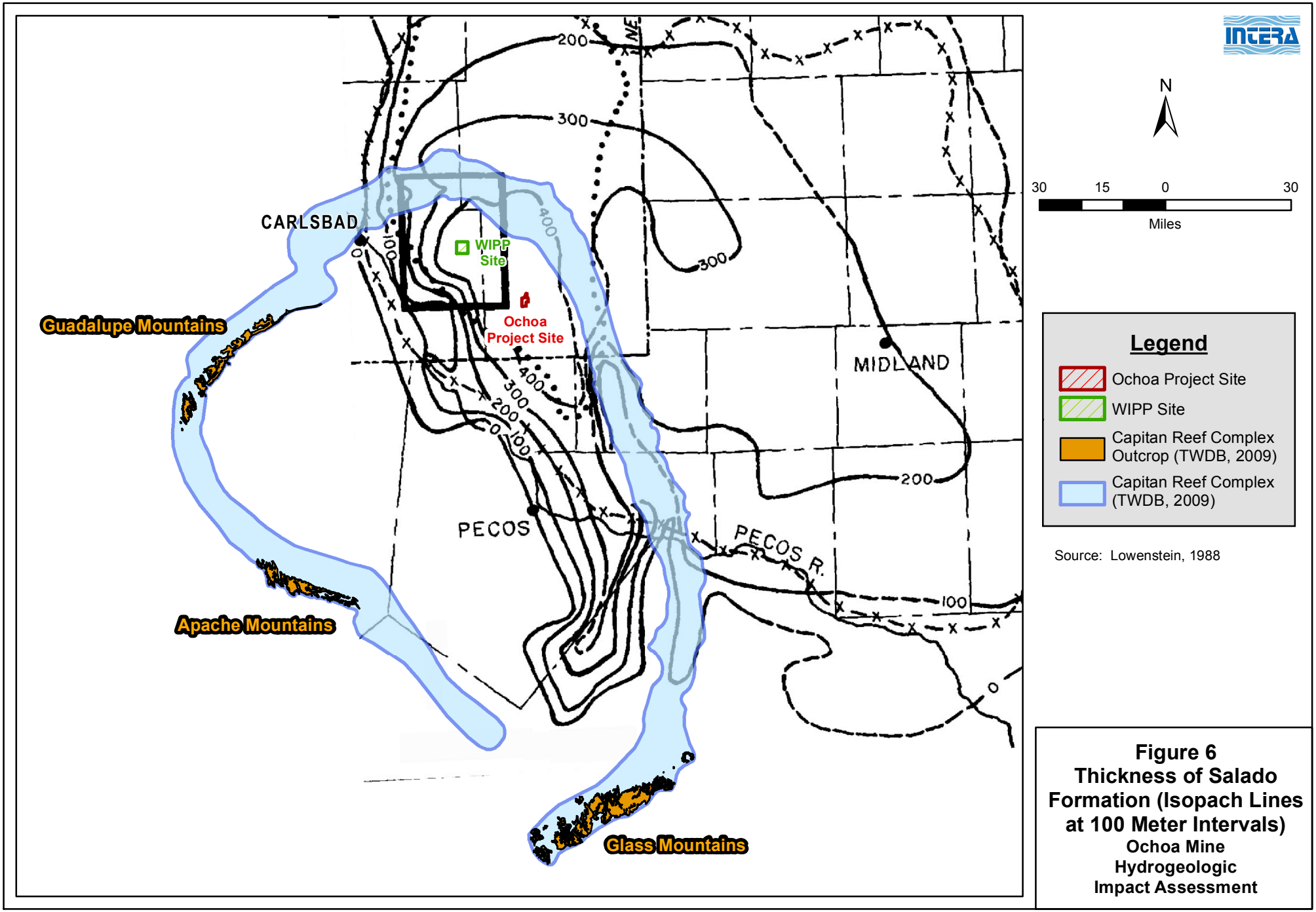

Figure 6
Thickness of Salado Formation (Isopach Lines at 100 Meter Intervals)
Ochoa Mine Hydrogeologic Impact Assessment

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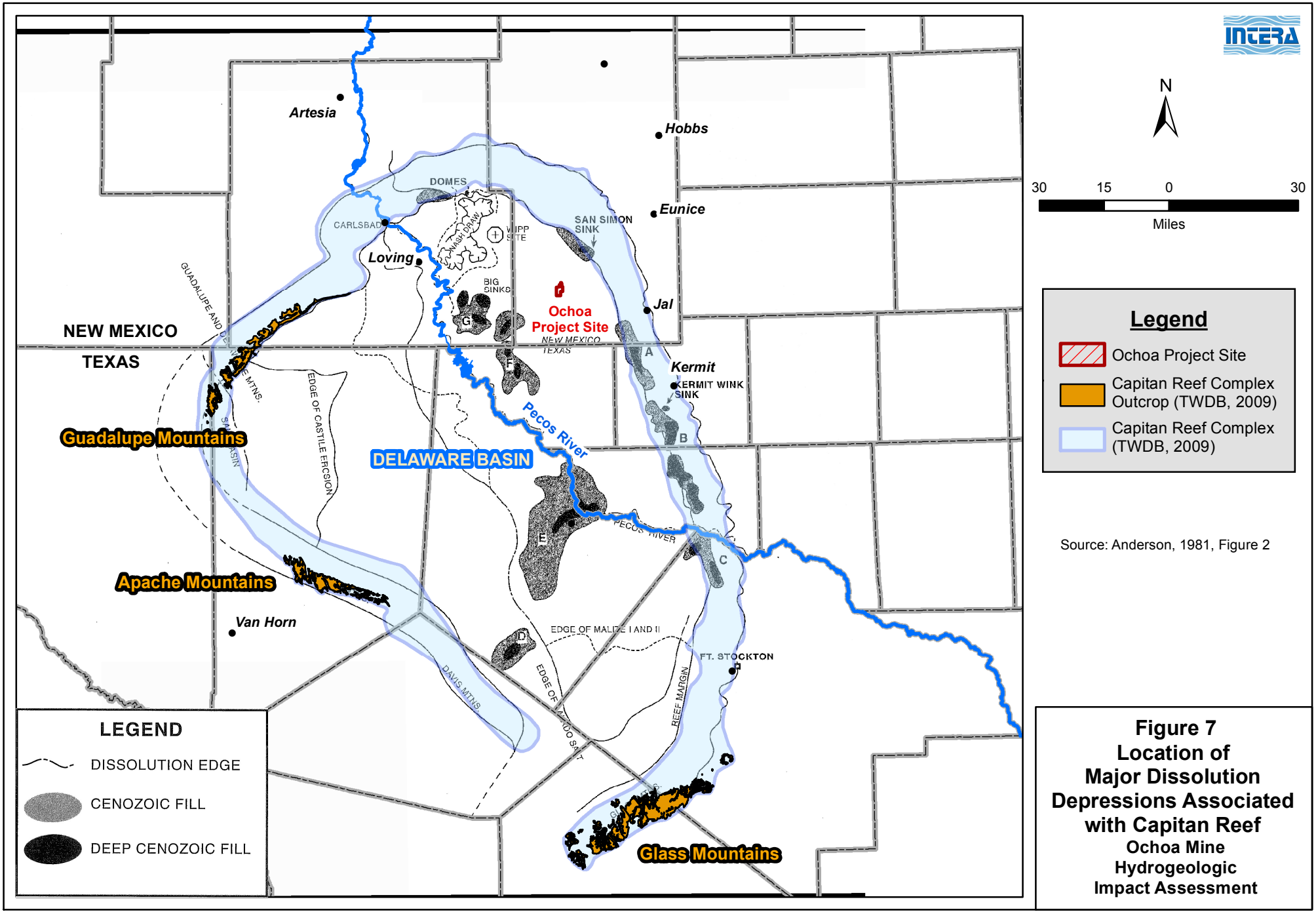

Figure 7
Location of Major Dissolution Depressions Associated with Capitan Reef
Ochoa Mine Hydrogeologic Impact Assessment

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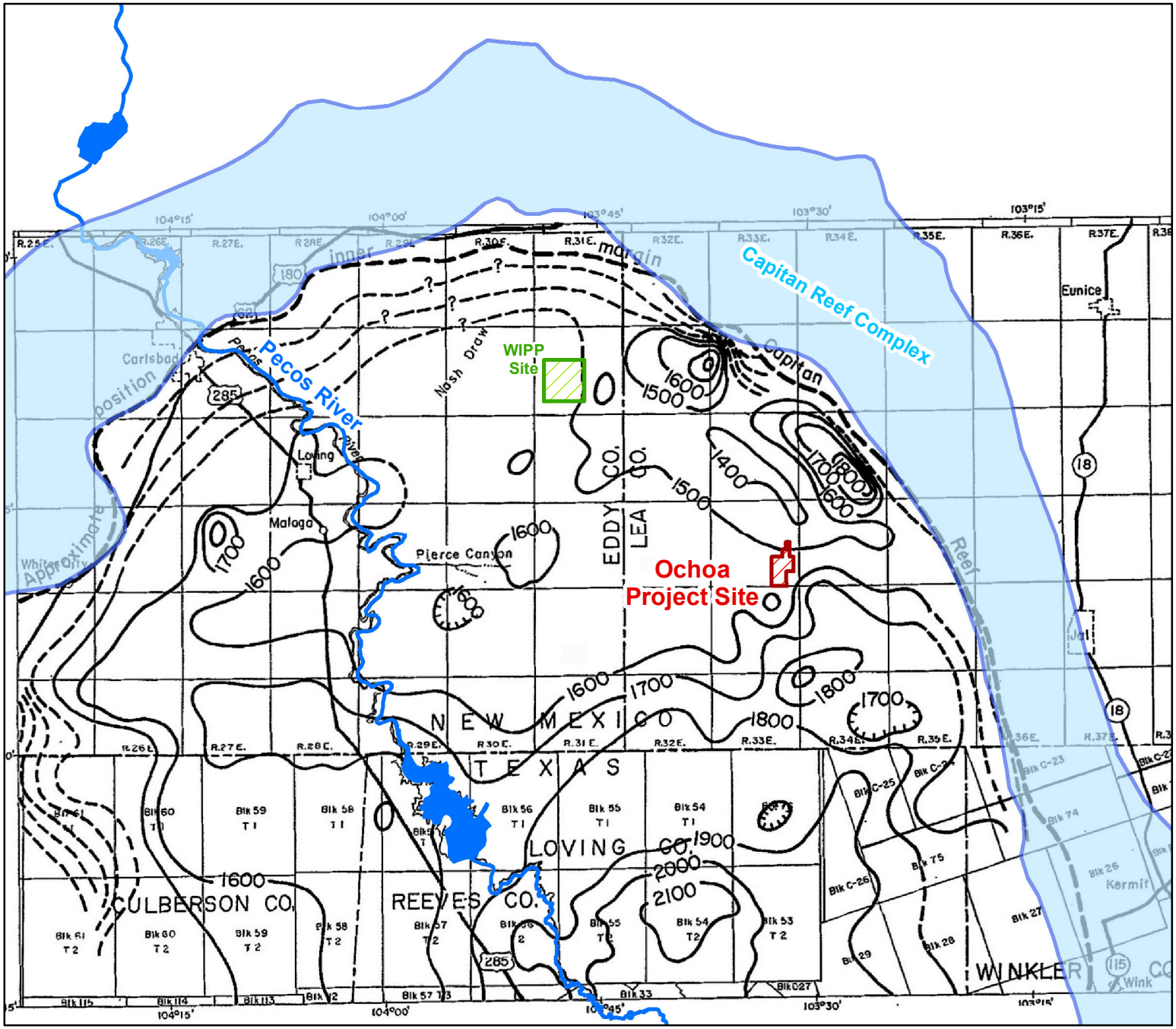

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10 5 0 10

Miles

Legend

- Ochoa Project Site
- WIPP Site
- Capitan Reef Complex (TWDB, 2009)

Source: Bachman, 1983
Contour lines - feet

Figure 8
Isopach Map of Castile Formation
Ochoa Mine Hydrogeologic Impact Assessment

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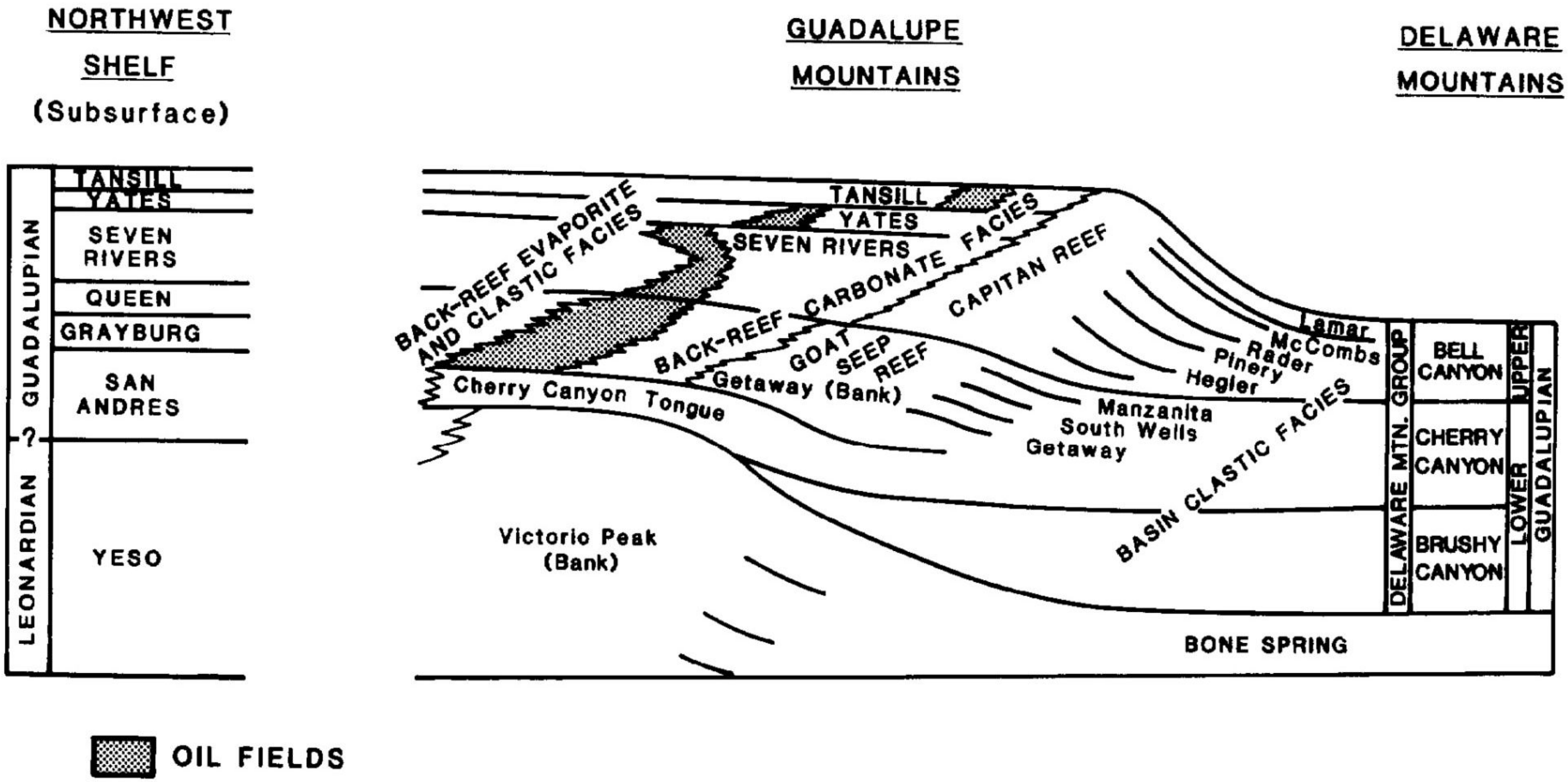
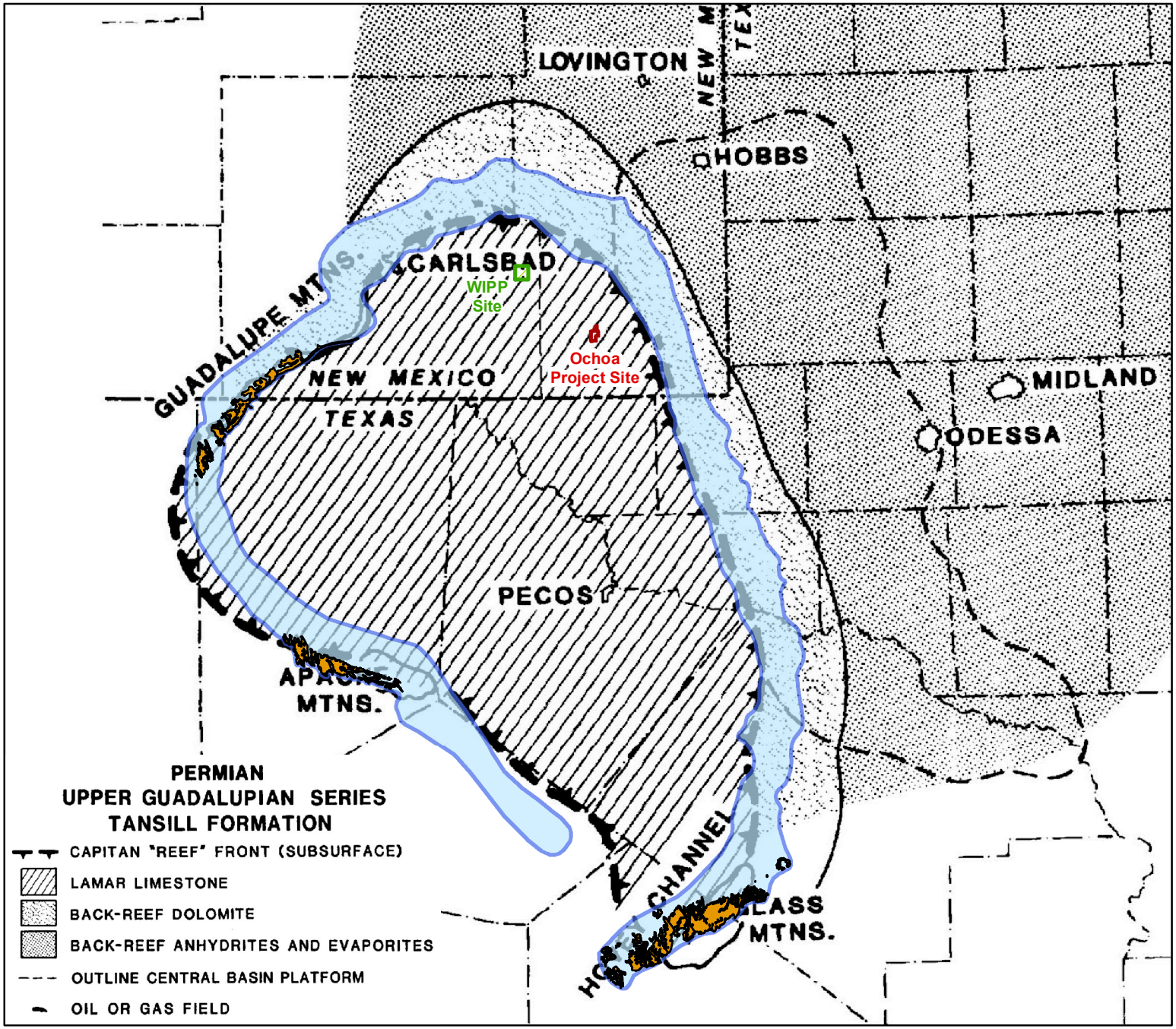


Source: Ward et.al., 1986, Figure 7

Figure 9
Diagrammatic Cross Section Showing Stratigraphic Relations and Generalized Positions of Oil Fields on Northwest Shelf and Central Basin Platform
Ochoa Mine
Hydrogeologic Impact Assessment



N

30 15 0 30

Miles

Legend

- Ochoa Project Site
- WIP Site
- Capitan Reef Complex Outcrop (TWDB, 2009)
- Capitan Reef Complex (TWDB, 2009)

Source: Ward et.al., 1986, Figure 16

Figure 10
Simplified Geologic Map of the Tansill Formation in Permian Basin Showing Location of Producing Oil Fields
Ochoa Mine Hydrogeologic Impact Assessment

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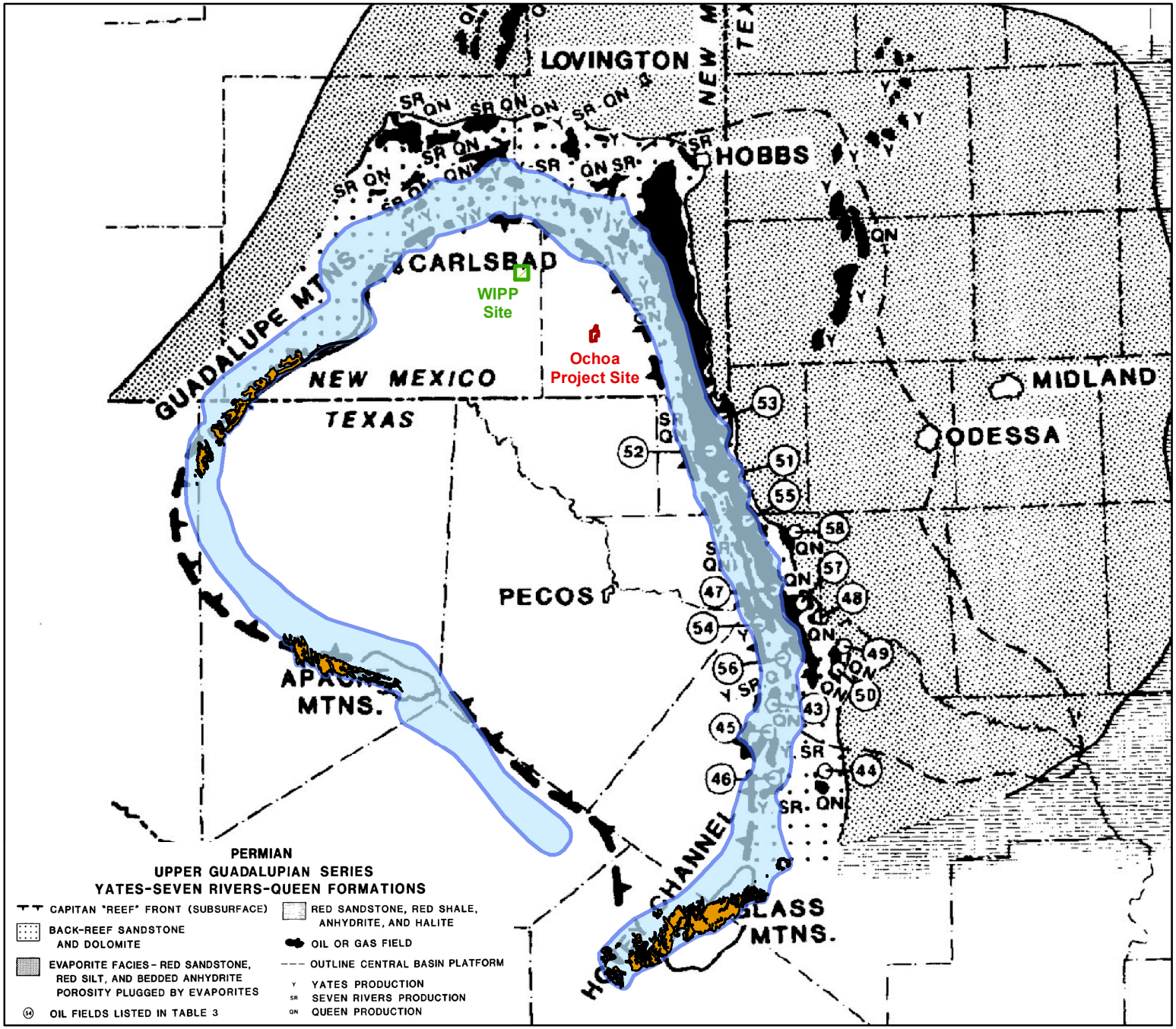

N

30 15 0 30
Miles

Legend

- Ochoa Project Site
- WIPP Site
- Capitan Reef Complex Outcrop (TWDB, 2009)
- Capitan Reef Complex (TWDB, 2009)

Source: Ward et.al., 1986, Figure 14

Figure 11
Simplified Geologic Map of Yates, Seven Rivers, and Queen Formations in Permian Basin Showing Locations of Producing Fields
Ochoa Mine Hydrogeologic Impact Assessment

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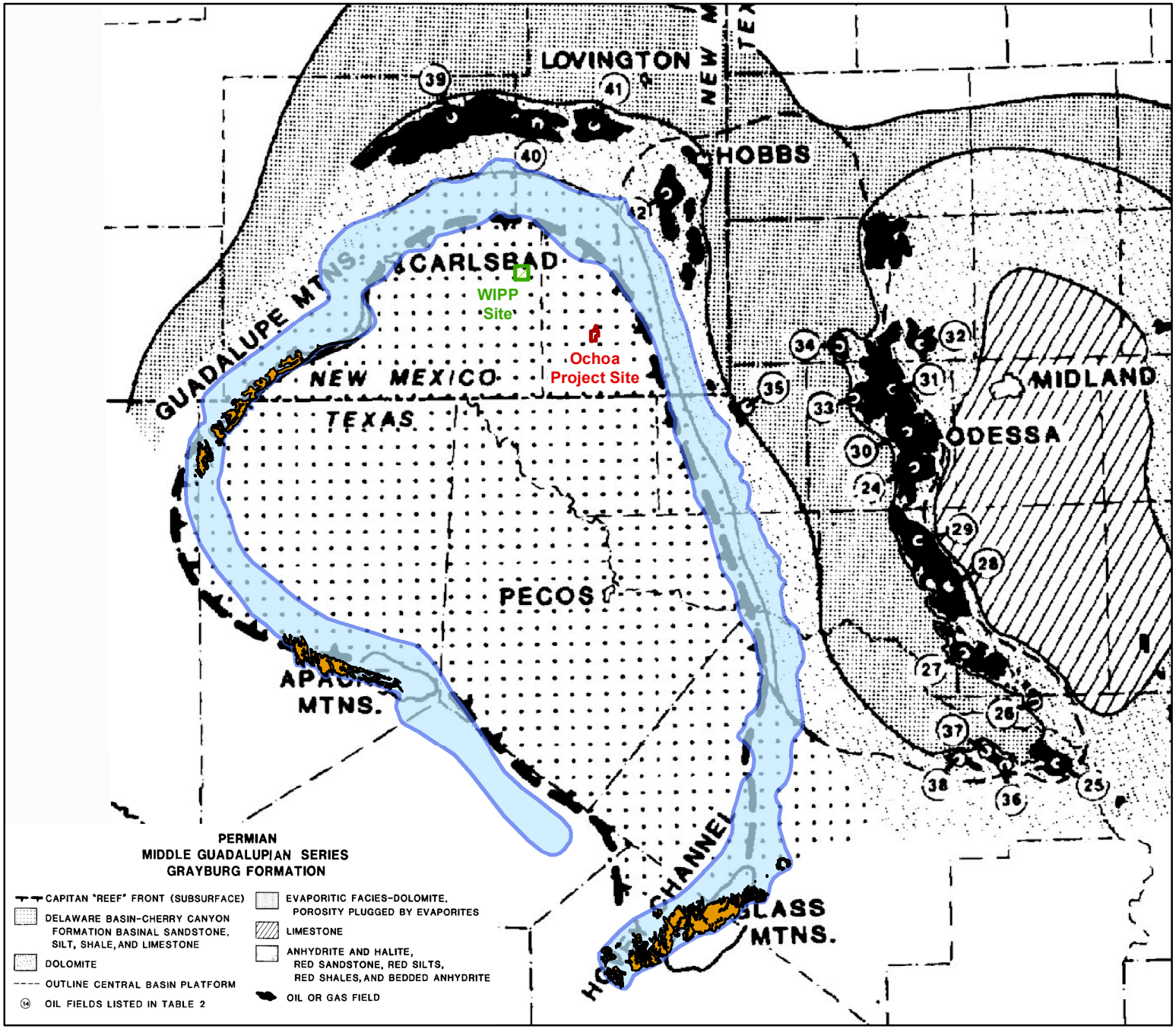

N

30 15 0 30

Miles

Legend

- Ochoa Project Site
- WIPP Site
- Capitan Reef Complex Outcrop (TWDB, 2009)
- Capitan Reef Complex (TWDB, 2009)

Source: Ward et.al., 1986, Figure 11

Figure 12
Simplified Geologic Map of Grayburg Formation in Permian Basin Showing Locations of Producing Fields
Ochoa Mine Hydrogeologic Impact Assessment

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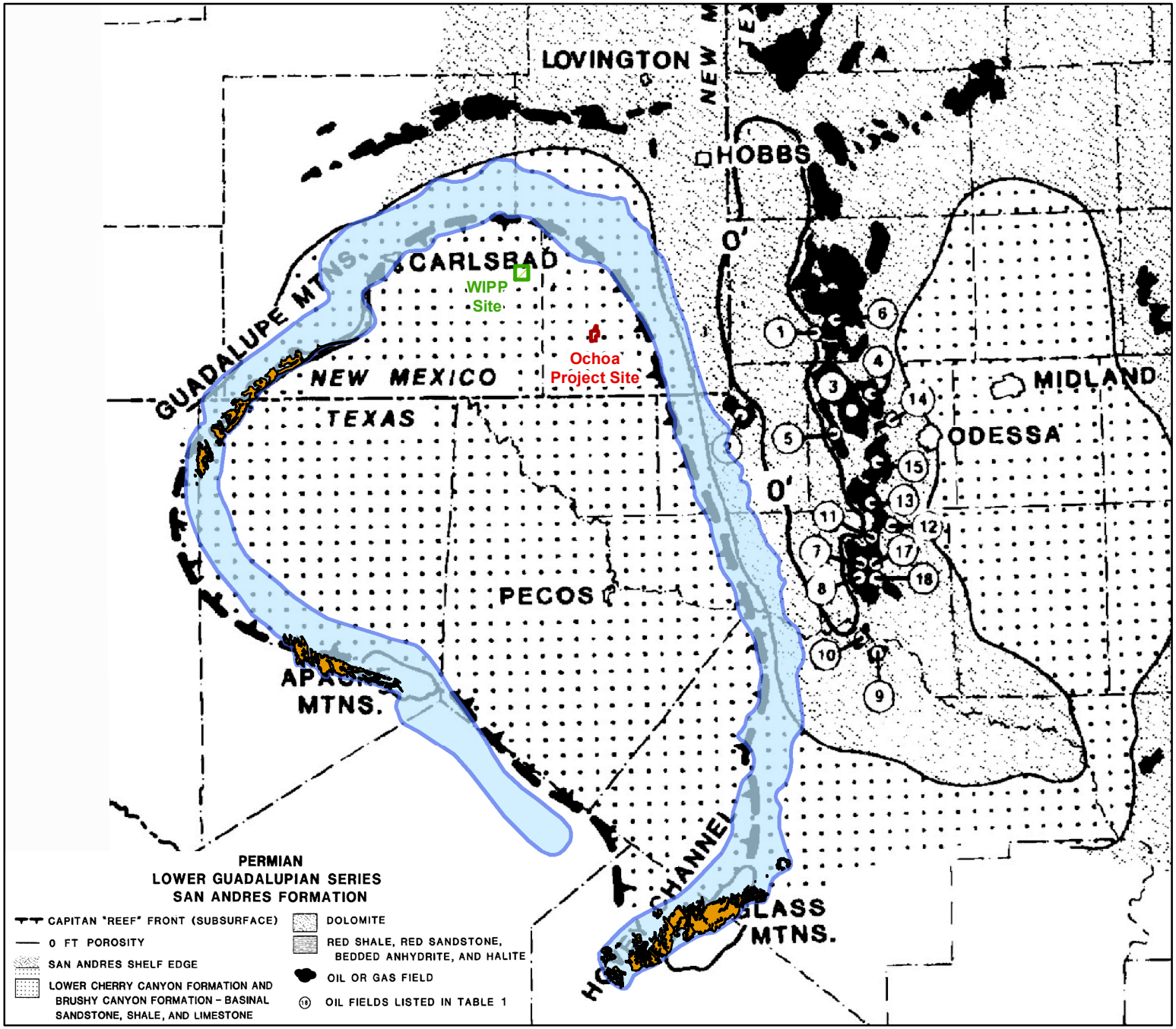

N

30 15 0 30
Miles

Legend

- Ochoa Project Site
- WIPP Site
- Capitan Reef Complex Outcrop (TWDB, 2009)
- Capitan Reef Complex (TWDB, 2009)

Source: Ward et.al., 1986, Figure 8

Figure 13
Simplified Geologic Map of San Andres Formation in Permian Basin Showing Locations of Producing Fields
Ochoa Mine Hydrogeologic Impact Assessment

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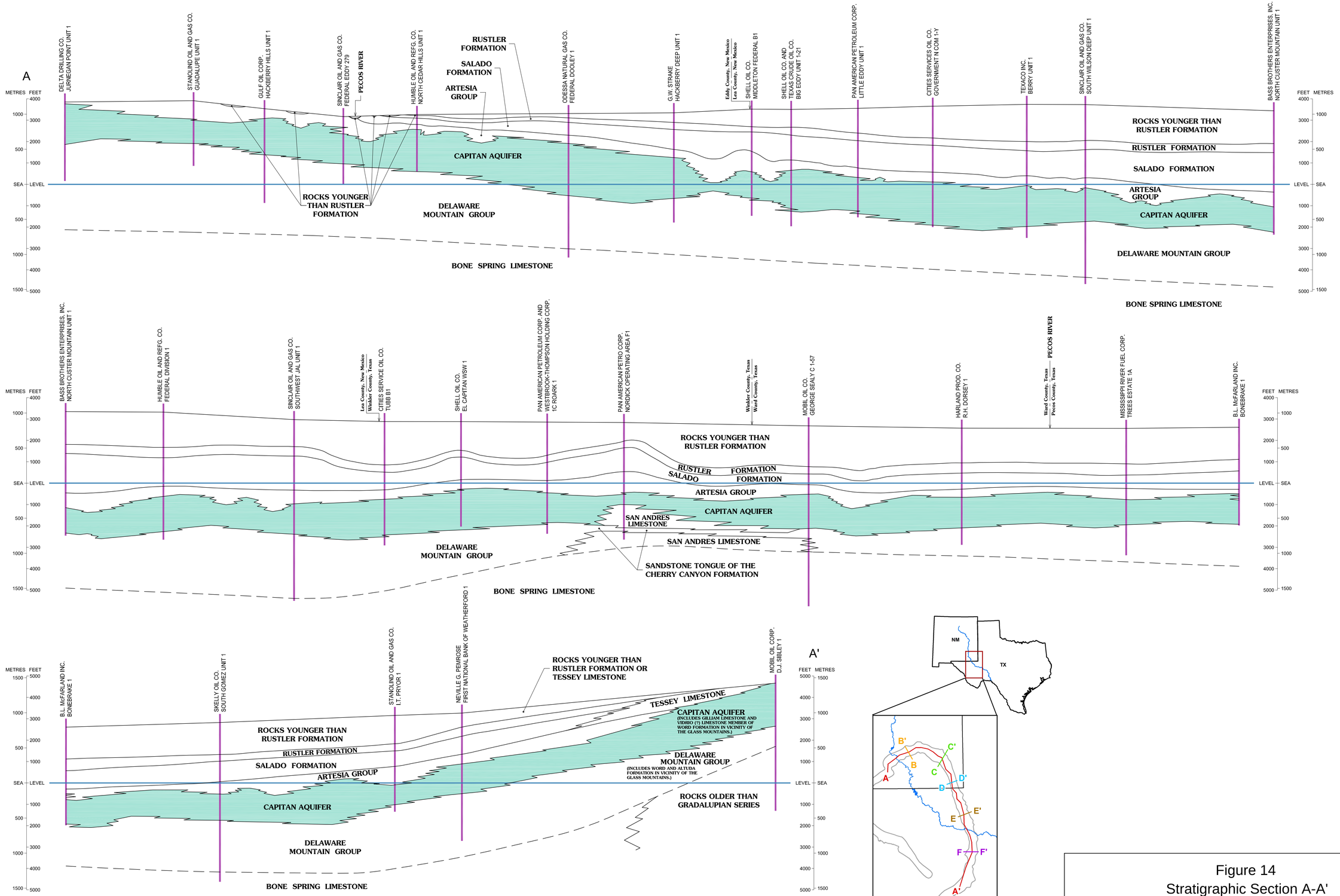
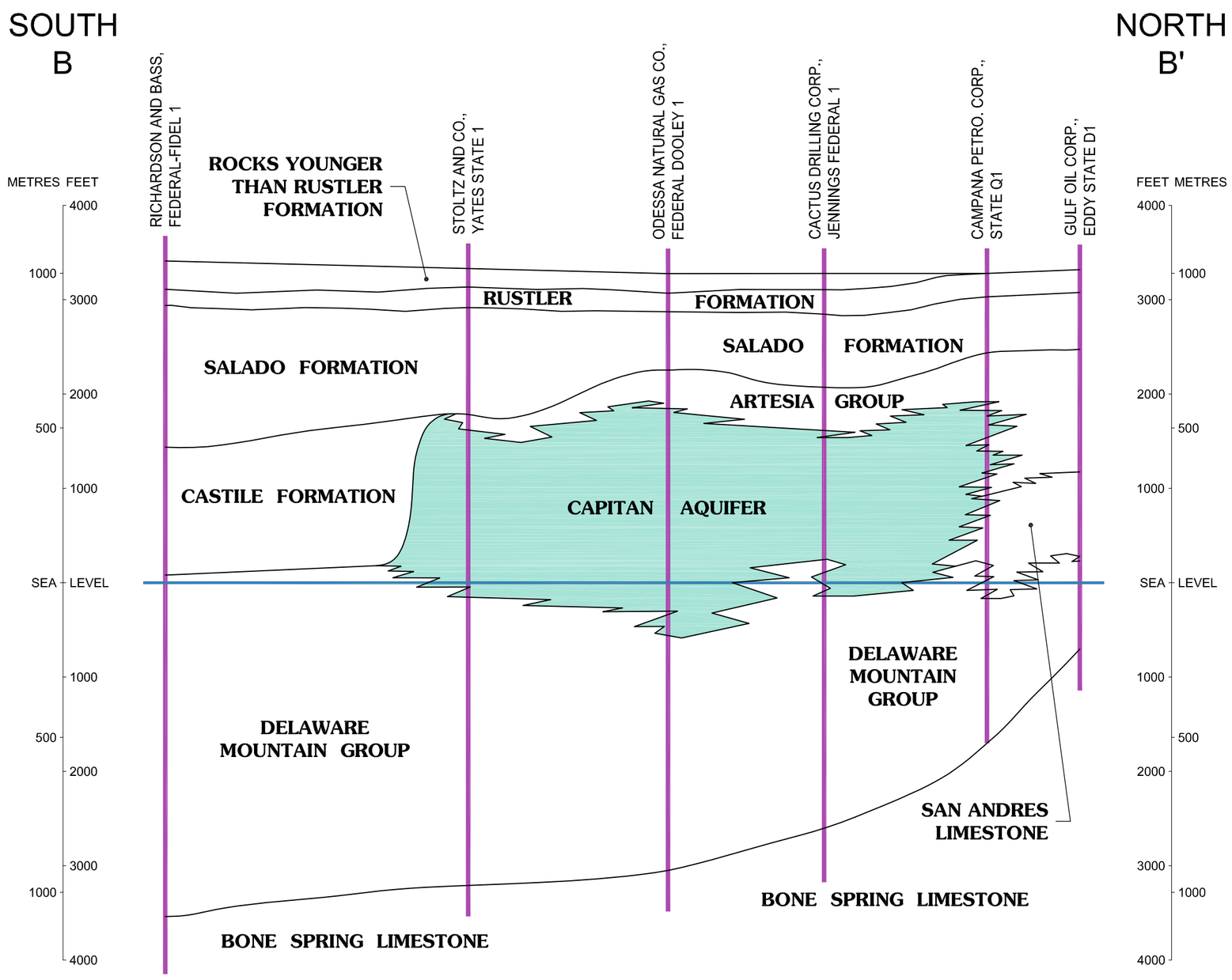


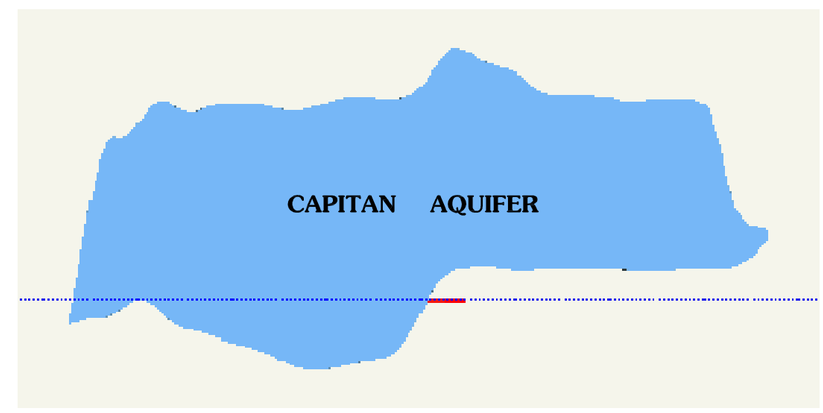
Source: Hiss, 1975, Figure 6

Figure 14
Stratigraphic Section A-A'
Longitudinally Along the Capitan Reef Complex and Aquifer
Ochoa Mine Hydrogeologic Impact Assessment



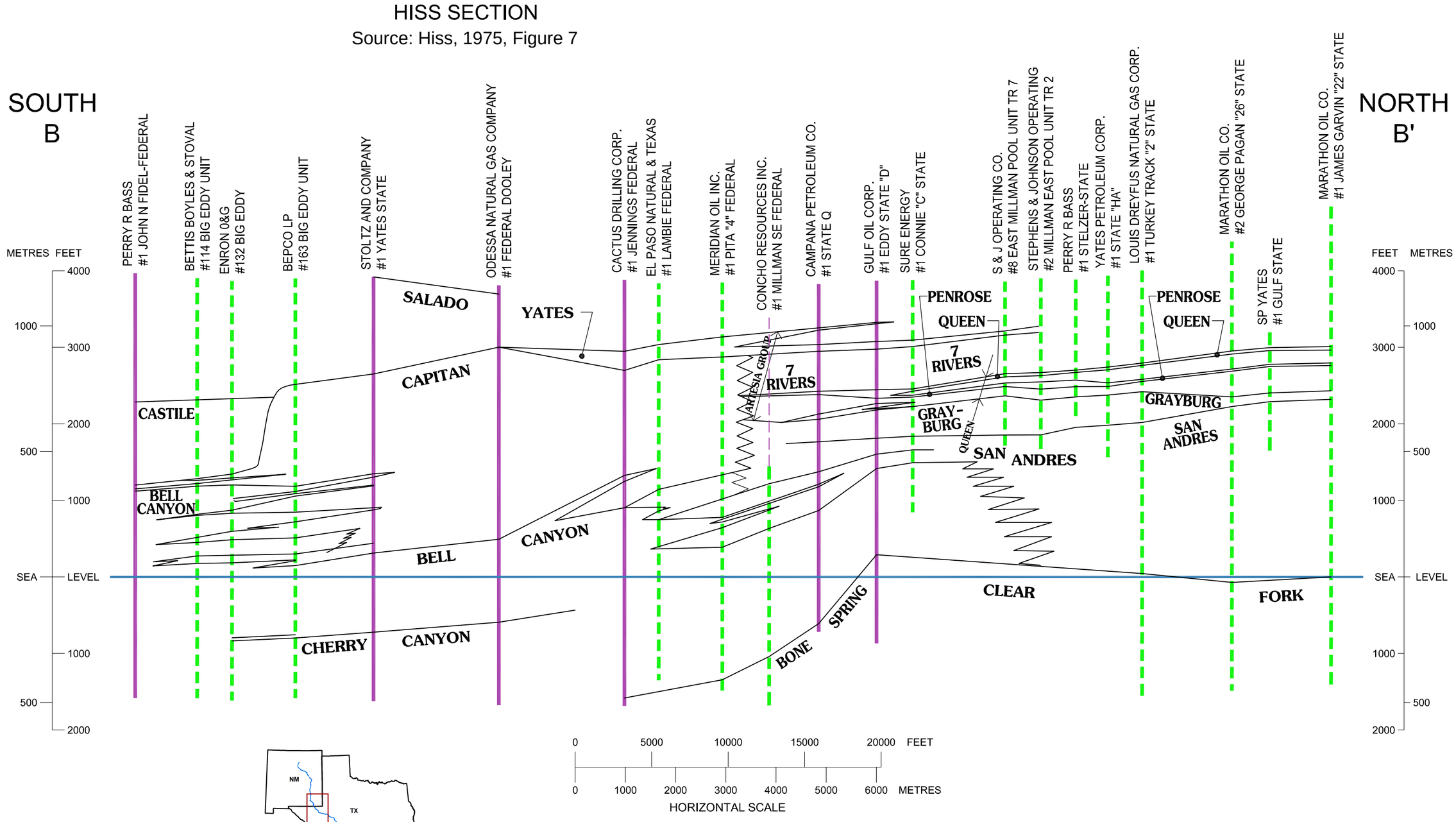
HISS SECTION

Source: Hiss, 1975, Figure 7

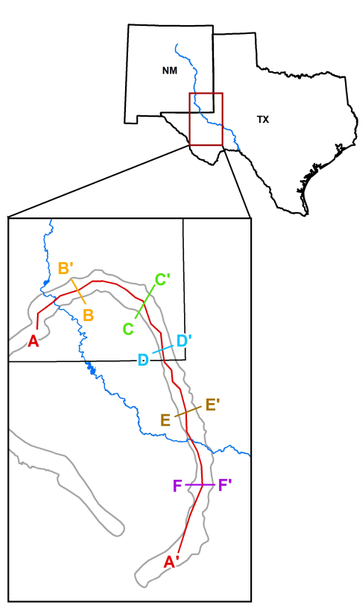


INTERA Model

NOT TO SCALE
(1H : 10V)

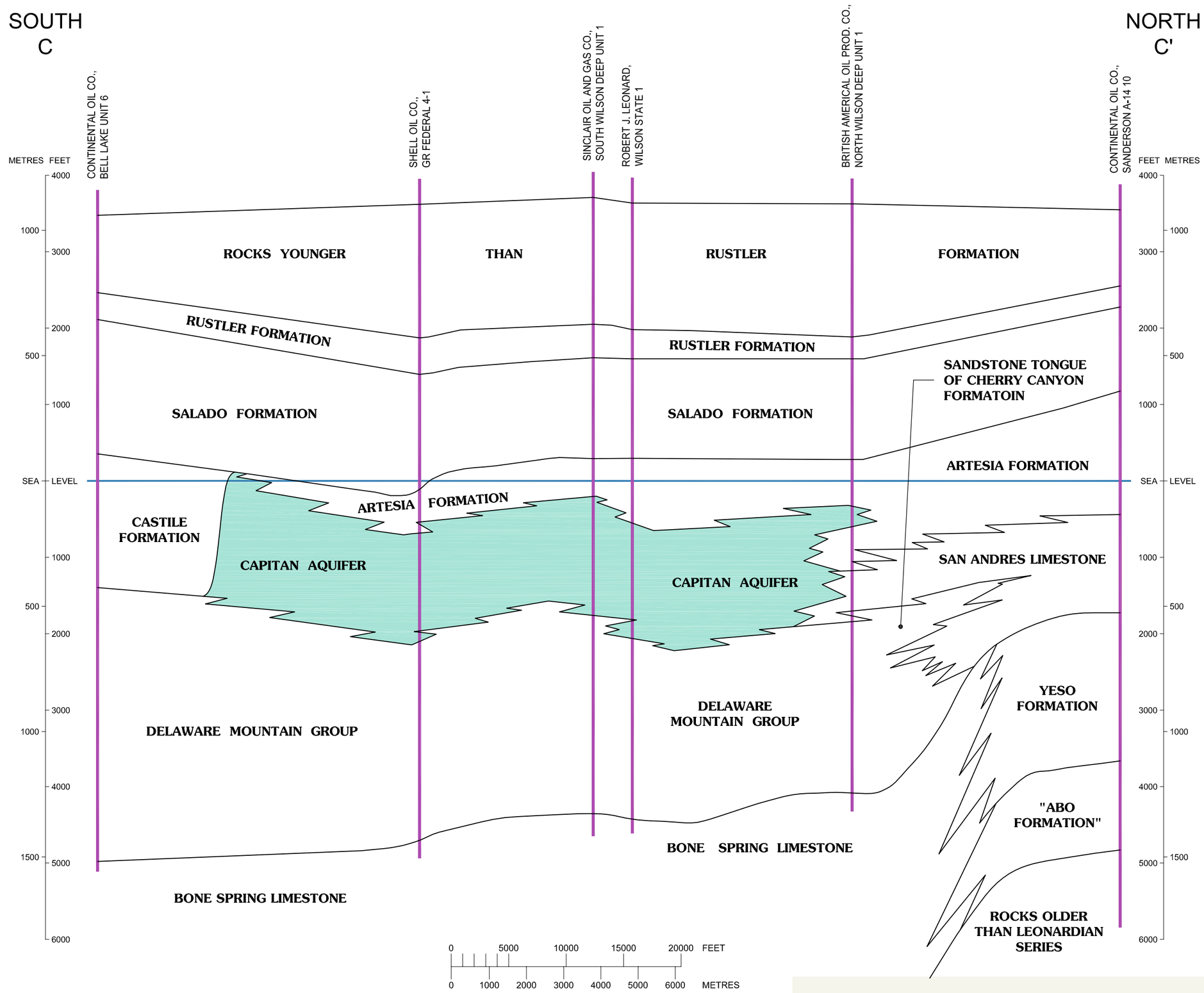


LAMB SECTION

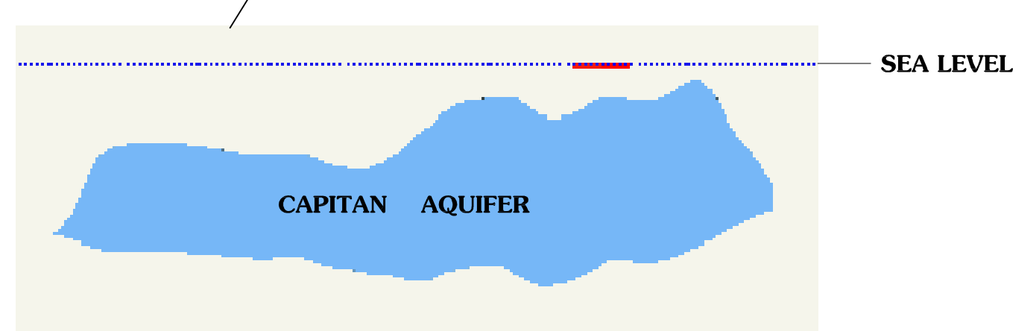


INTERA
Geosciences & Engineering

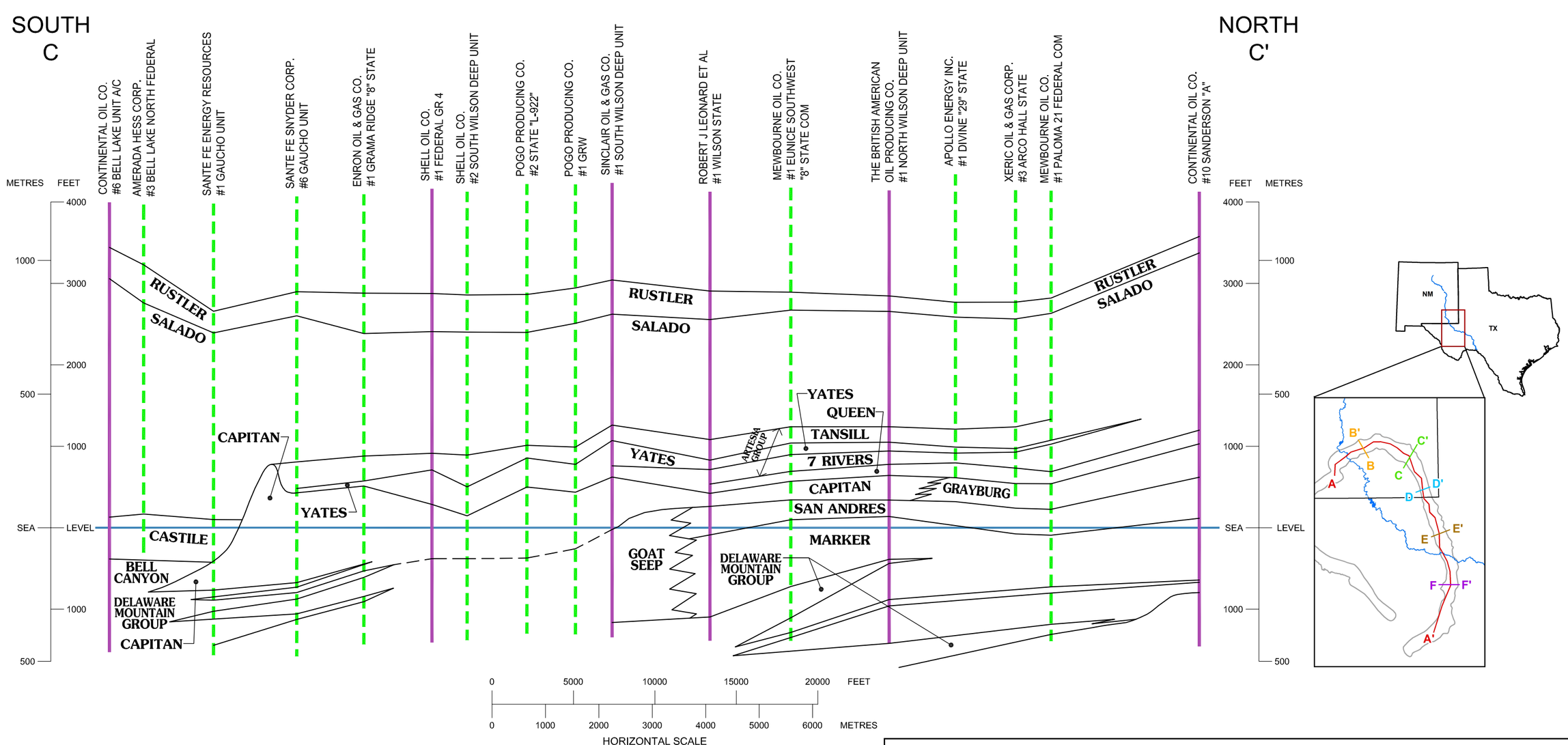
Figure 15
Stratigraphic Section B-B'
Across the Capitan Reef Complex and Aquifer
Ochoa Mine Hydrogeologic Impact Assessment



HISS SECTION
Source: Hiss, 1975, Figure 7



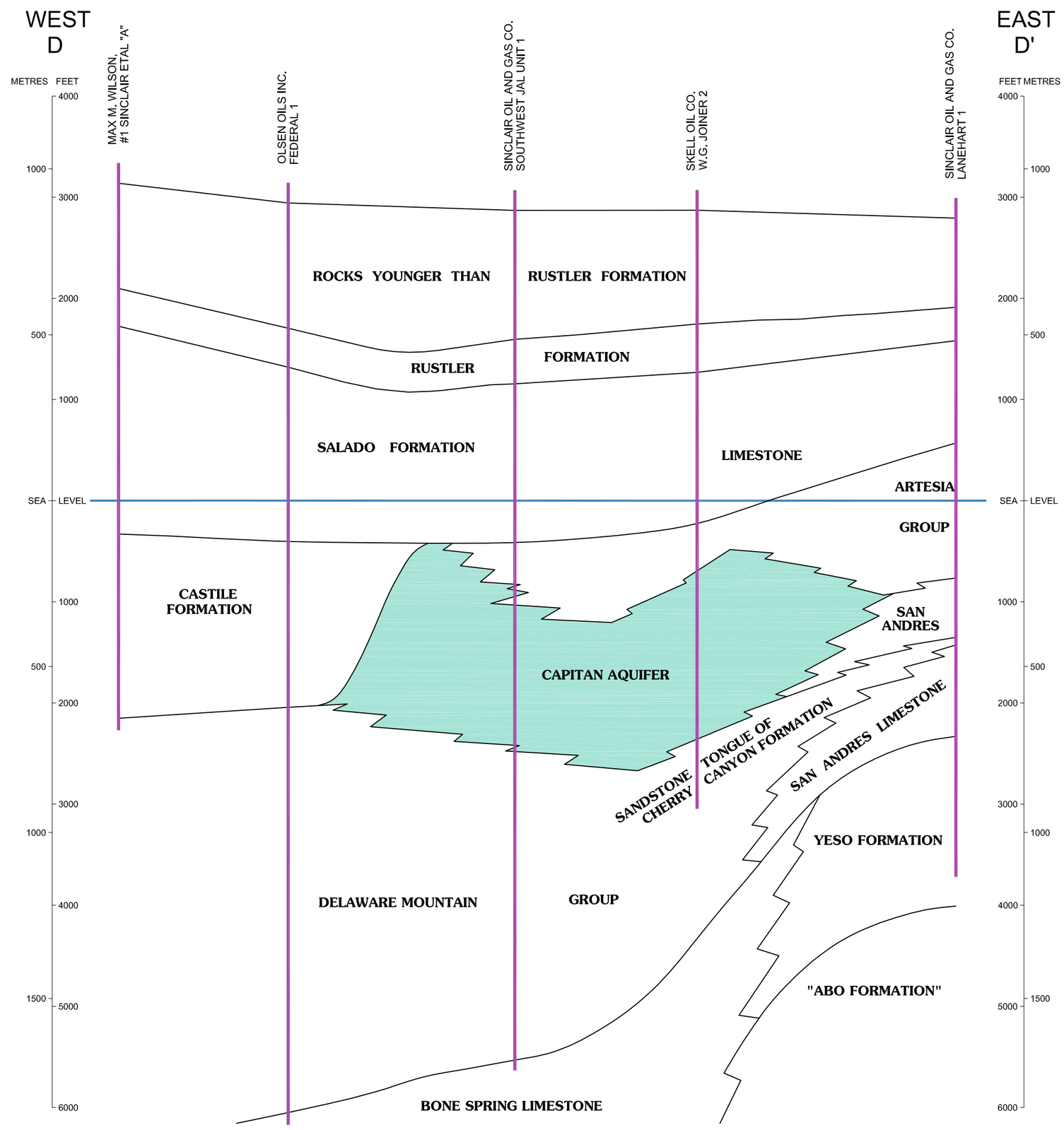
INTERA Model
NOT TO SCALE
(1H : 10V)

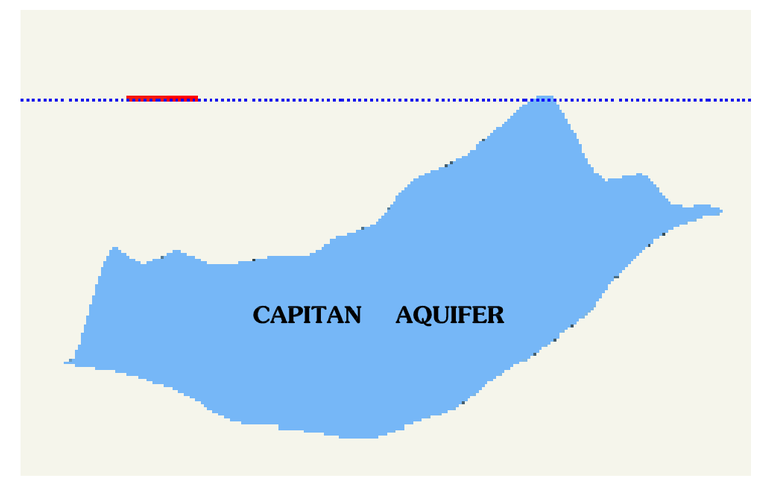


LAMB SECTION

INTERA
Geosciences & Engineering

Figure 16
Stratigraphic Section C-C'
Across the Capitan Reef Complex and Aquifer
Ochoa Mine Hydrogeologic Impact Assessment



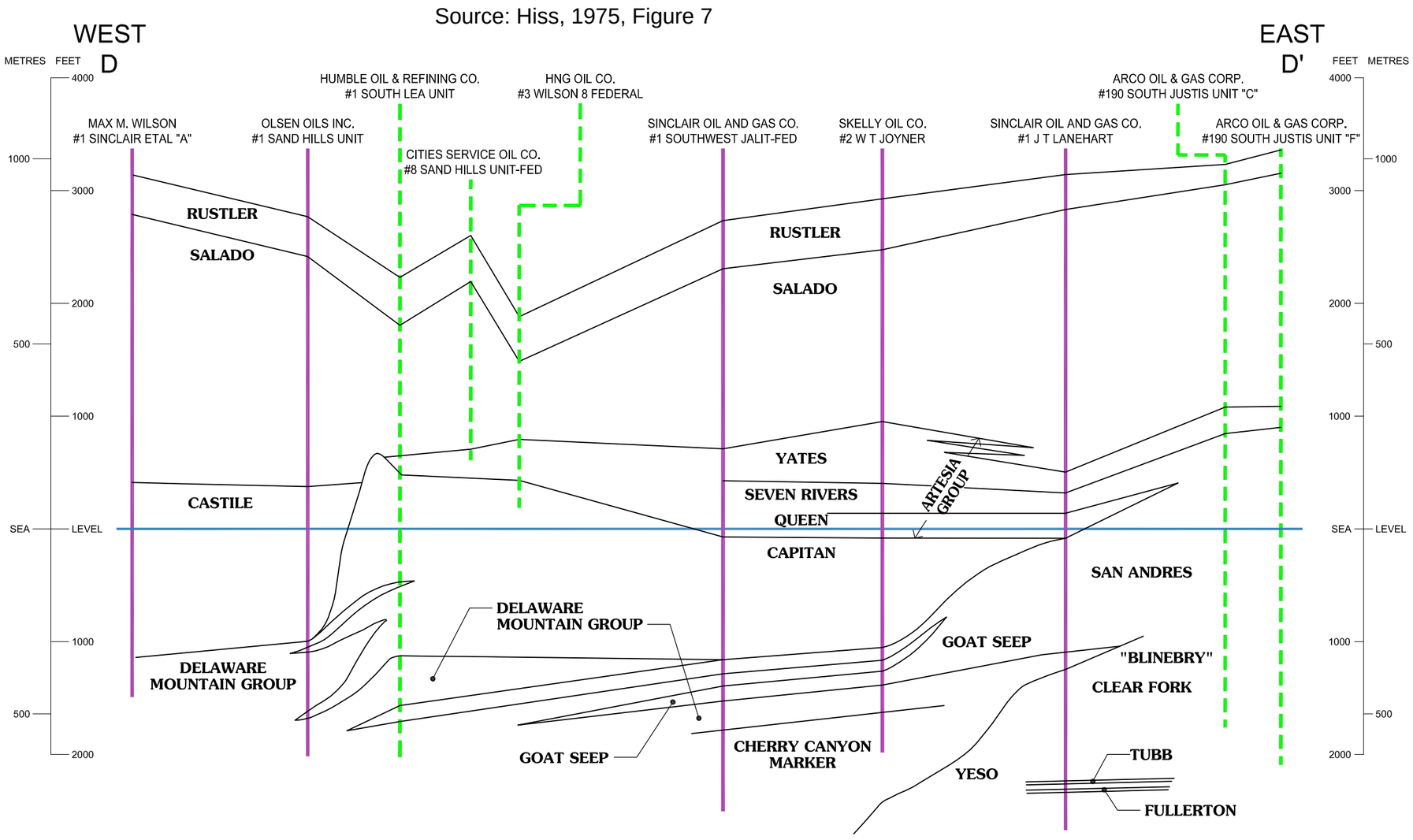


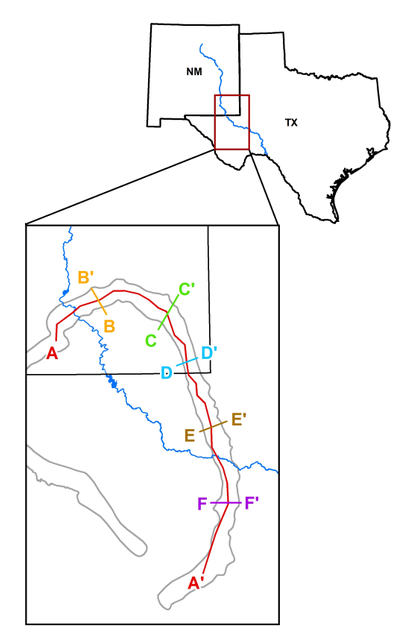
INTERA Model

NOT TO SCALE
(1H : 10V)

0 5000 10000 15000 20000 FEET
0 1000 2000 3000 4000 5000 6000 METRES
HORIZONTAL SCALE

HISS SECTION
Source: Hiss, 1975, Figure 7



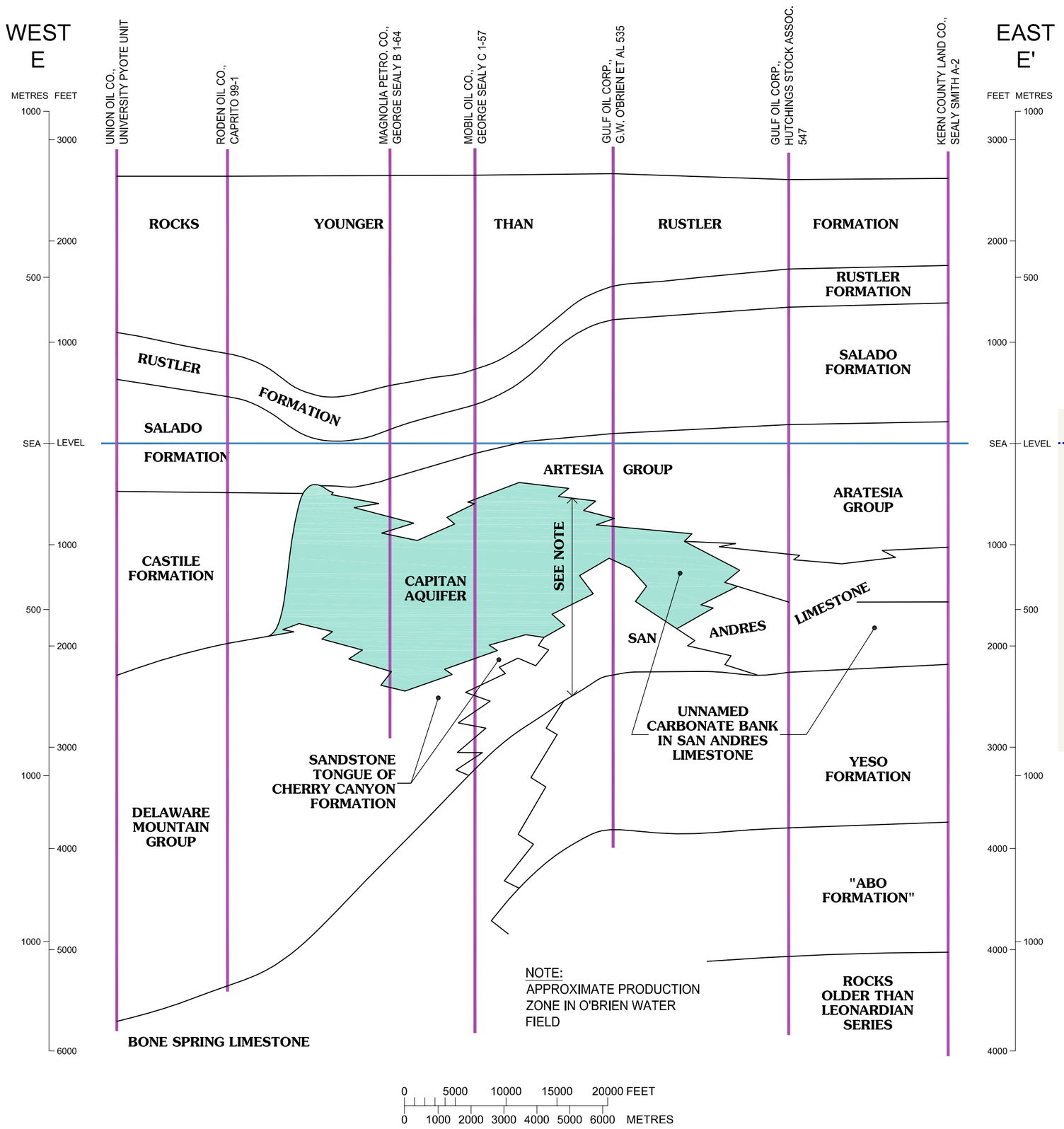


0 5000 10000 15000 20000 FEET
0 1000 2000 3000 4000 5000 6000 METRES
HORIZONTAL SCALE

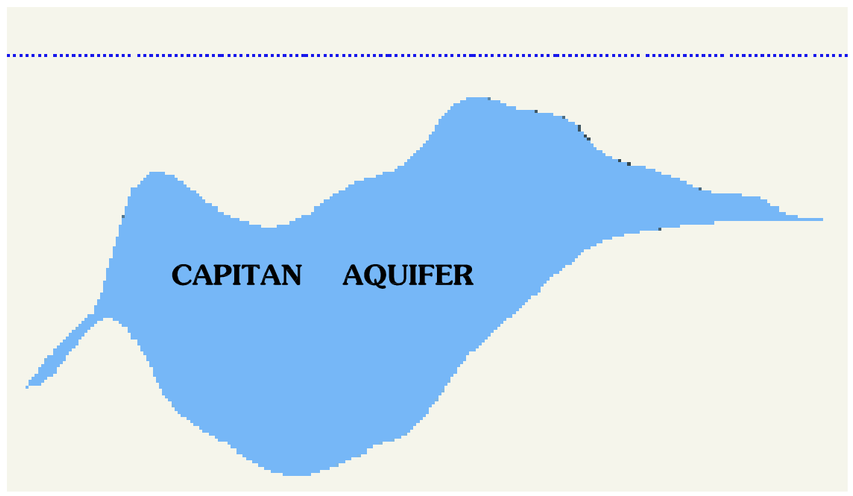
LAMB SECTION

INTERA
Geosciences & Engineering

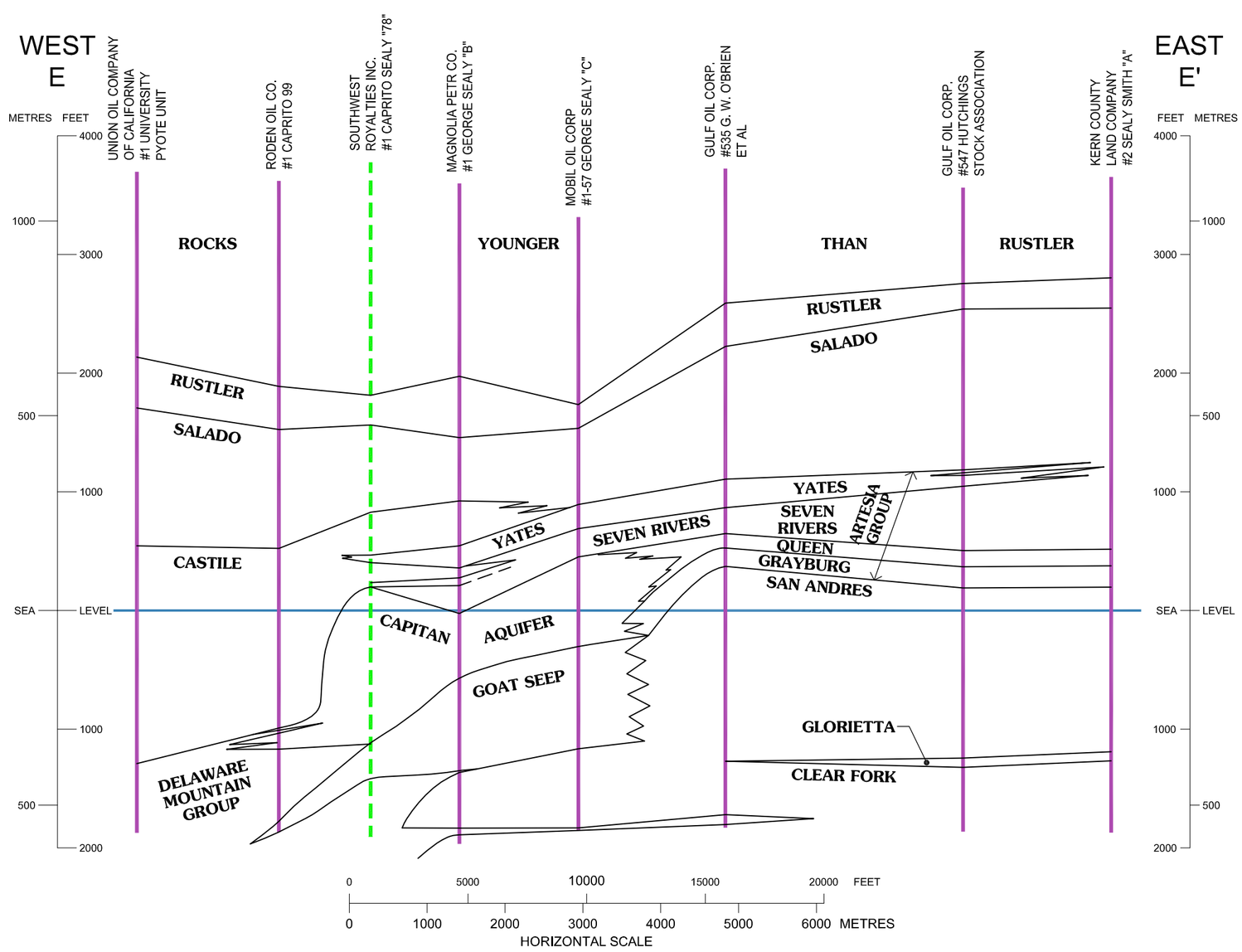
Figure 17
Stratigraphic Section D-D'
Across the Capitan Reef Complex and Aquifer
Ochoa Mine Hydrogeologic Impact Assessment



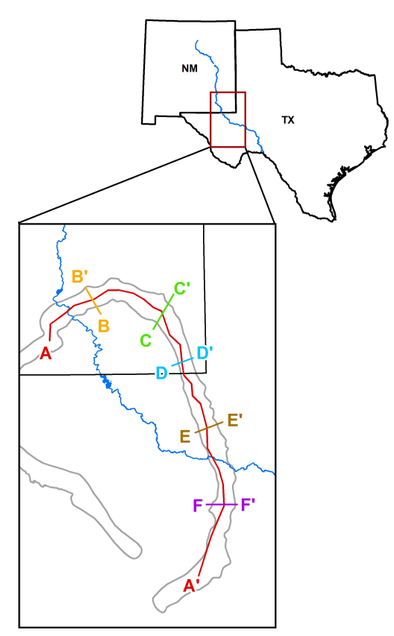
HISS SECTION
Source: Hiss, 1975, Figure 7



INTERA Model
NOT TO SCALE
(1H : 10V)

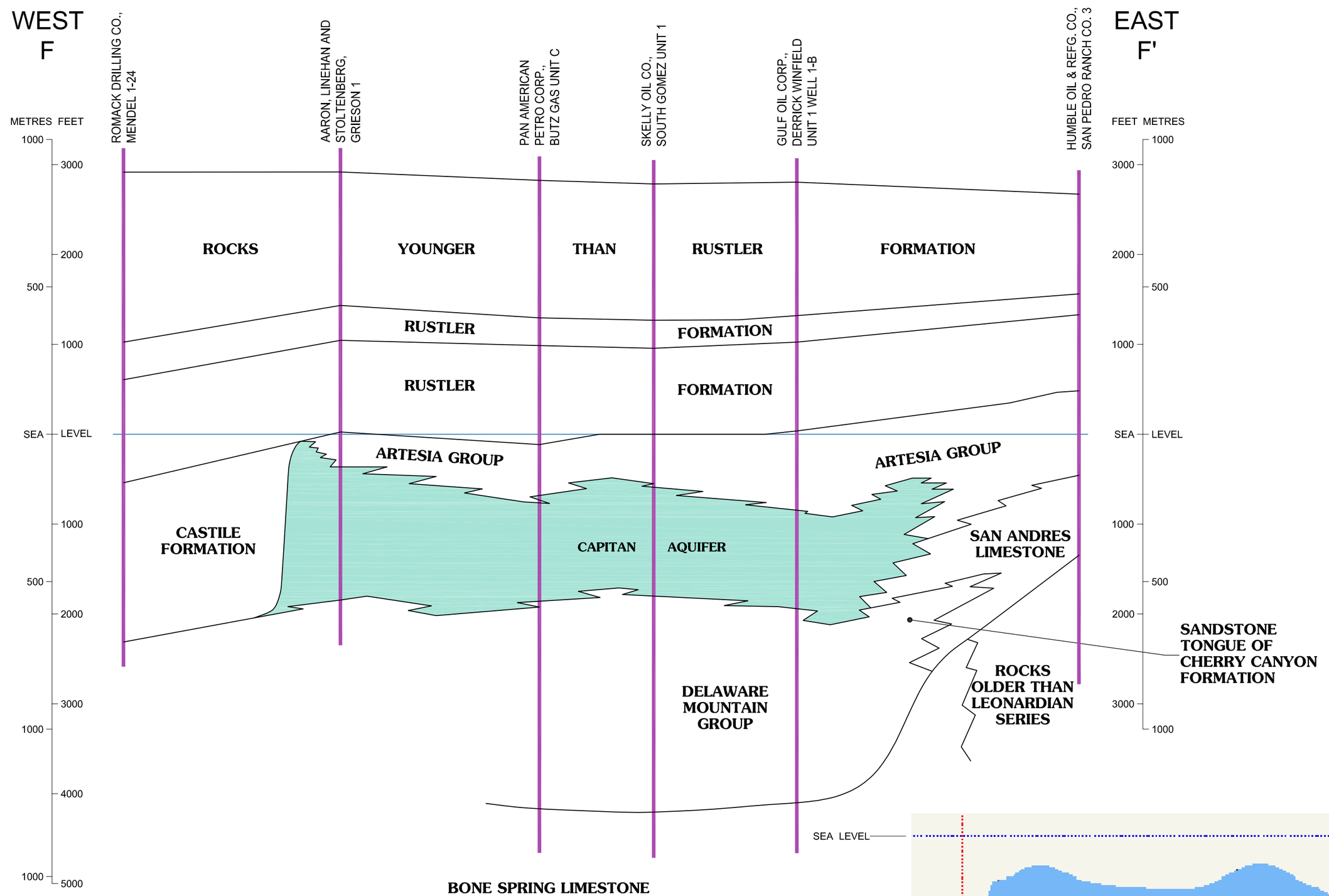


LAMB SECTION

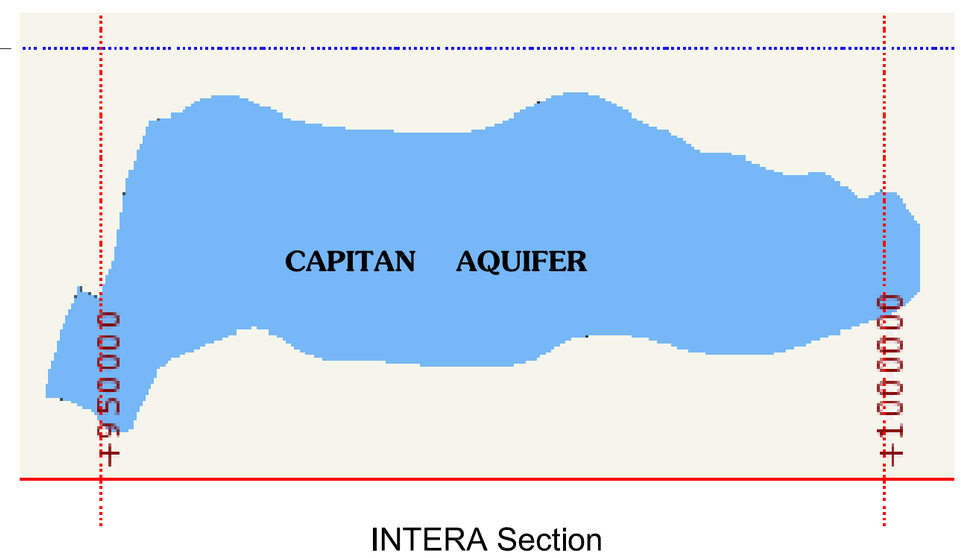


INTERA
Geosciences & Engineering

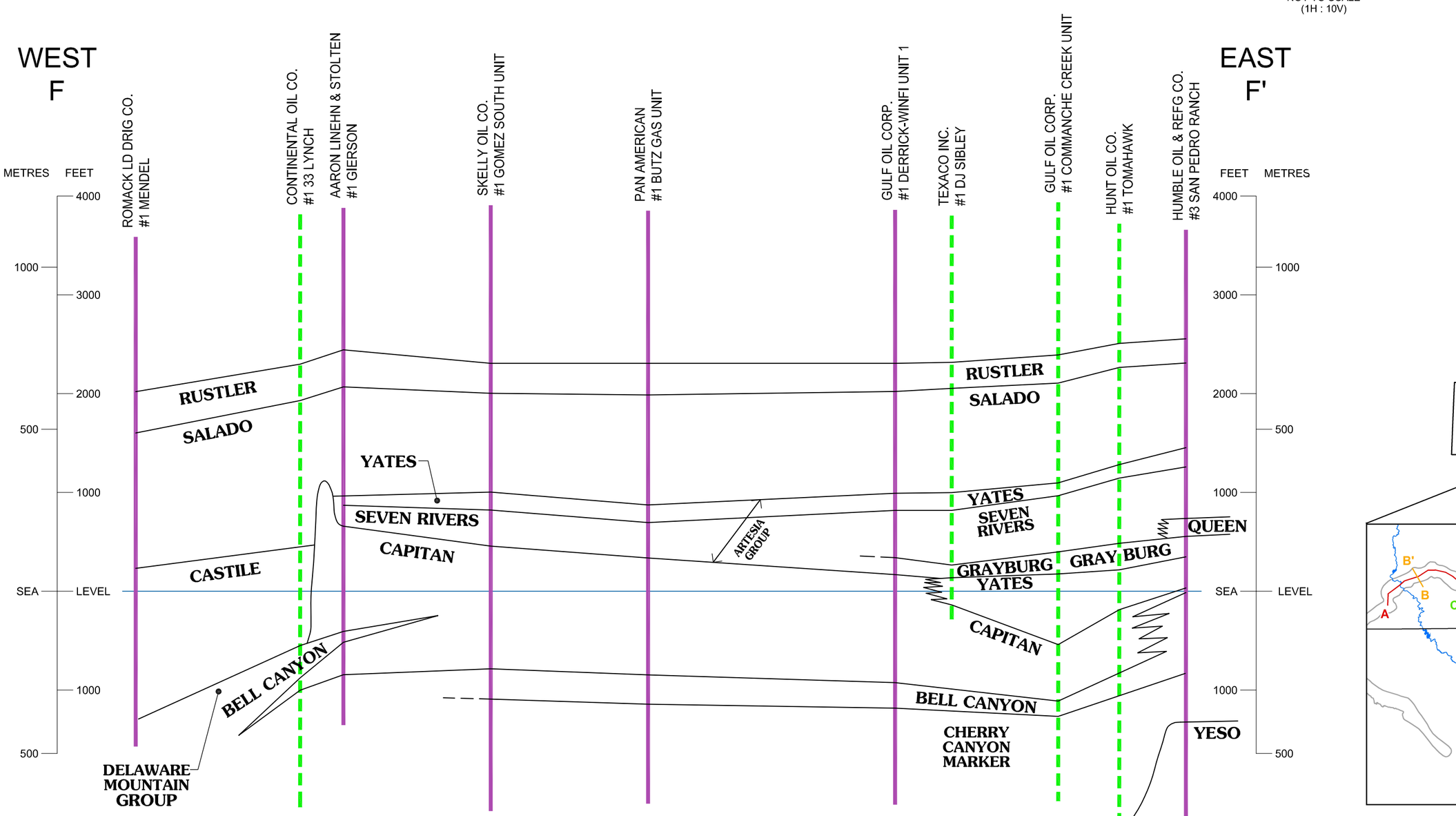
Figure 18
Stratigraphic Section E-E'
Across the Capitan Reef Complex and Aquifer
Ochoa Mine Hydrogeologic Impact Assessment



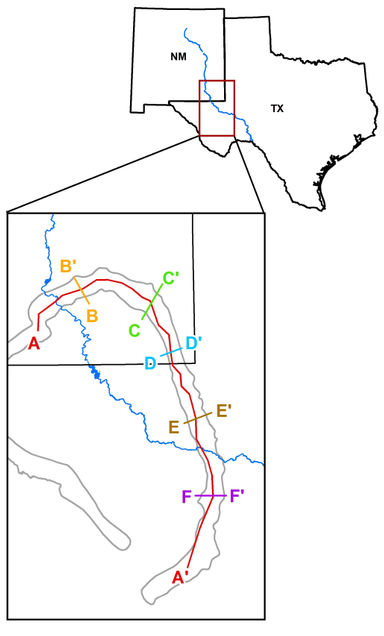
HISS SECTION
Source: Hiss, 1975, Figure 7



INTERA Section
NOT TO SCALE
(1H : 10V)



LAMB SECTION



INTERA

Figure 19
Stratigraphic Section F-F'
Across the Capitan Reef Complex and Aquifer
Ochoa Mine Hydrogeologic Impact Assessment

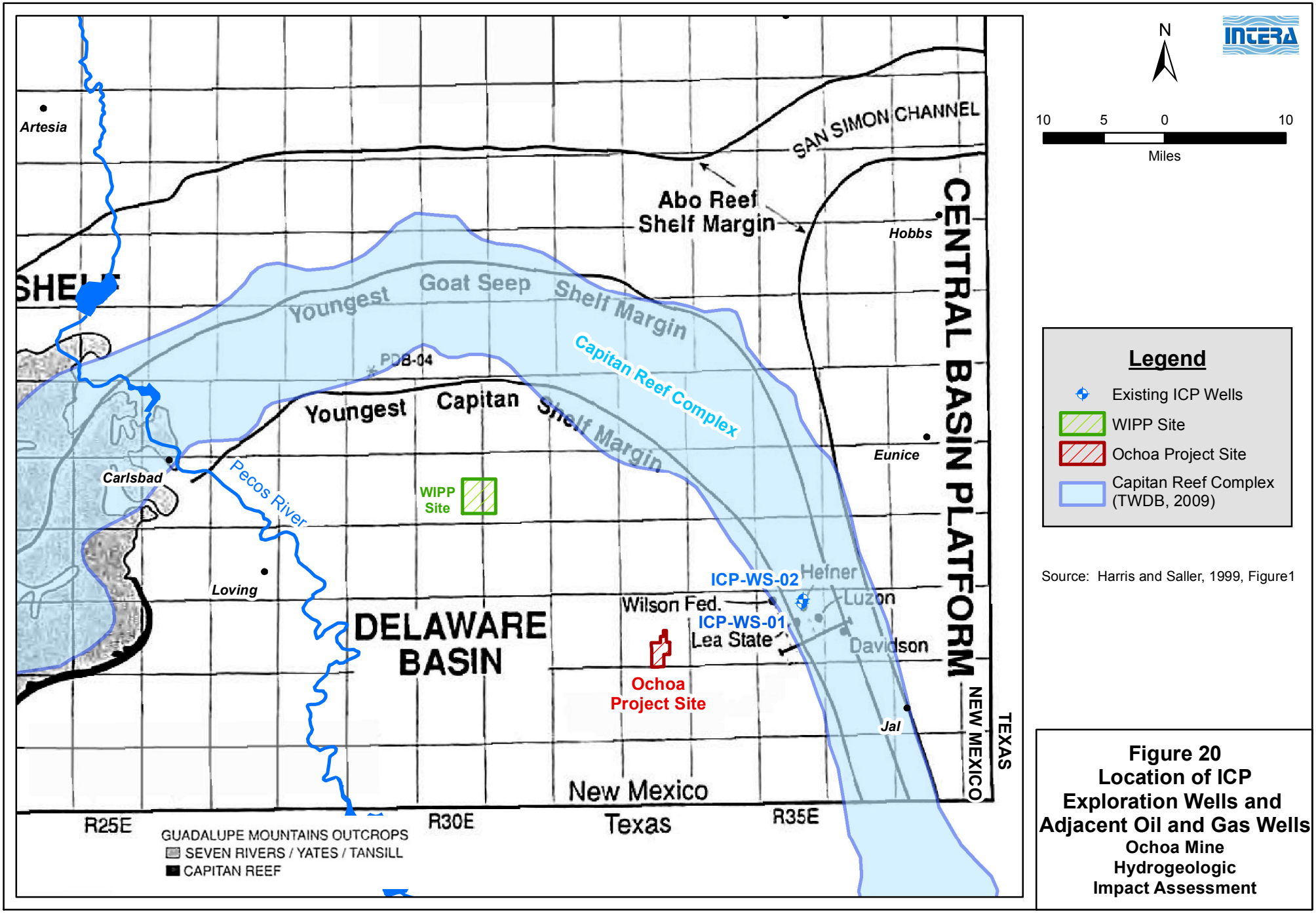
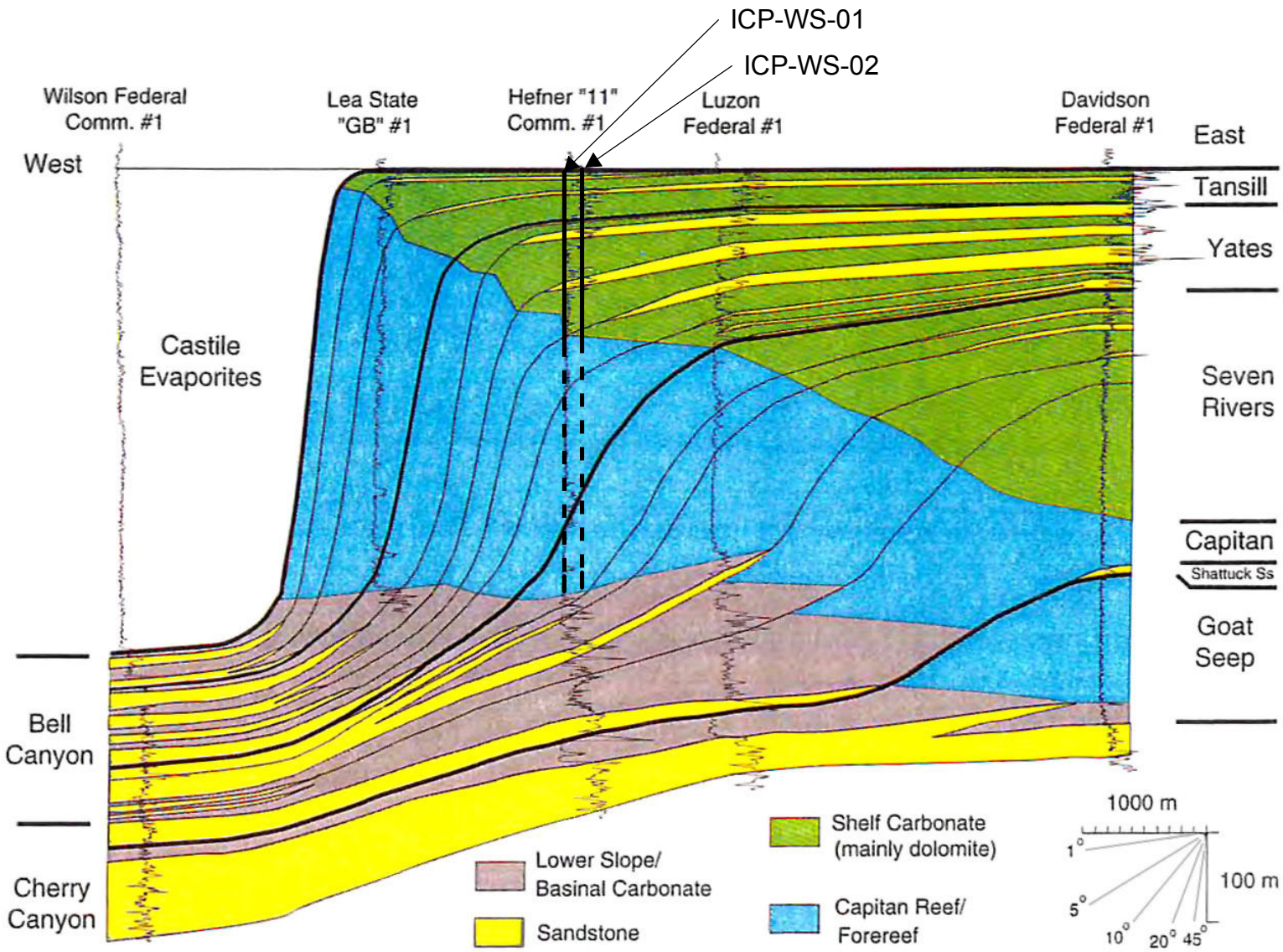


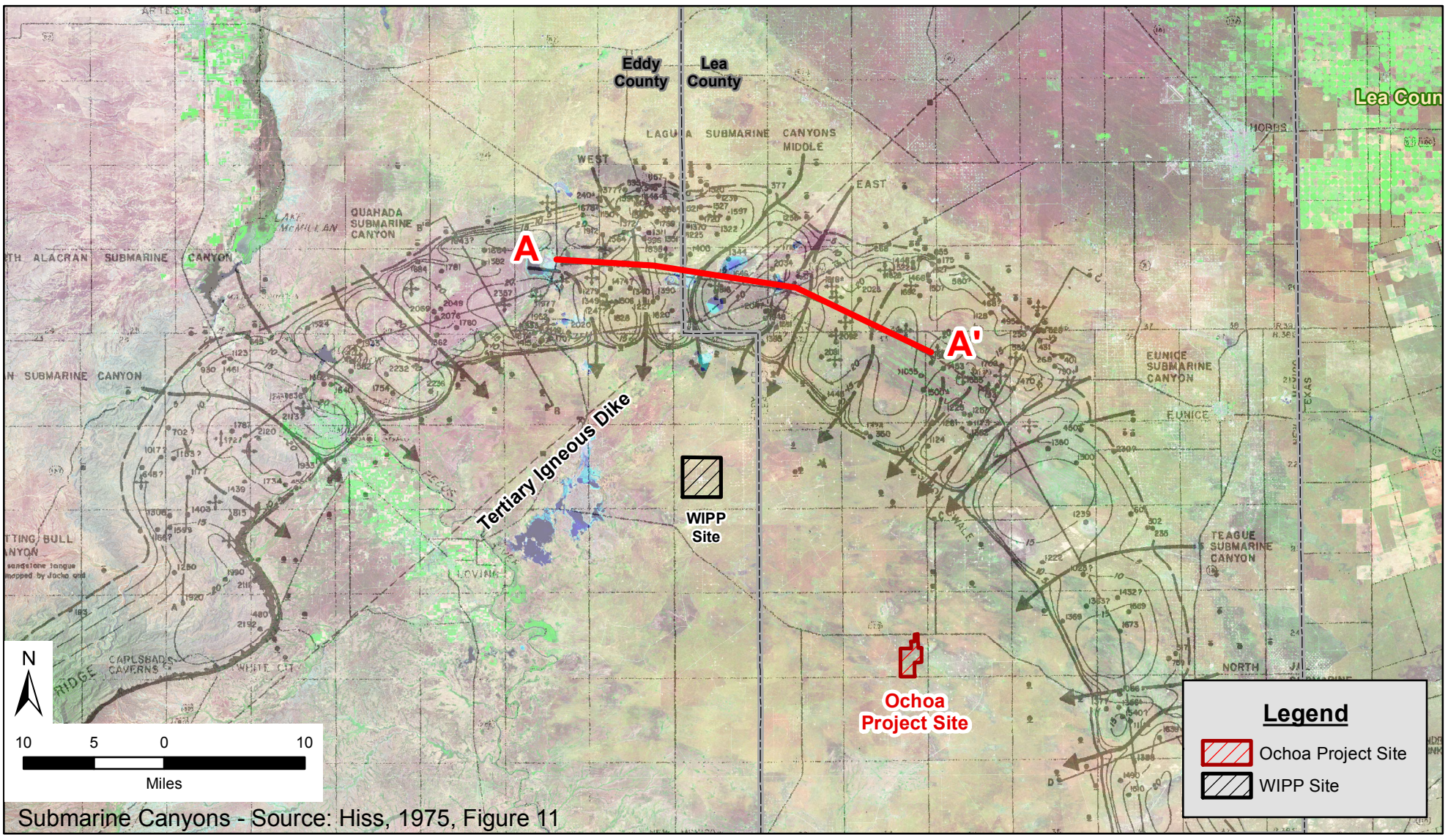
Figure 20
Location of ICP Exploration Wells and Adjacent Oil and Gas Wells
Ochoa Mine Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure20_Shelfs.mxd 9/11/2012

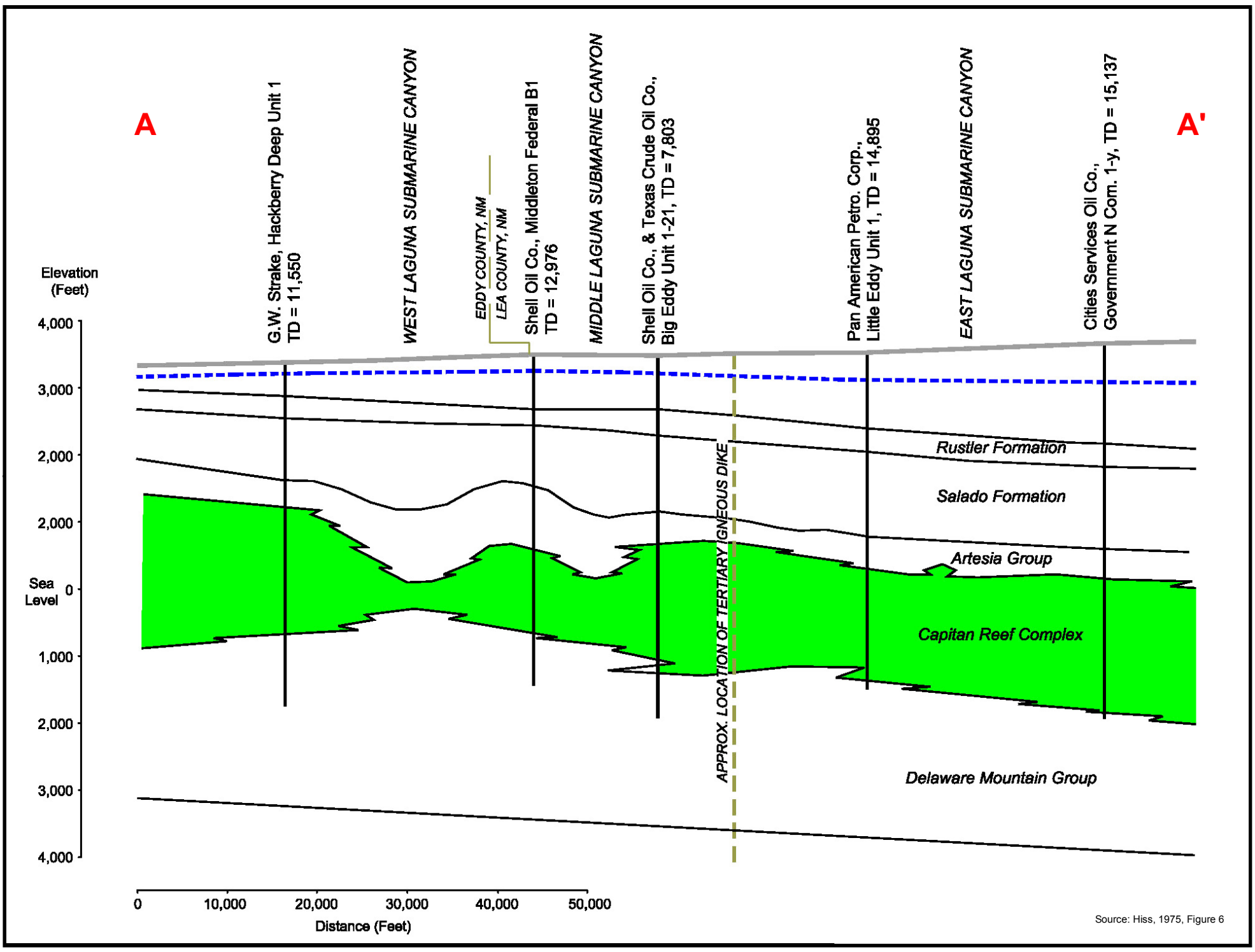


Source: Harris and Saller, 1999, Figure 7

Figure 21
Stratigraphic Cross Section of Capitan Depositional System
Ochoa Mine
Hydrogeologic Impact Assessment



Submarine Canyons - Source: Hiss, 1975, Figure 11

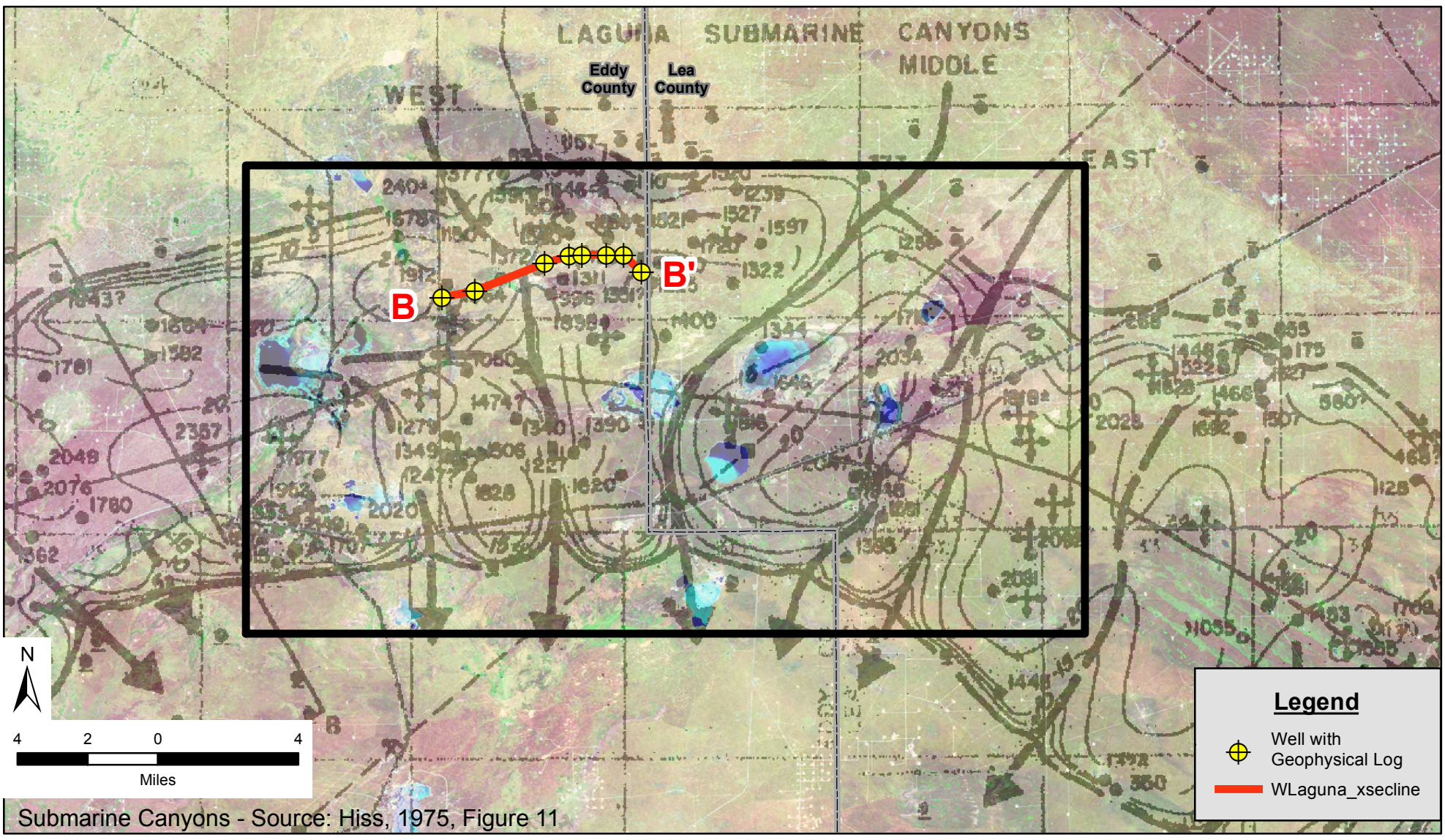


Source: Hiss, 1975, Figure 6

Figure 22
Laguna Submarine Canyons
As Presented by Hiss (1975)
Ochoa Mine
Hydrogeologic Impact Assessment

INTERA

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure22_SubmarineCanyons.mxd 7/9/2013



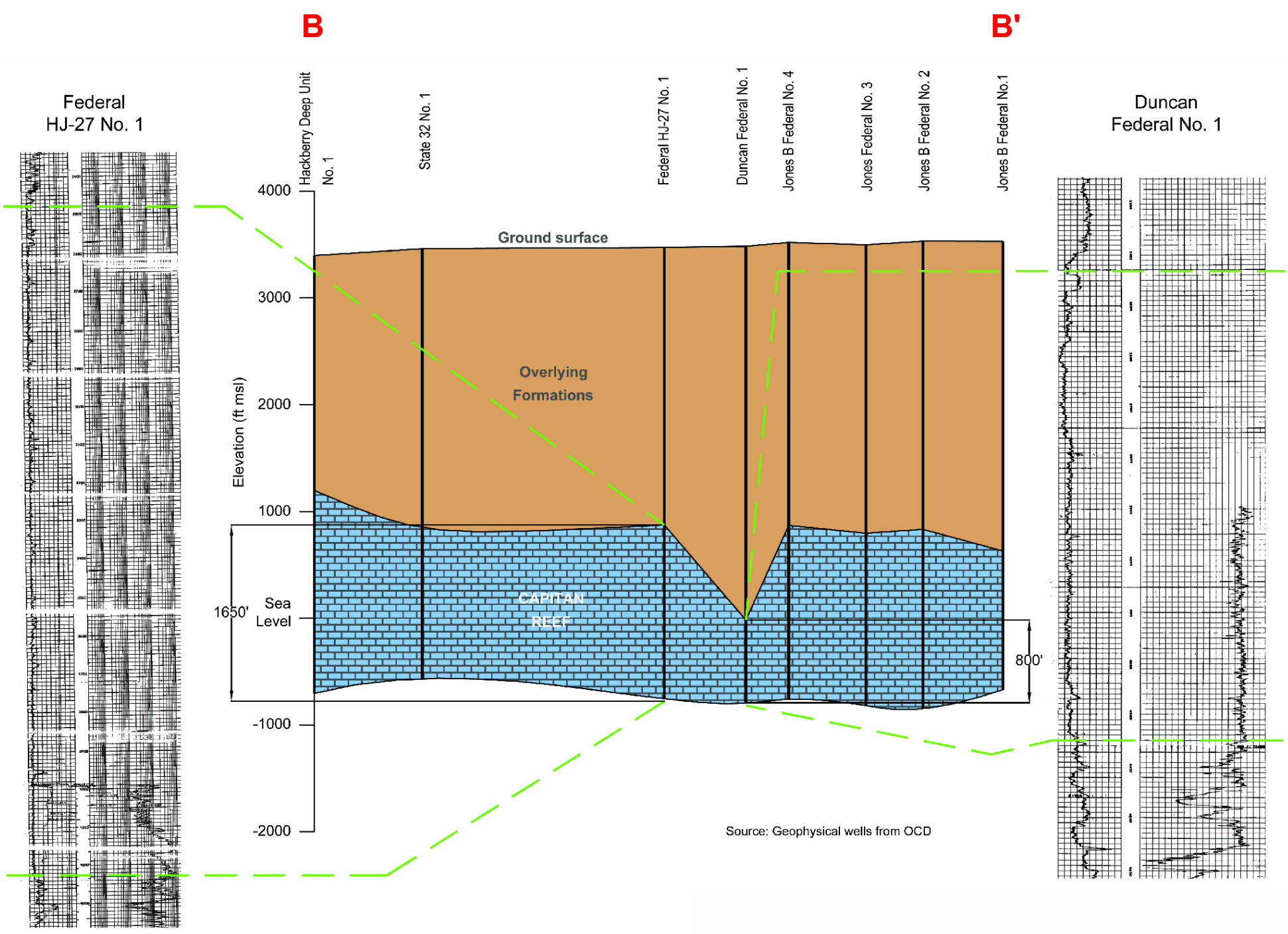
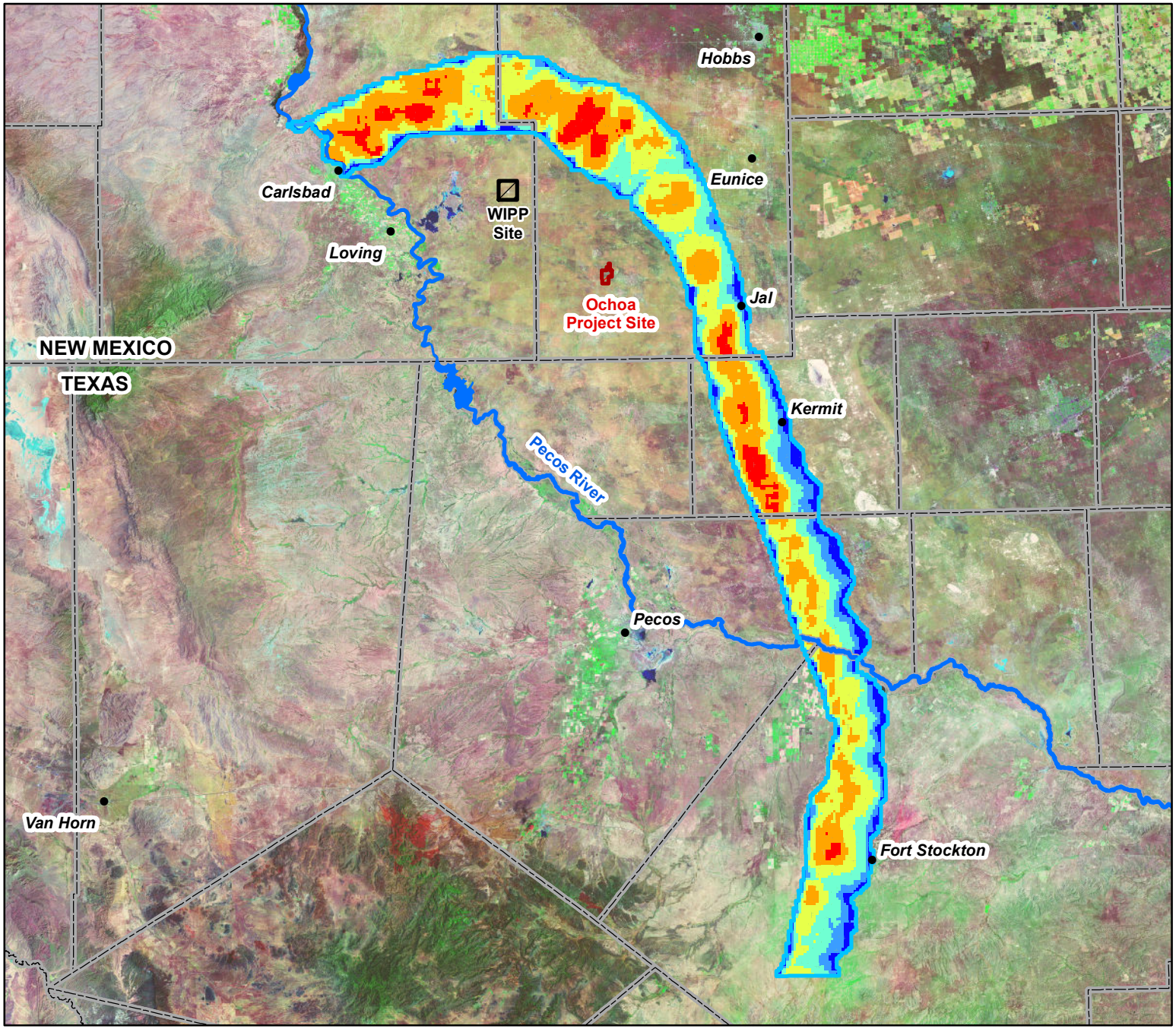


Figure 23
Detailed Analysis of West Laguna Submarine Canyon
Ochoa Mine
Hydrogeologic Impact Assessment

INTERA

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure23_WLagunaSubCanyon.mxd 7/9/2013



N

20 10 0 20

Miles

Legend

- Model Domain
- Ochoa Project Site
- WIPP Site

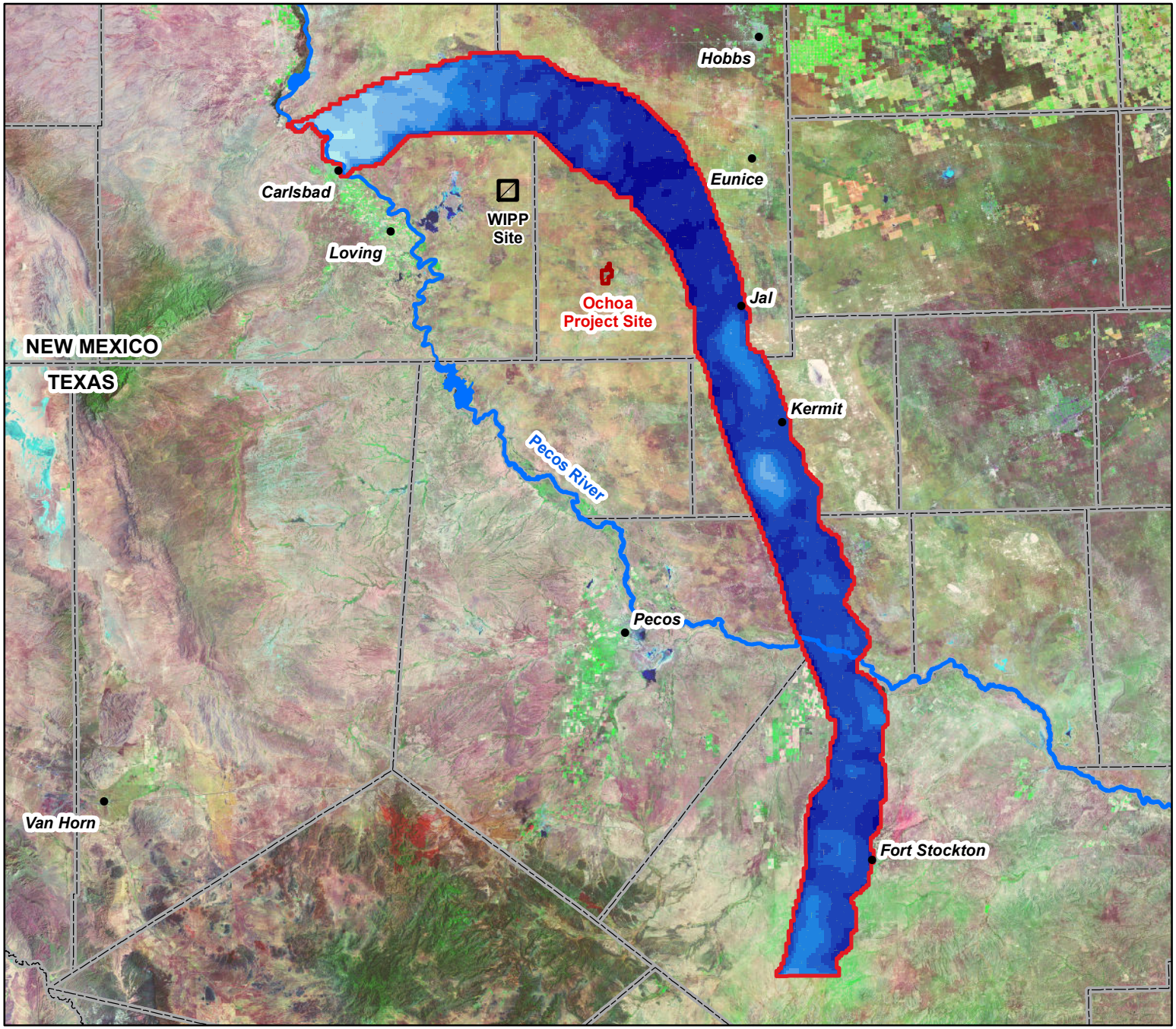
Capitan Aquifer Thickness (ft)

- 50 - 200
- 201 - 500
- 501 - 1,000
- 1,001 - 1,500
- 1,501 - 2,000
- 2,001 - 2,500

Source: Hiss, 1975

Figure 24
Thickness of the Capitan Aquifer
Ochoa Mine Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure24_CapitanThickness.mxd 7/12/2013



N

20 10 0 20

Miles

Legend

- Model Domain
- Ochoa Project Site
- WIPP Site

Capitan Aquifer Depth (ft)

- 0 - 500
- 501 - 1,000
- 1,001 - 1,500
- 1,501 - 2,000
- 2,001 - 2,500
- 2,501 - 3,000
- 3,001 - 3,500
- 3,501 - 4,500
- 4,501 - 5,500

Figure 25
Depth to the Top of the Capitan Aquifer
Ochoa Mine Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure25_CapitanDepthFullGrid.mxd 7/11/2013

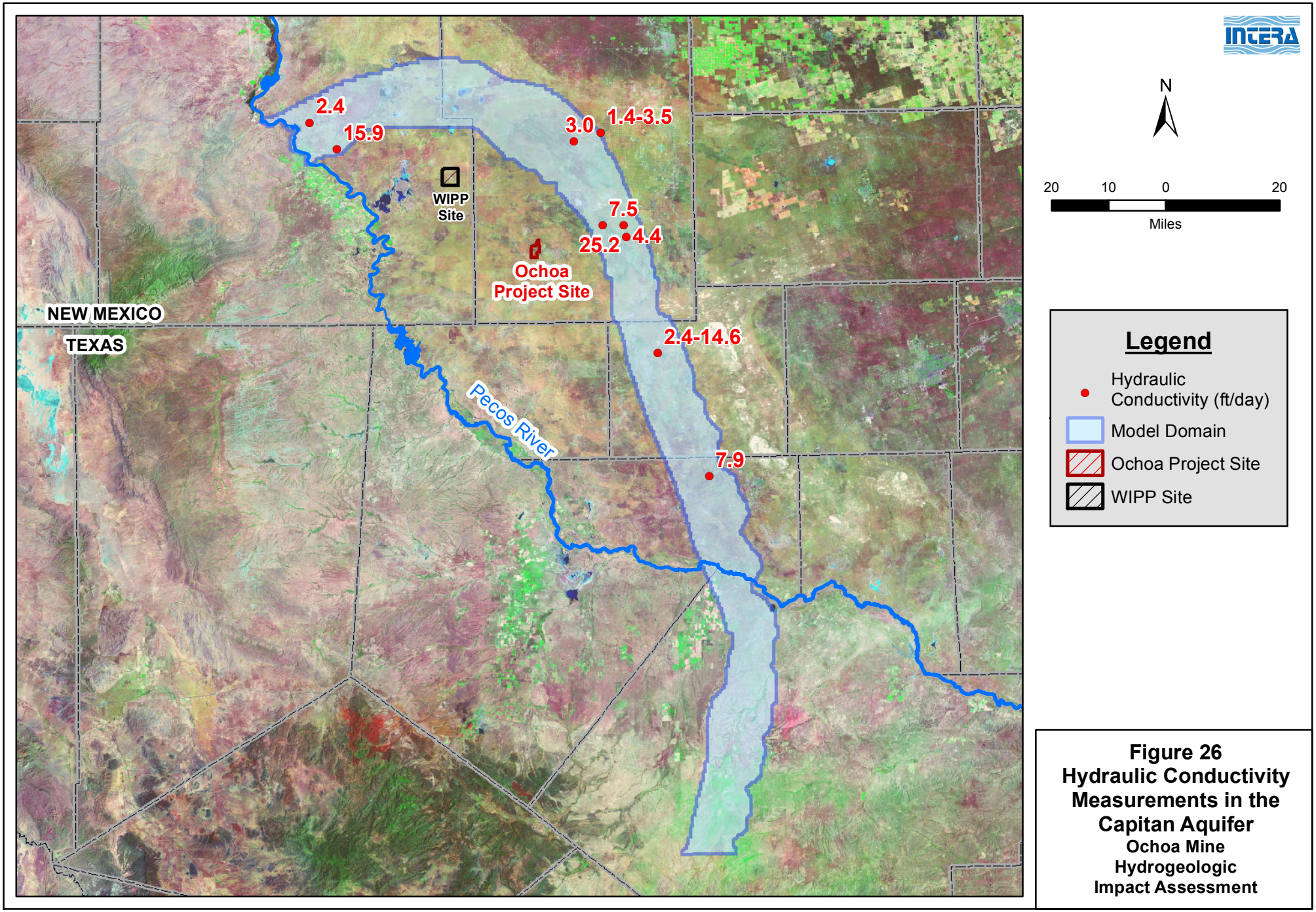
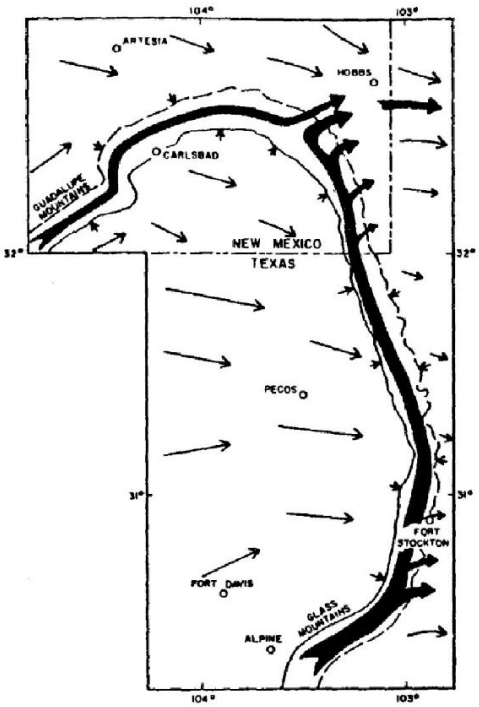
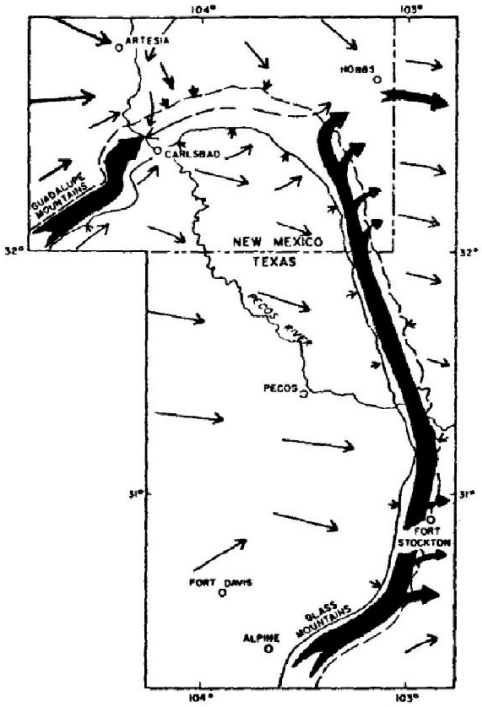


Figure 26
Hydraulic Conductivity Measurements in the Capitan Aquifer
Ochoa Mine Hydrogeologic Impact Assessment

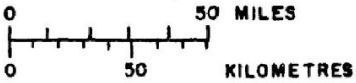
S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure26_Conductivity_Capitan_Aquifer.mxd 7/11/2013



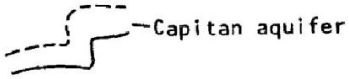
A. Regimen principally controlled by regional tectonics prior to development of the Pecos River.



B. Regimen influenced by erosion of Pecos River at Carlsbad downward into hydraulic communication with the Capitan aquifer.

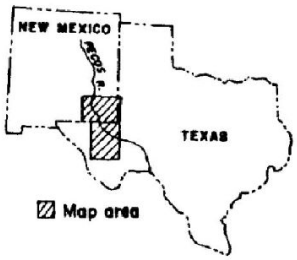


EXPLANATION

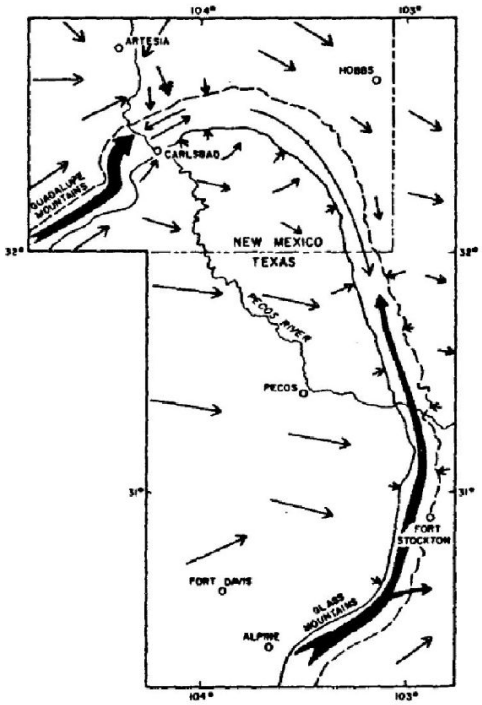


Highly diagrammatic ground-water flow vectors:

1. Vector size indicates relative volume of ground-water flow.
2. Orientation indicates direction of ground-water movement.



INDEX MAP



C. Regimen influenced by both communication with the Pecos River at Carlsbad and the exploitation of ground-water and petroleum resources.

Figure 27
Flow Regimes
of the Capitan Aquifer
Ochoa Mine
Hydrogeologic Impact Assessment

INTERA

Source: Hiss, 1975, Figure 35.

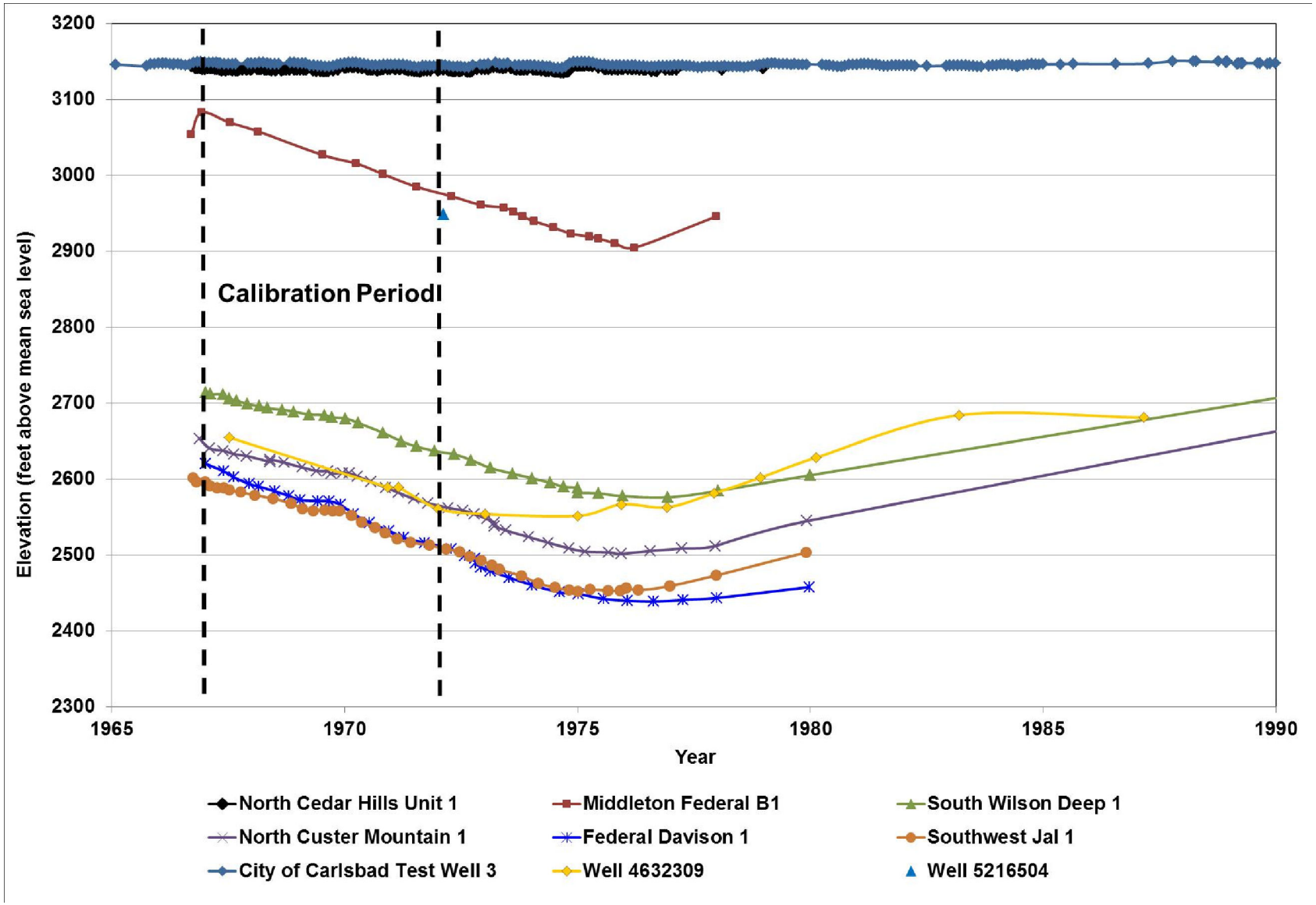


Figure 28
Water Levels in the Capitan Aquifer
Ochoa Mine
Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure28_WaterLevels.mxd 9/11/2012

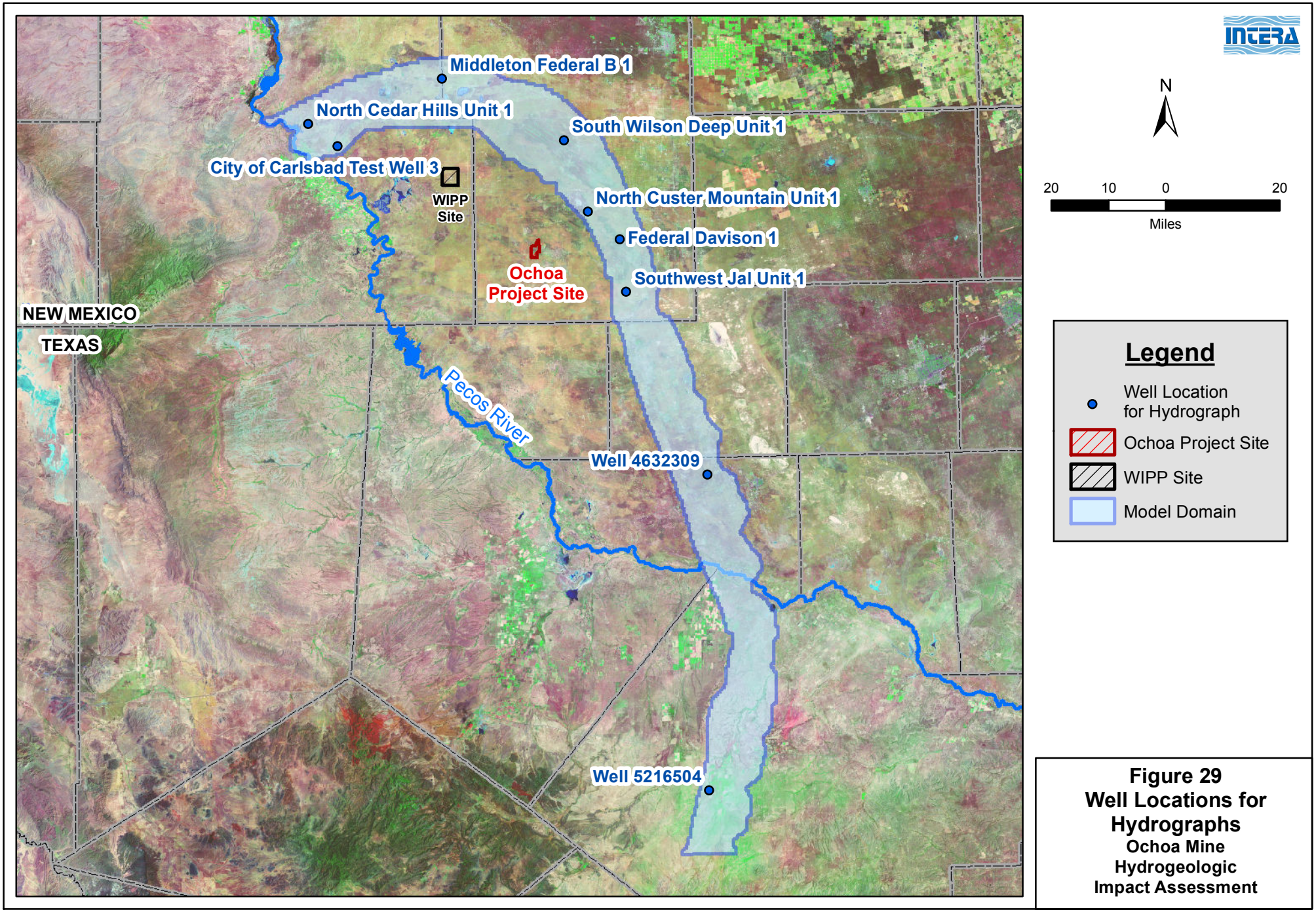


Figure 29
Well Locations for Hydrographs
Ochoa Mine Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure29_WellLocationHydro.mxd 7/11/2013

N

30 15 0 30

Miles

Legend

- Hiss (1973) Well
- USGS Database Well
- TWDB Database Well
- Ochoa Project Site
- WIPP Site
- Capitan Reef Complex Outcrop (TWDB, 2009)
- Capitan Reef Complex (TWDB, 2009)

Figure 30
Well Locations with Water Levels in the Capitan Aquifer
Ochoa Mine Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure30_WellLocationWL.mxd 7/9/2013

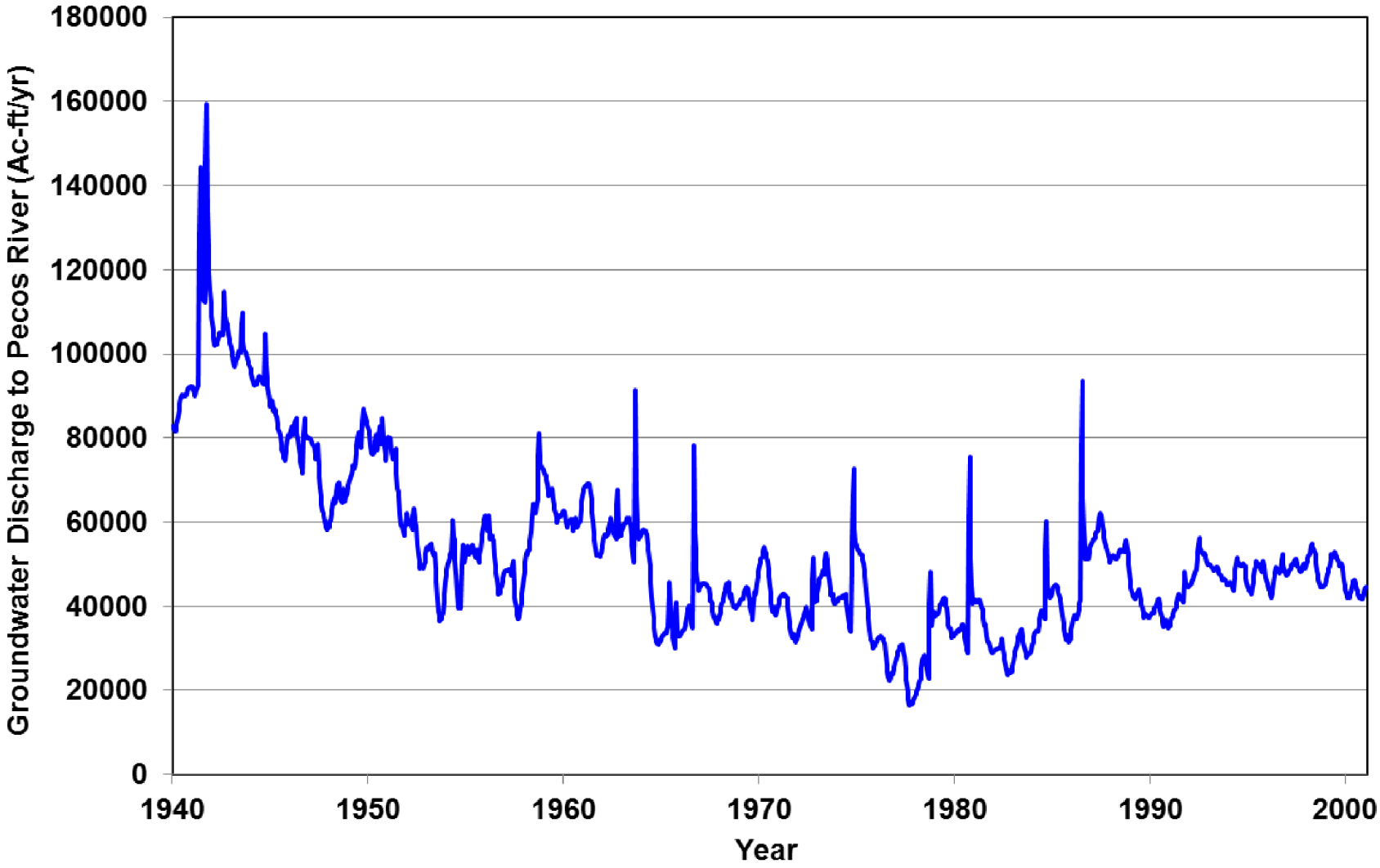


Figure 31
Groundwater Discharge to Pecos River
Based on CAGW Model
Ochoa Mine
Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure31_PecosFlows.mxd 7/12/2013

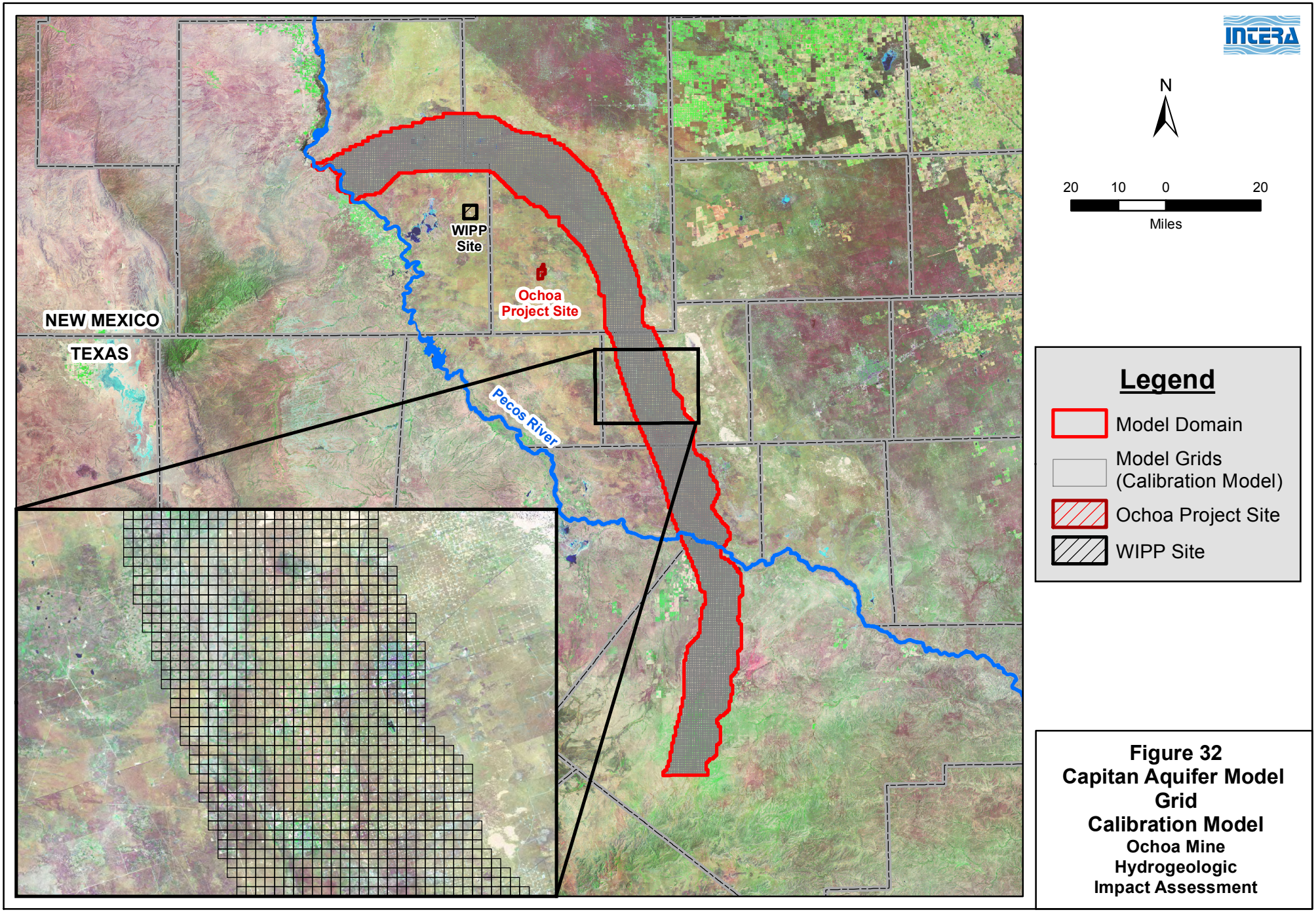
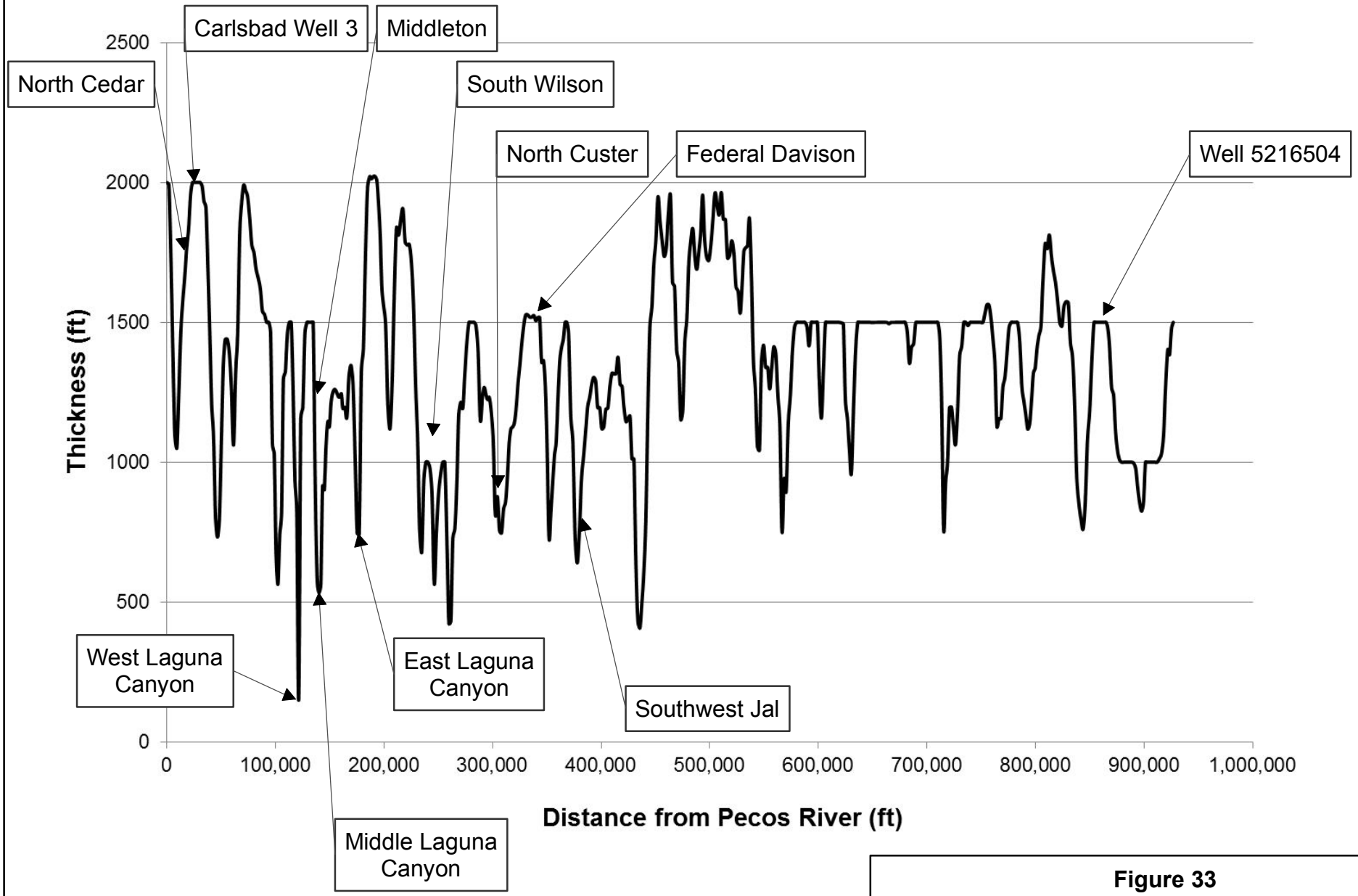


Figure 32
Capitan Aquifer Model Grid
Calibration Model
Ochoa Mine Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport\Figure32_CalibrationModelGrid.mxd 9/11/2012



See Figure 29 for well locations

Figure 33
Thickness Along Capitan Aquifer
Ochoa Mine
Hydrogeologic Impact Assessment

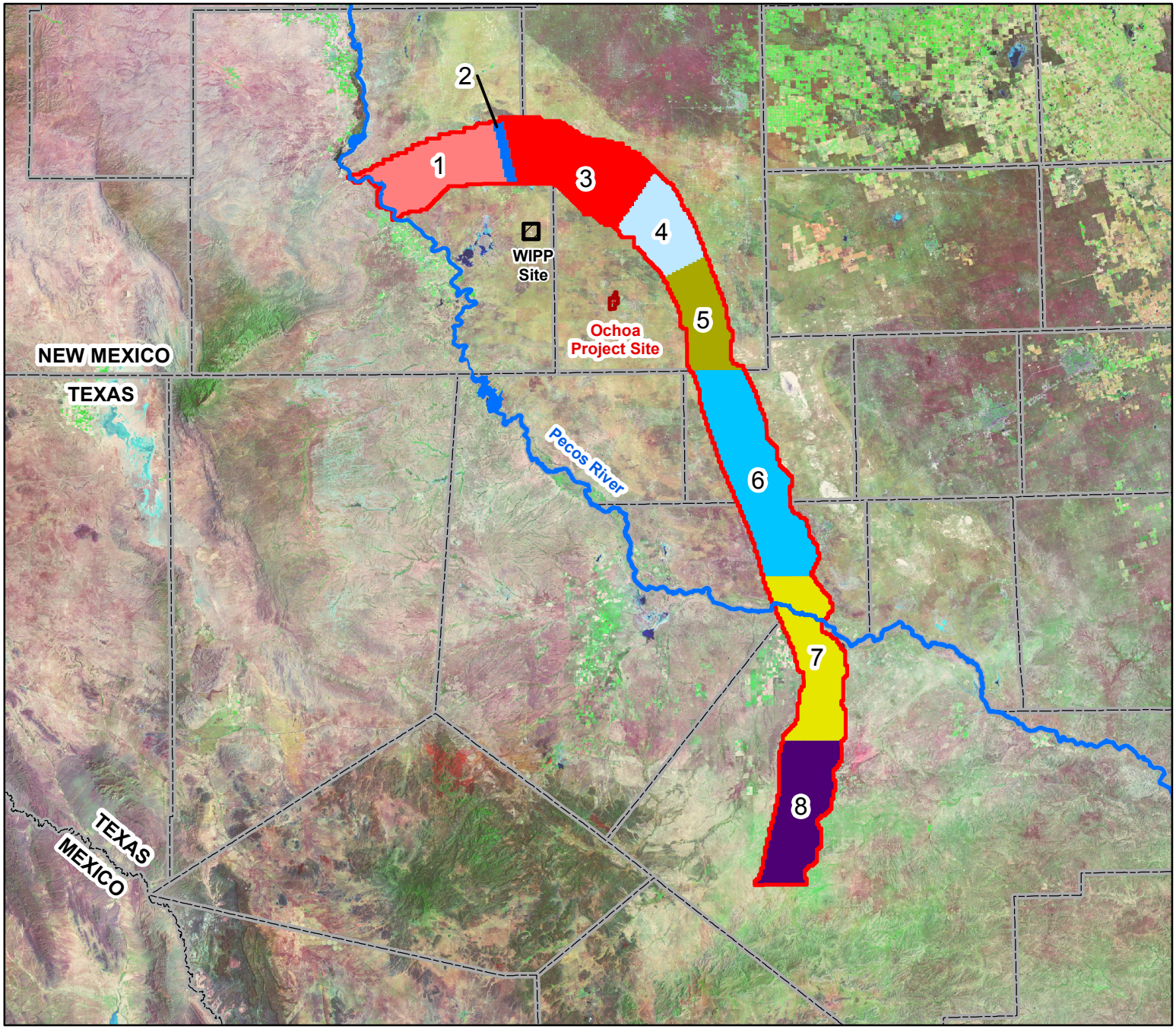


Figure 34
Capitan Aquifer Model Hydraulic Conductivity Zones
Ochoa Mine Hydrogeologic Impact Assessment

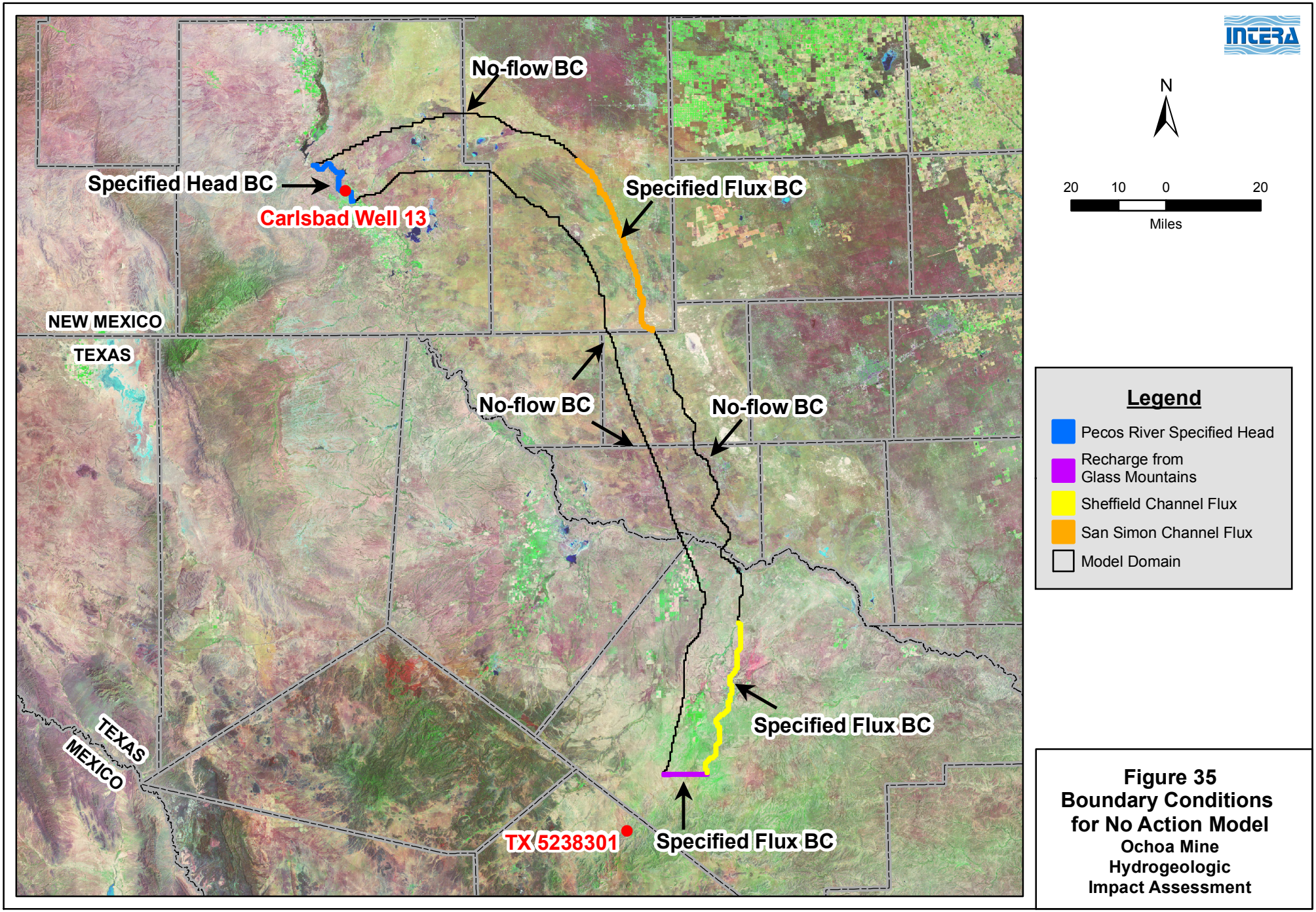
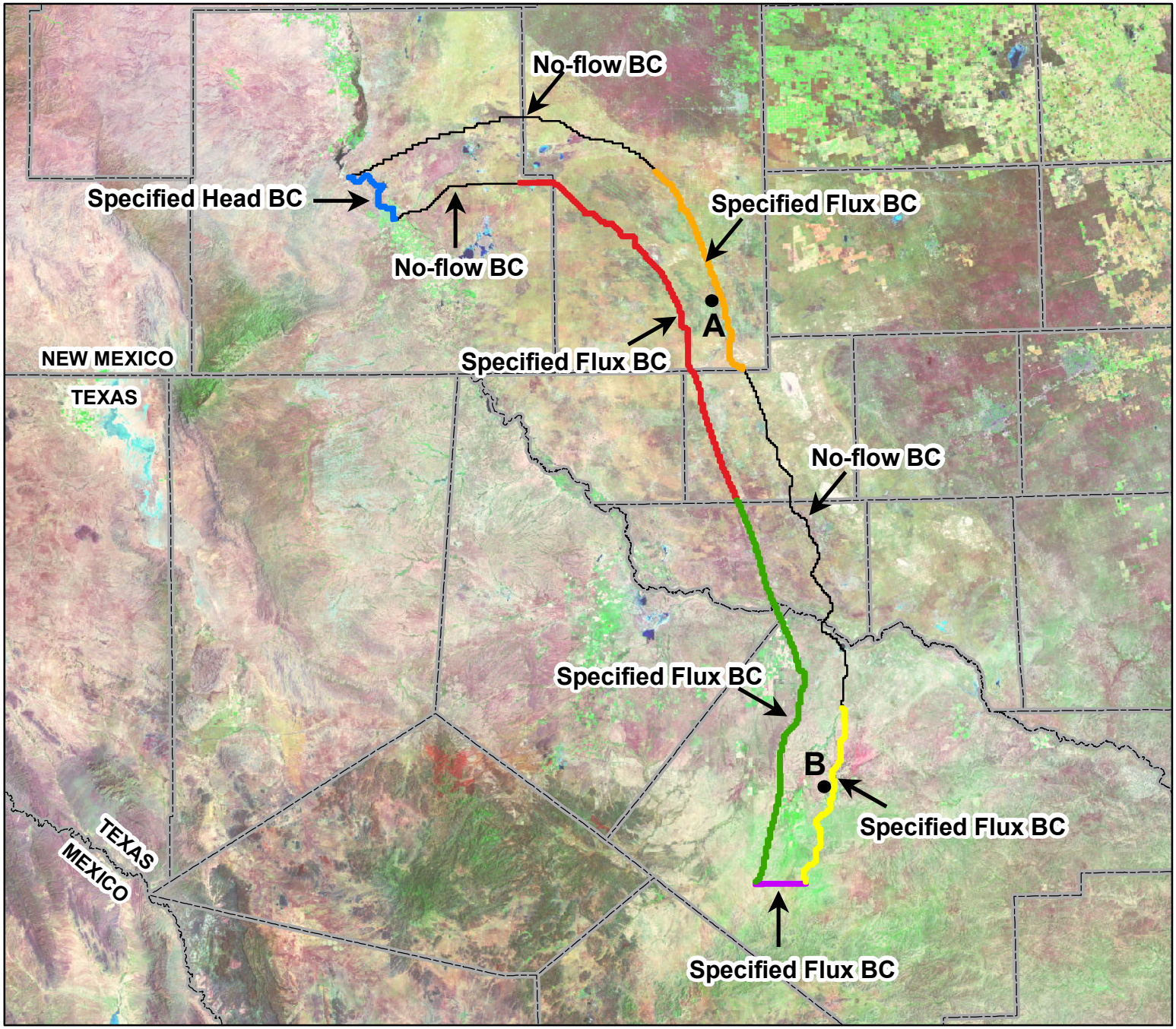


Figure 35
Boundary Conditions for No Action Model
Ochoa Mine Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport_R_2013\Figure35_BoundaryConditions.mxd 2/26/2013



N

20 10 0 20

Miles

Legend

- Pecos River Specified Head
- Recharge from Glass Mountains
- Sheffield Channel Flux
- San Simon Channel Flux
- Basin North Flux
- Basin South Flux
- Model Domain

Figure 36
Boundary Conditions for Calibration, Predictive, and Recovery Models
Ochoa Mine Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport_R_2013\Figure36_BoundaryConditions.mxd 2/26/2013

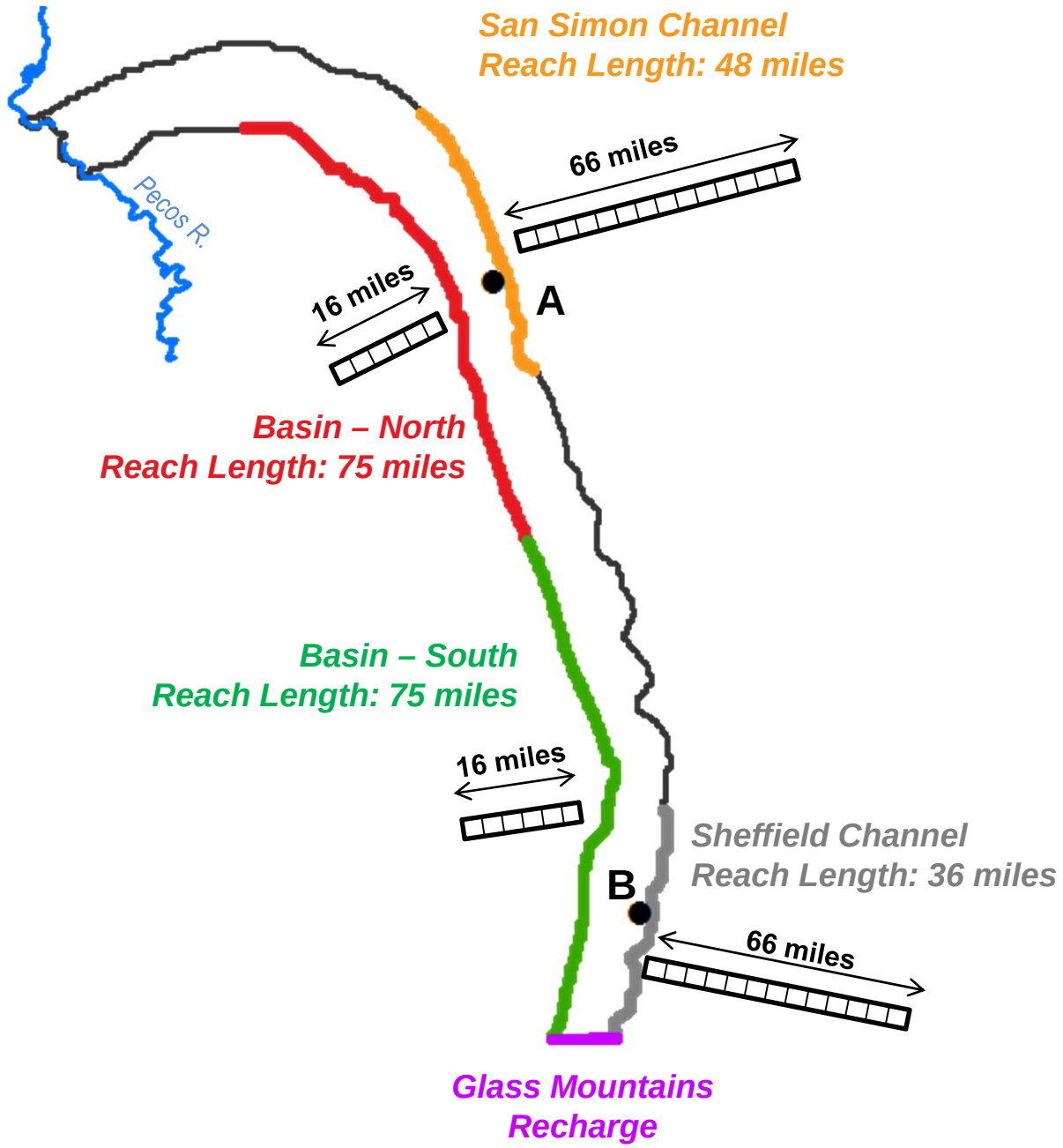


Figure 37
Representation of Basin and Back Reef Aquifers Using One-dimensional Models
Ochoa Mine
Hydrogeologic
Impact Assessment

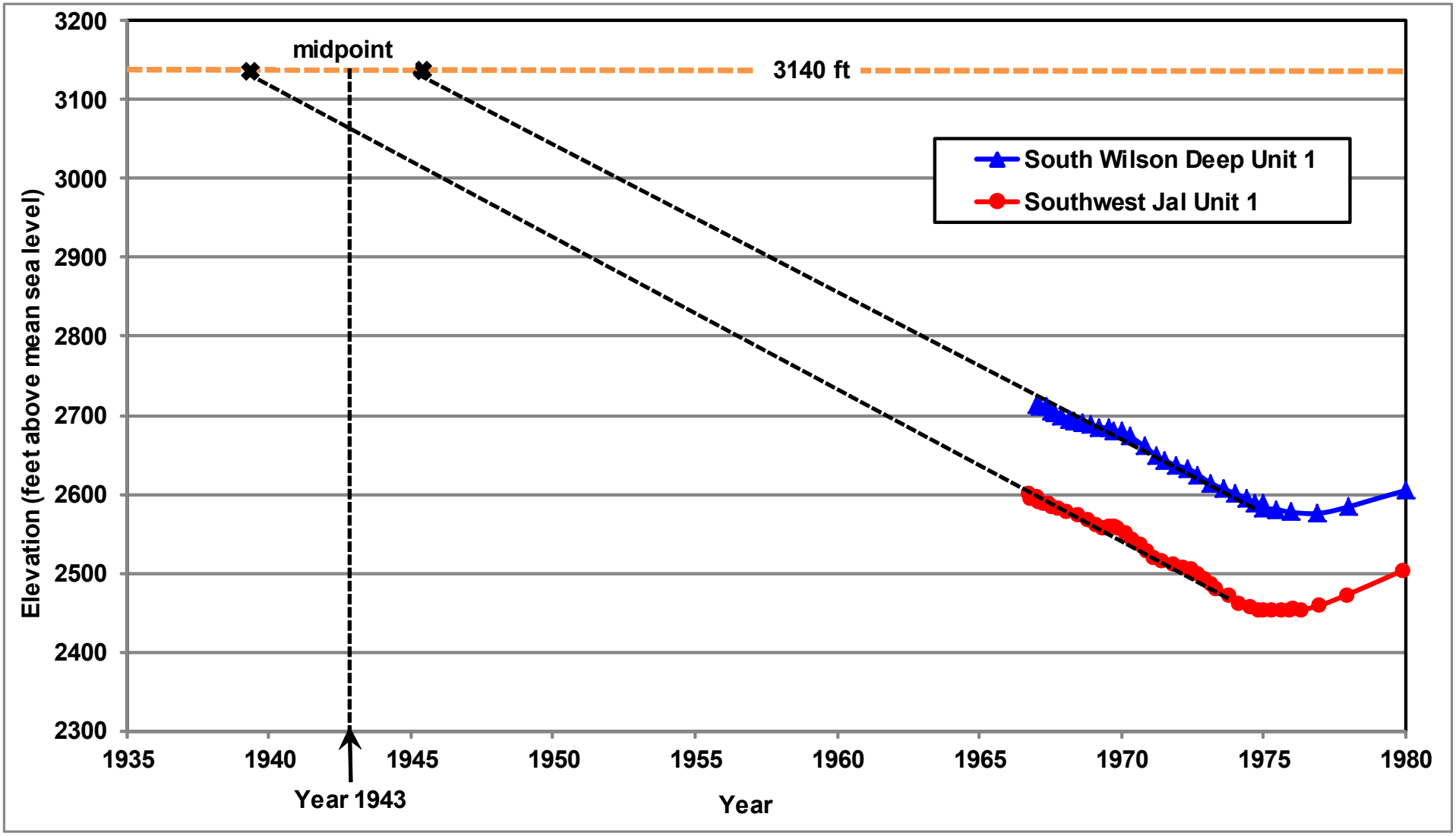
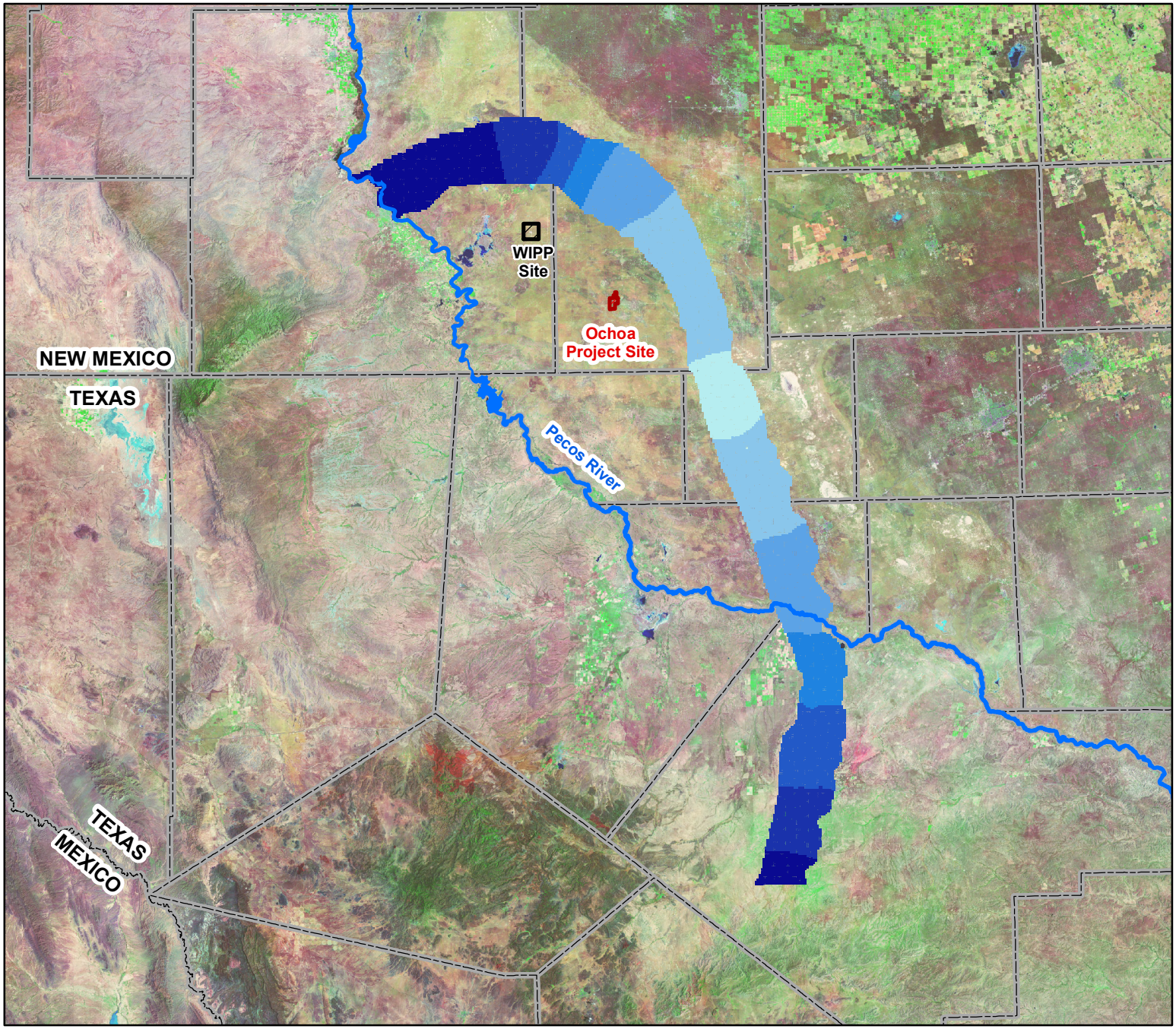


Figure 38
Determination of Start Time for 1D Model Simulations Used in the Calibration Model
Ochoa Mine
Hydrogeologic Impact Assessment

S:\Projects\ICP-001_Intercontinental_Potash\GIS\MapDocuments\Task9_4_2_FullModelReport_R_2013\Figure38_StartingDrawdown_Calibration.mxd 3/1/2013



N

20 10 0 20

Miles

Legend

- Ochoa Project Site
- WIPP Site

Calibration Model

Initial Head (ft)

- 2,500 - 2,600
- 2,600- 2,700
- 2,700 - 2,800
- 2,800 - 2,900
- 2,900 - 3,000
- 3,000 - 3,100
- 3,100 - 3,200

Figure 39
Initial Conditions
Used in Calibration Model
Ochoa Mine
Hydrogeologic
Impact Assessment

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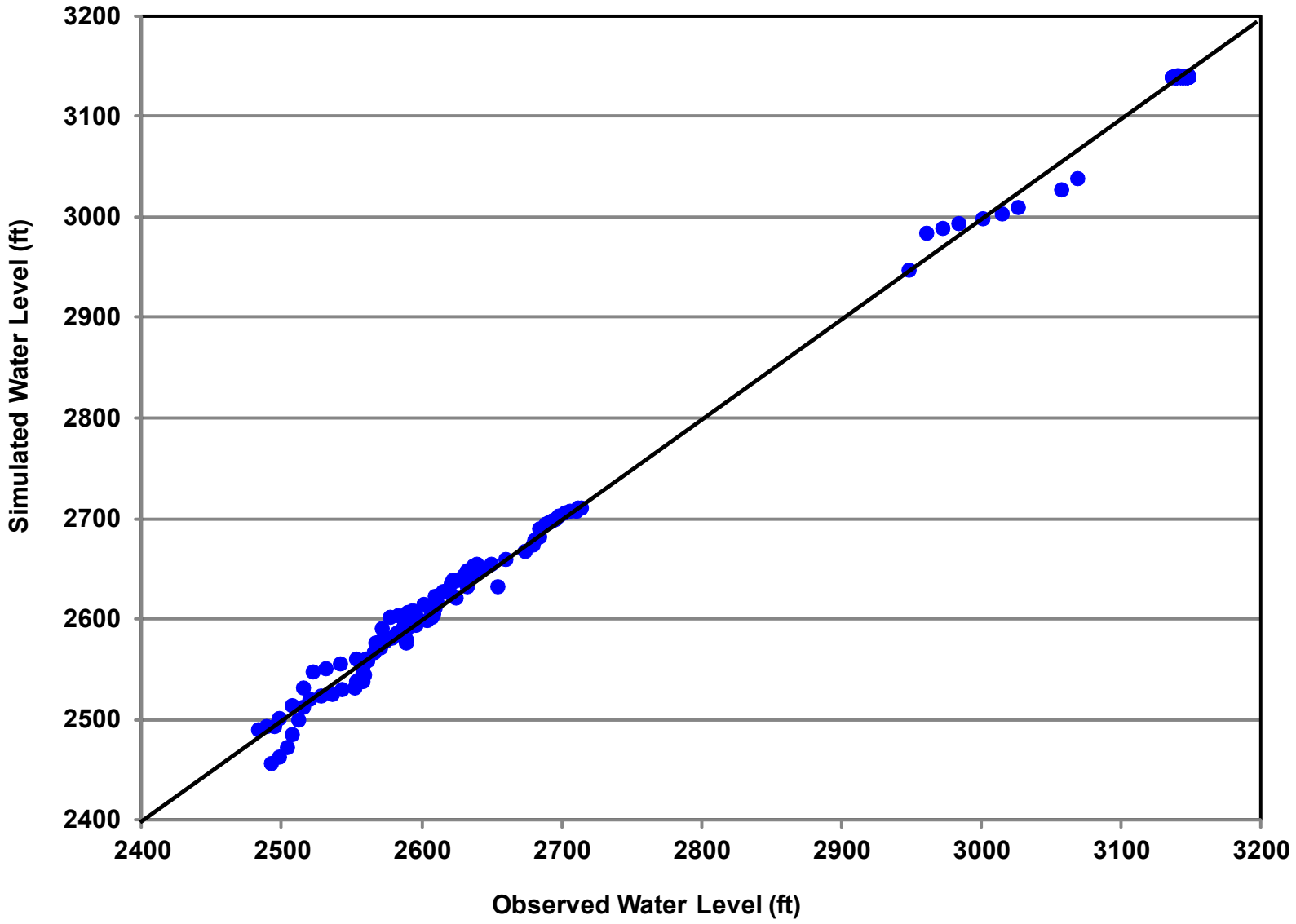

Figure 40
Simulated vs Observed
Hydraulic Head for Calibration Period
Ochoa Mine
Hydrogeologic Impact Assessment

INTERA

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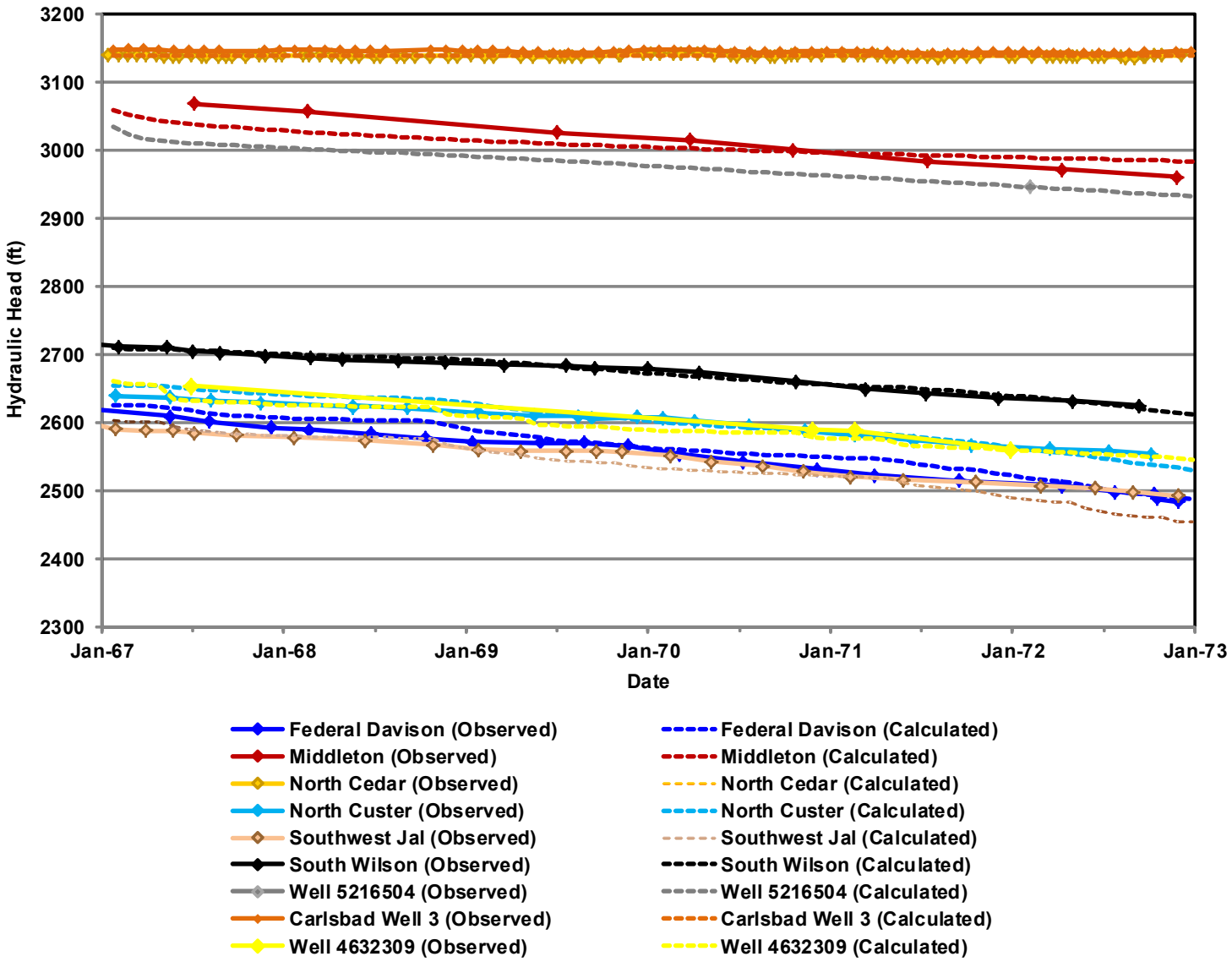

Figure 41
Simulated and Observed Hydrographs for Calibration Period
Ochoa Mine
Hydrogeologic Impact Assessment

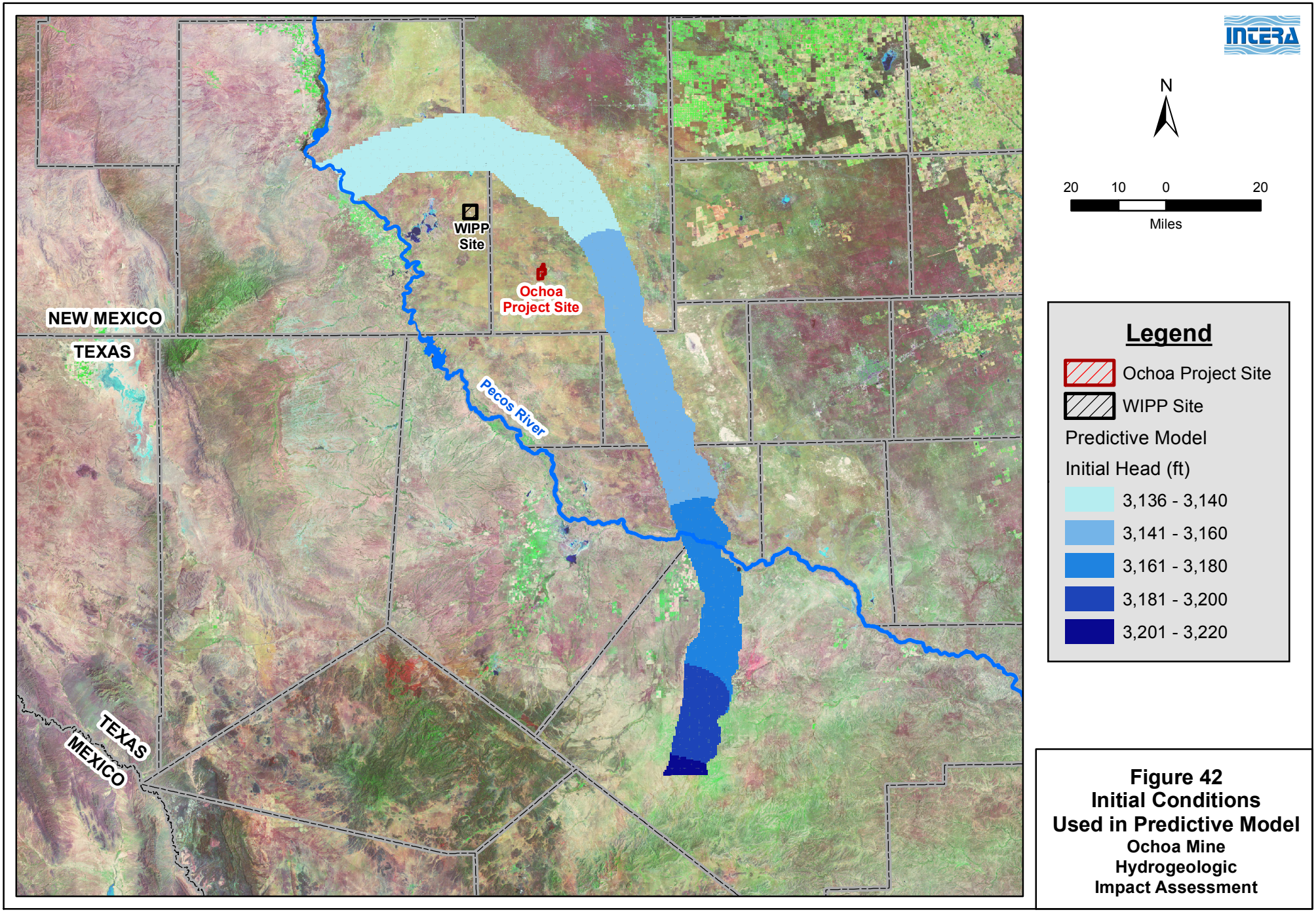

Figure 42
Initial Conditions Used in Predictive Model
Ochoa Mine Hydrogeologic Impact Assessment

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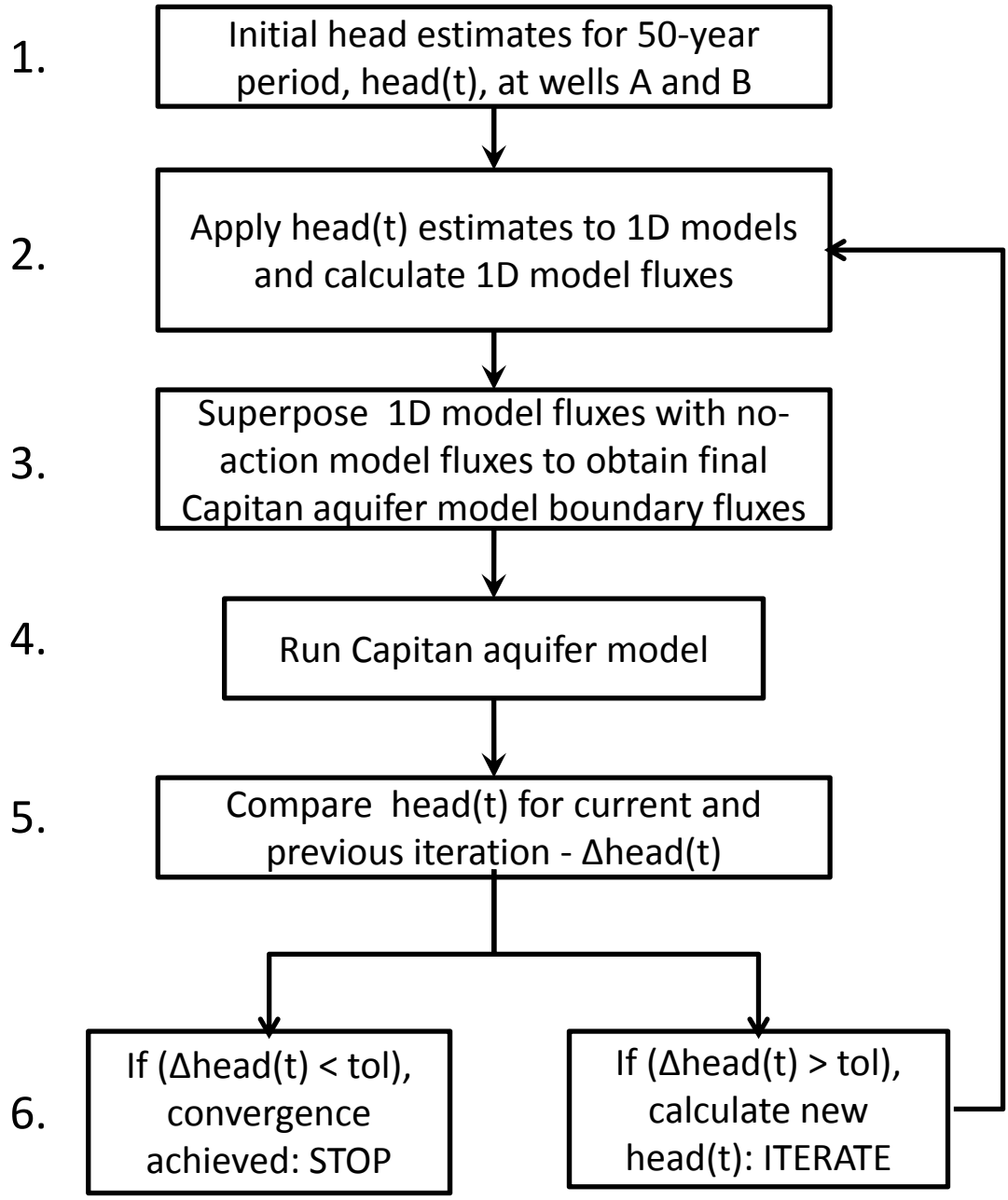

Figure 43
Procedure for running predictive model
Ochoa Mine Hydrogeologic Impact Assessment

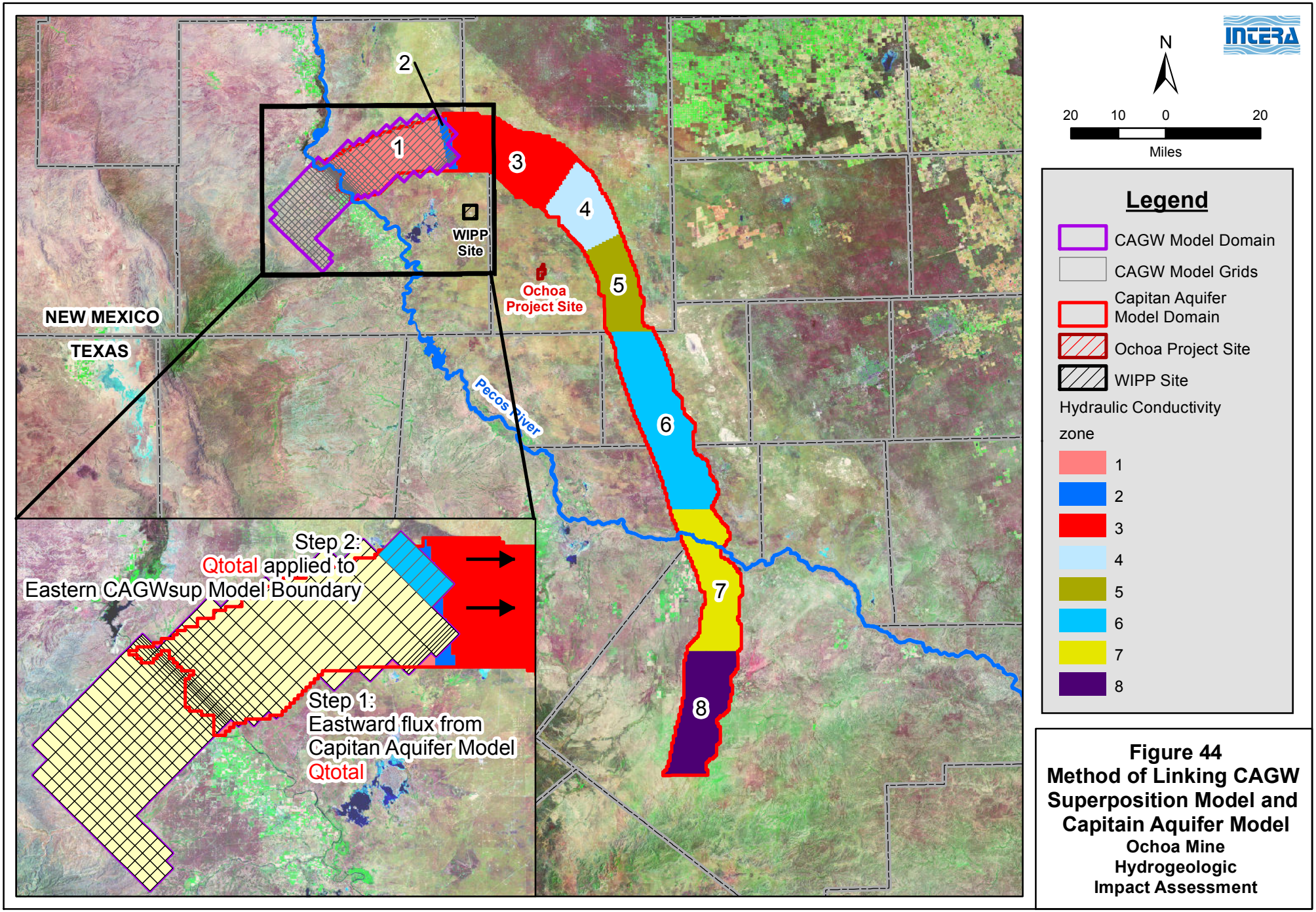

Figure 44
Method of Linking CAGW Superposition Model and Capitain Aquifer Model
Ochoa Mine Hydrogeologic Impact Assessment

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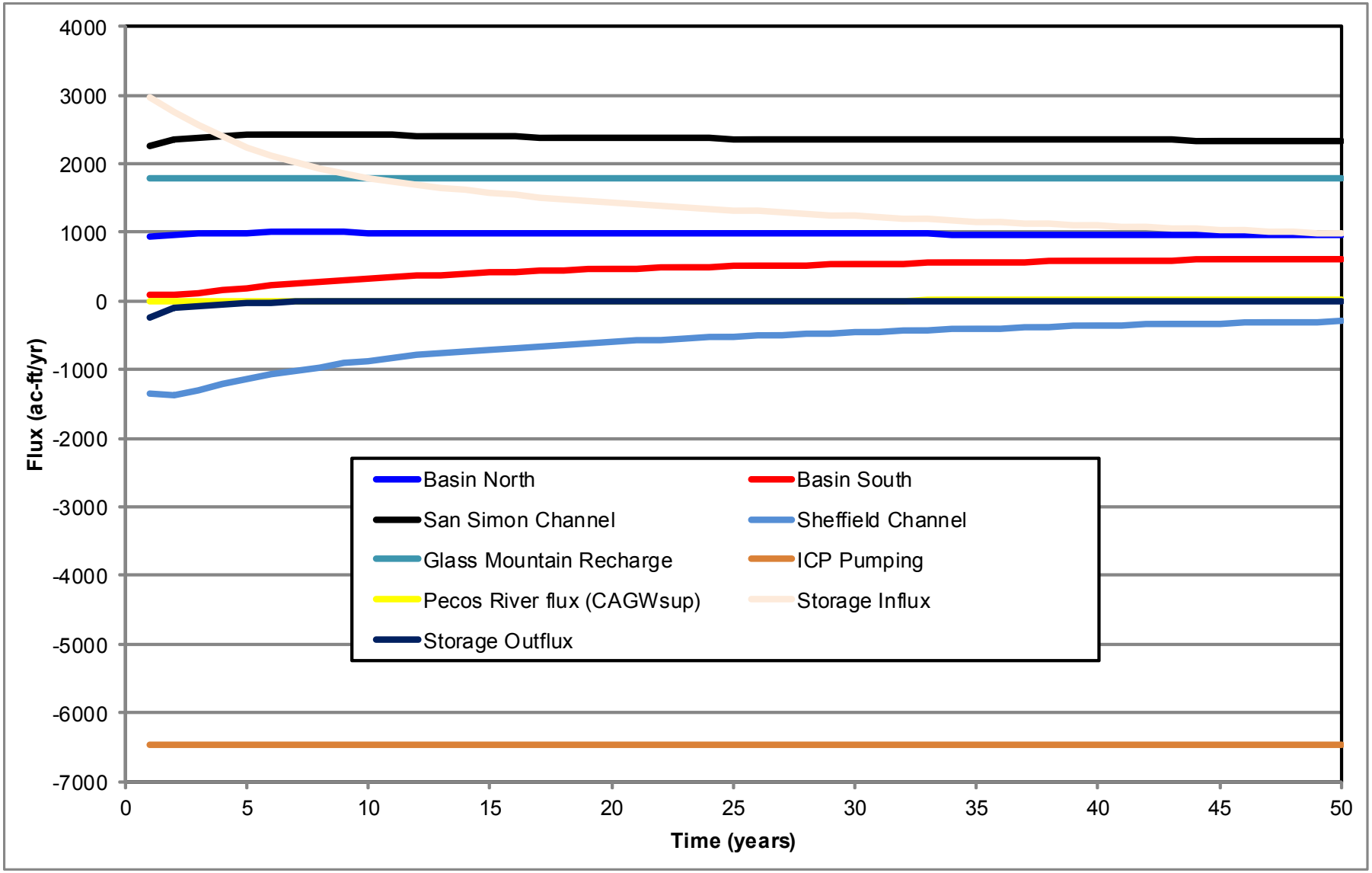

Figure 45
Flow components for
50-year pumping scenario
Ochoa Mine
Hydrogeologic Impact Assessment

INTERA

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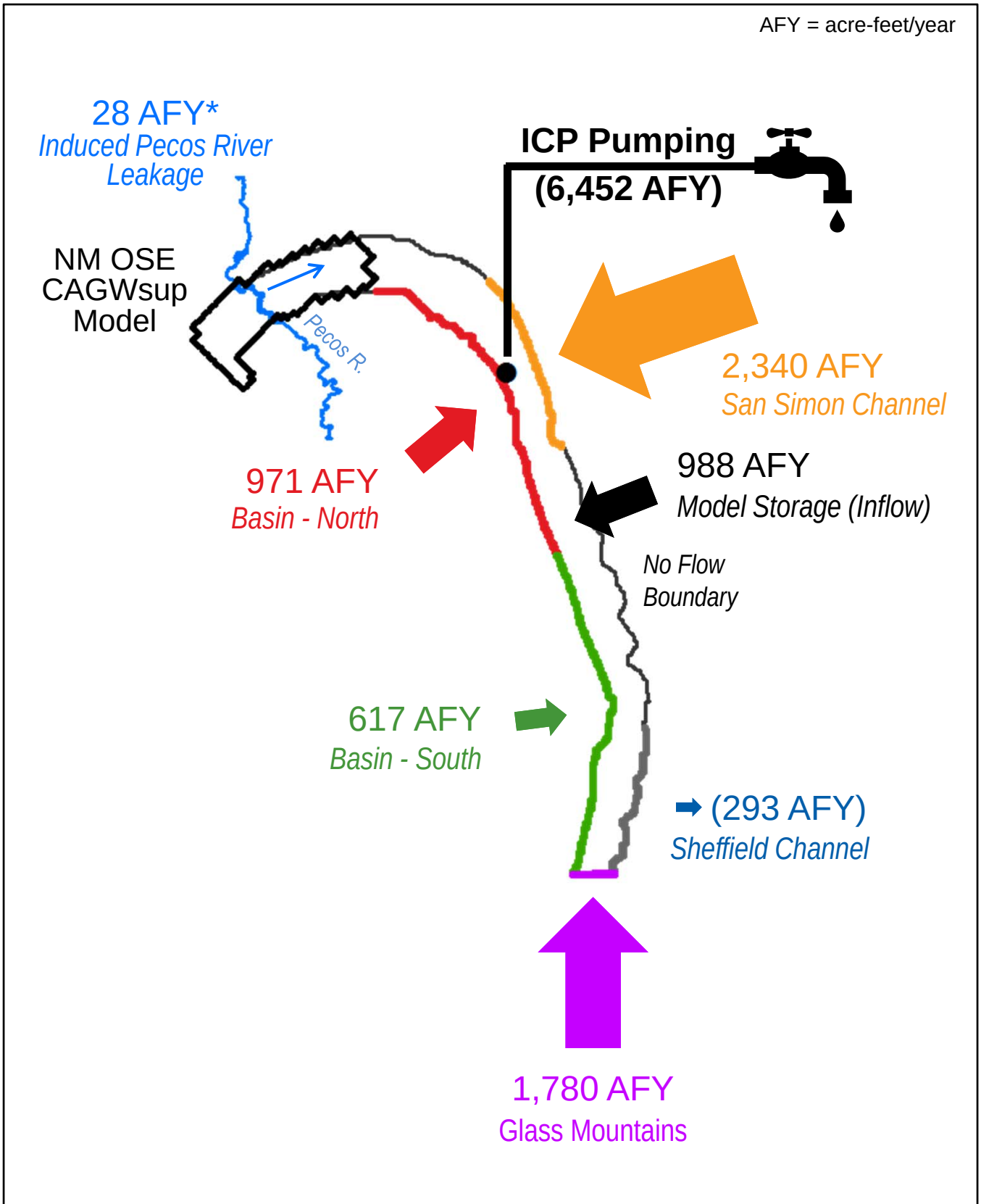

*Capitan Aquifer Model flux is 53 AFY: see text
NOTE: Flow values from the end of 50 years of pumping

Figure 46
Water Balance
After 50 Years of Pumping
Ochoa Mine
Hydrogeologic
Impact Assessment

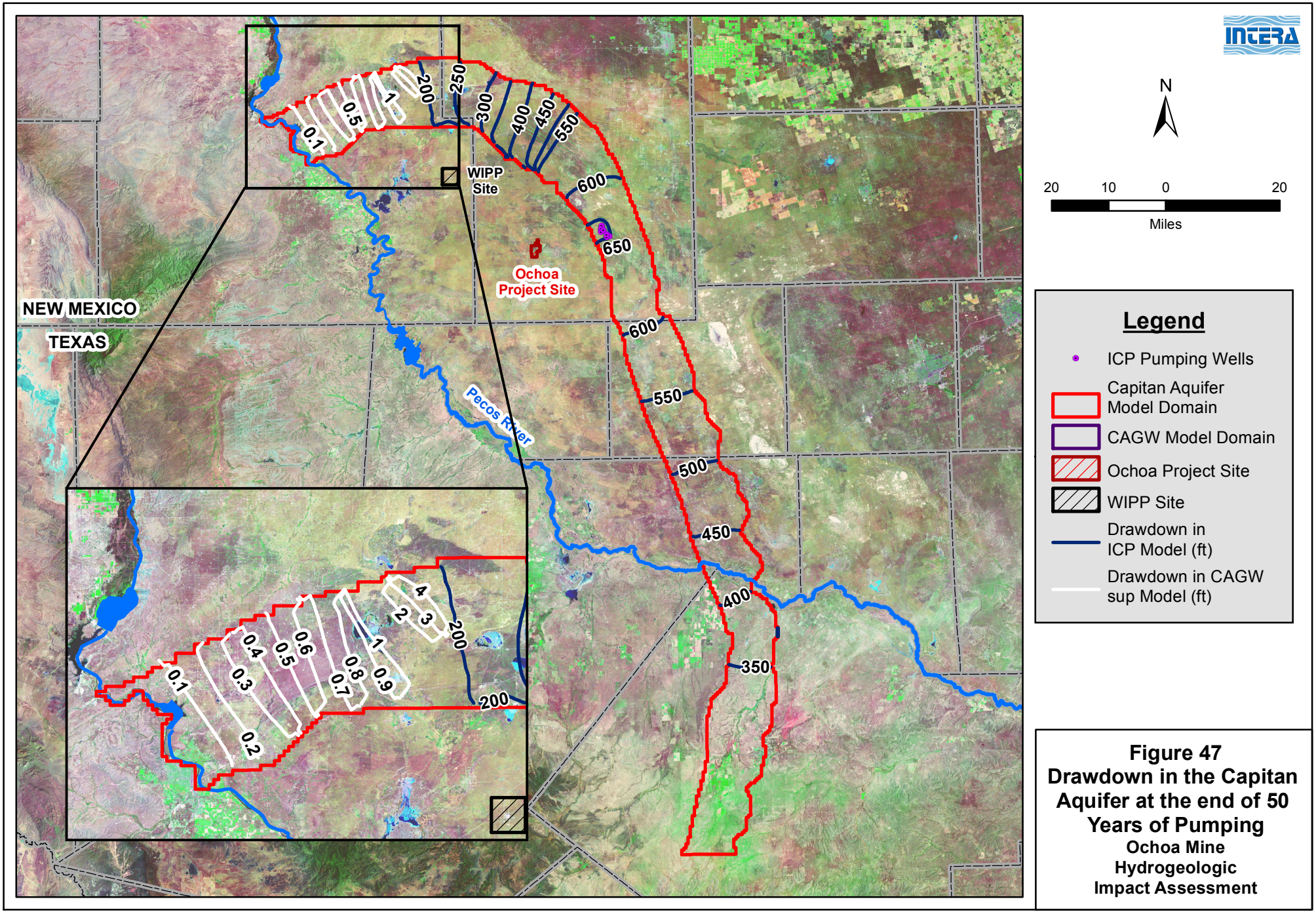

Figure 47
Drawdown in the Capitan Aquifer at the end of 50 Years of Pumping
Ochoa Mine Hydrogeologic Impact Assessment

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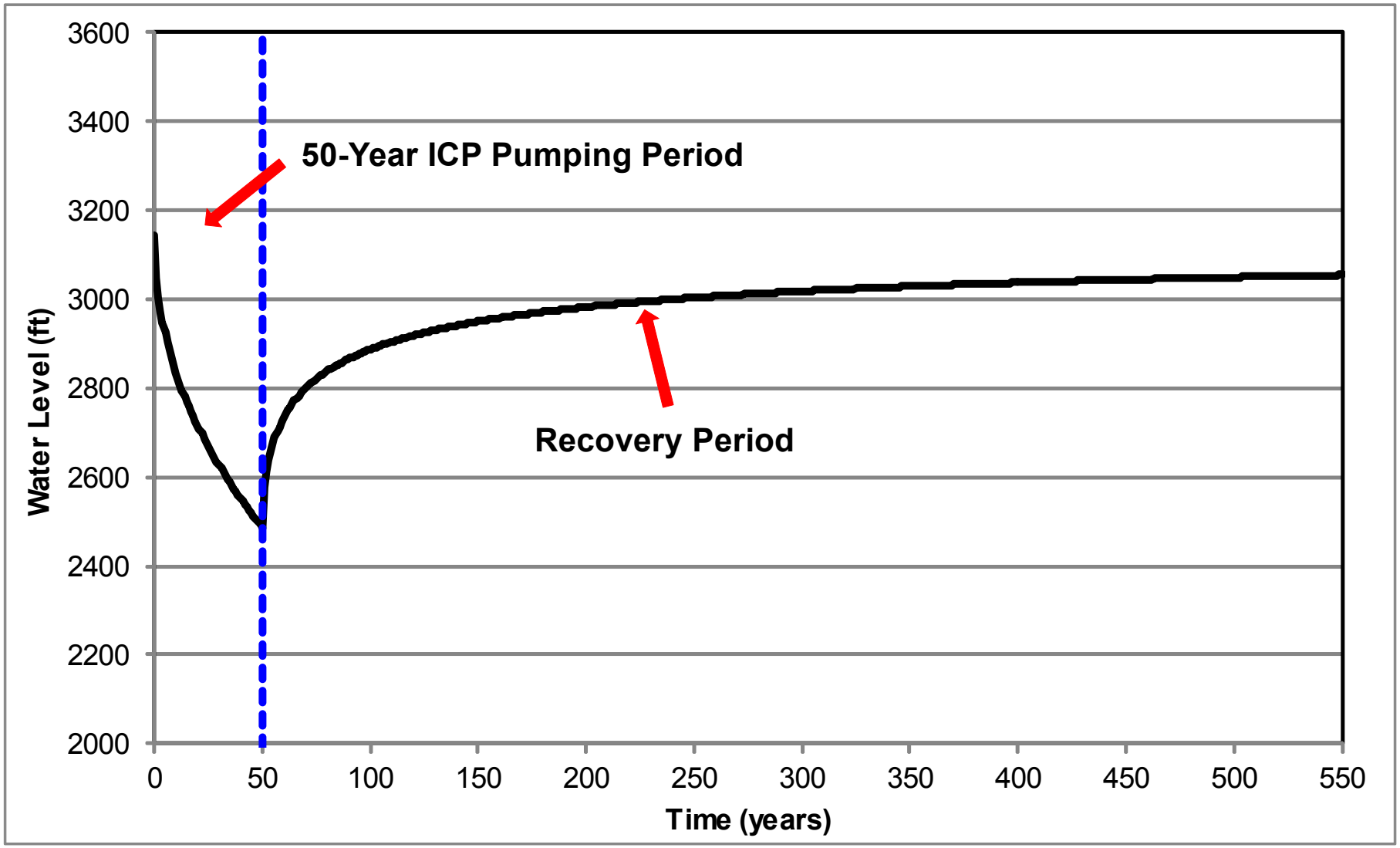
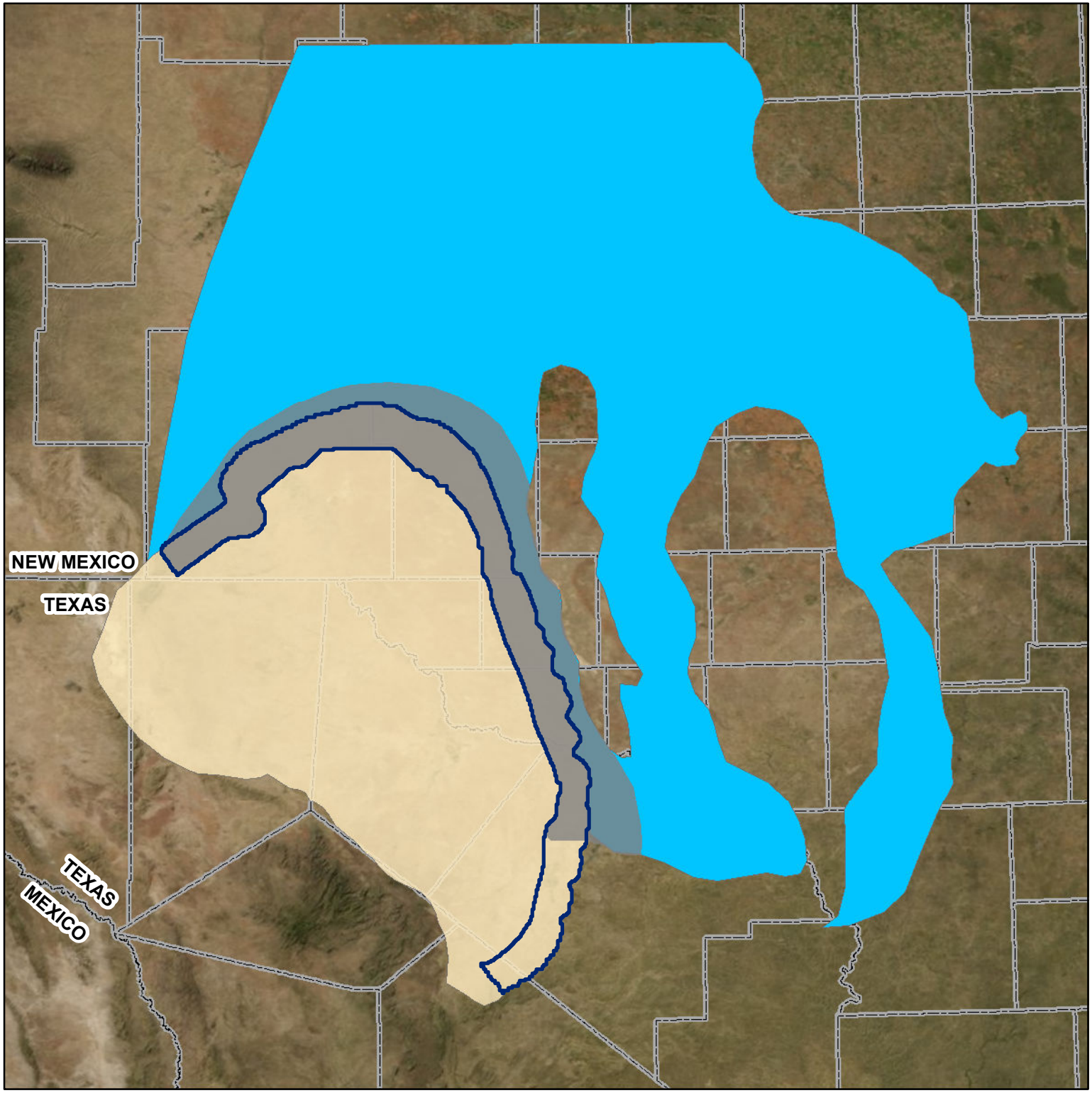


Figure 48
Recovery of Capitan Aquifer water levels following cessation of pumping ICP wells
Ochoa Mine
Hydrogeologic Impact Assessment



N

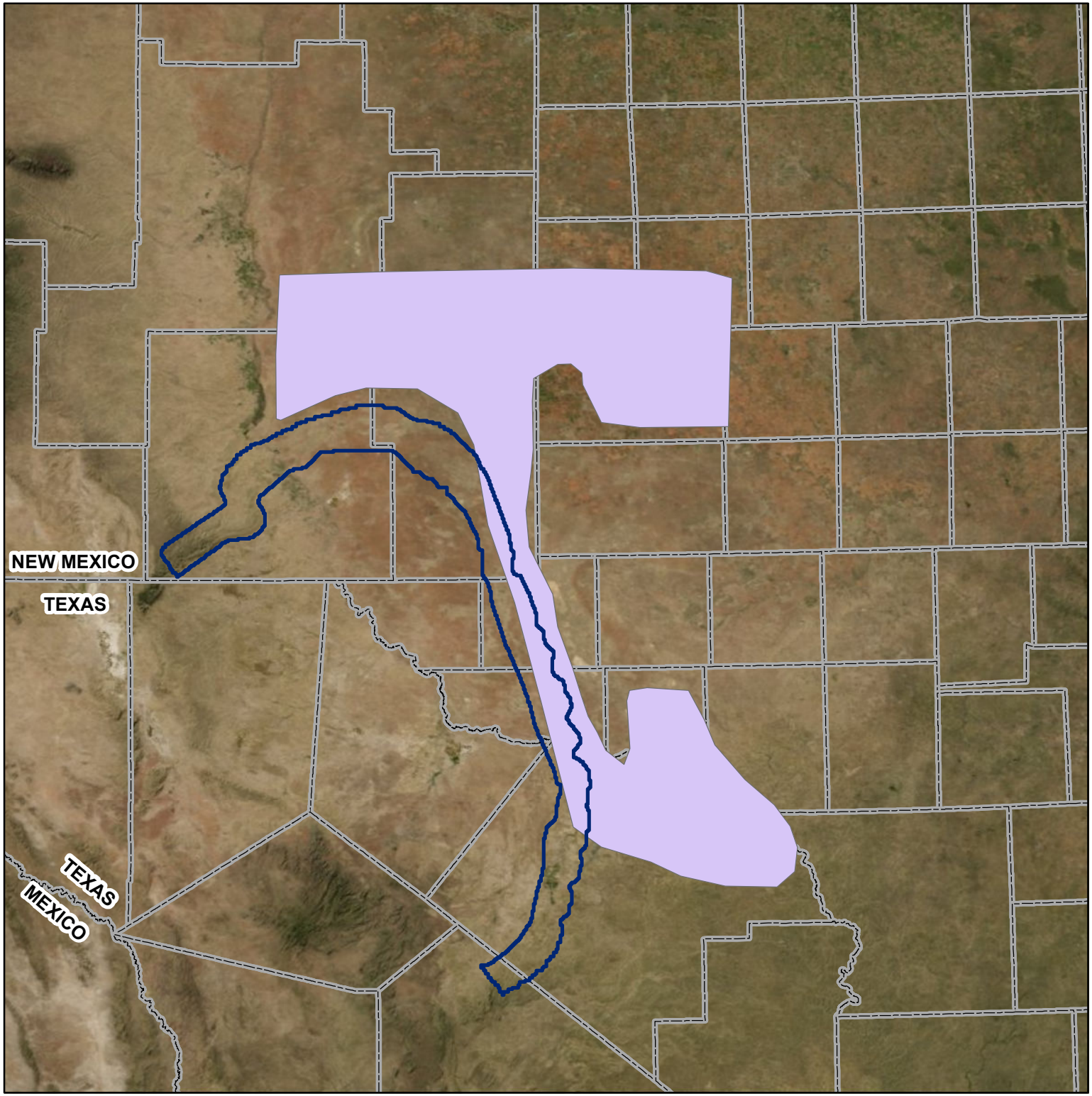
30 15 0 30

Miles

Legend

- Capitan Aquifer Extent
- Artesia Extent
- Basin Extent
- San Andres Extent

Figure 49
Areal Extents for Volumetric Calculations by INTERA Approach
Ochoa Mine
Hydrogeologic
Impact Assessment



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Miles

Legend

Capitan Aquifer Extent

AECOM Backreef Exent

Figure 50
Areal Extents for Volumetric Calculations by AECOM Approach
Ochoa Mine
Hydrogeologic
Impact Assessment

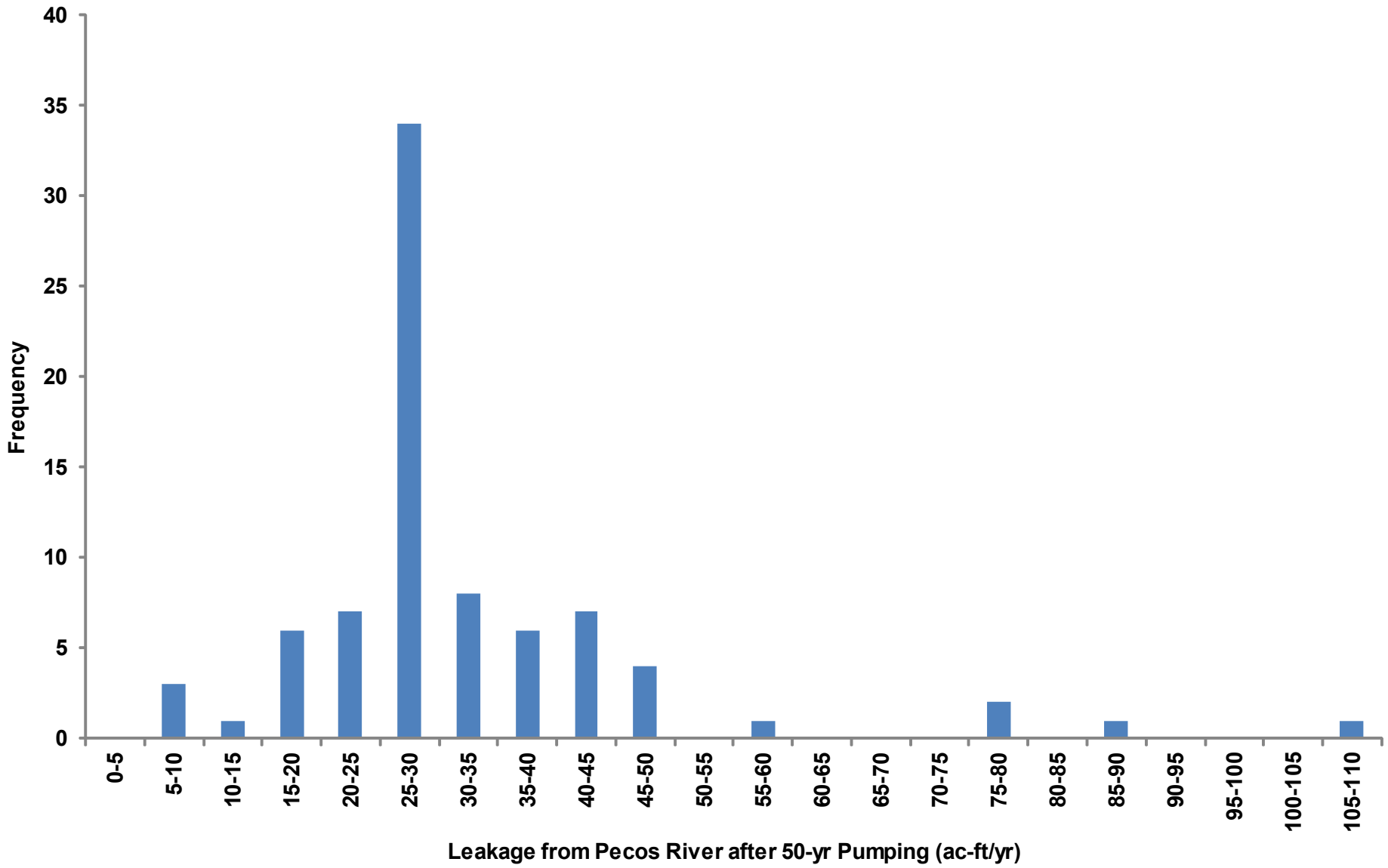

Figure 51
Distribution of Estimated Impacts on Pecos River Resulting from Sensitivity Analysis
Ochoa Mine Hydrogeologic Impact Assessment

APPENDIX A

Review of Carlsbad Area Groundwater Model

Appendix A: Review of Carlsbad Area Groundwater (CAGW) Model

1. Introduction

The New Mexico Office of the State of Engineer (NM OSE) developed the Carlsbad Area Groundwater Model (CAGW) to simulate groundwater flow within the Carlsbad Basin in southeastern New Mexico. CAGW is a calibrated three-dimensional finite difference flow model based on the reformulation of an earlier superposition model (Lewis, 1991) and inclusion of historical stresses such as groundwater pumping, recharge, and return flow. The CAGW has been calibrated to historically observed groundwater level data and Pecos River baseflows. The model can be used to evaluate and manage water rights at the NM OSE and to assist investigations made by the New Mexico Interstate Stream Commission (NM ISC).

2. Study Area

The Carlsbad Basin is located in the Pecos River Valley of southeastern New Mexico (Figure 1). The Pecos River provides the majority of irrigation water that is applied in the basin, but numerous wells provide groundwater for this purpose as well. The flows of the Pecos River are regulated for irrigation purposes. In the study area of interest, the Pecos River receives surface inflow from Black River, and intermittent inflow from Dark Canyon Draw. The Pecos River gains considerable amounts of water from groundwater discharge to the ground surface in the vicinity of and downstream of Carlsbad.

3. Hydrogeology

3.1 Aquifer Extent and Composition and Pecos River

The principal aquifers in the Carlsbad Basin are the Quaternary Pecos Valley Alluvium (alluvial aquifer) and the Permian Capitan Reef (reef aquifer) (Figure 2). Both aquifers provide significant amounts of water for irrigation, municipal, and industrial purposes. The alluvial aquifer consists of surficial deposits associated with the Pecos River and its tributaries. This aquifer connects directly to stream courses in the region; whereas the reef is primarily a subterranean structure that underlies the northern part of the alluvial aquifer in the study area. In the vicinity of the City of Carlsbad, a small part of the alluvial aquifer directly overlies the Capitan Reef aquifer and the two aquifers are in hydraulic connection. Carlsbad Springs, which have in the past discharged to the Pecos River near Carlsbad, indicate the location of this direct connection.

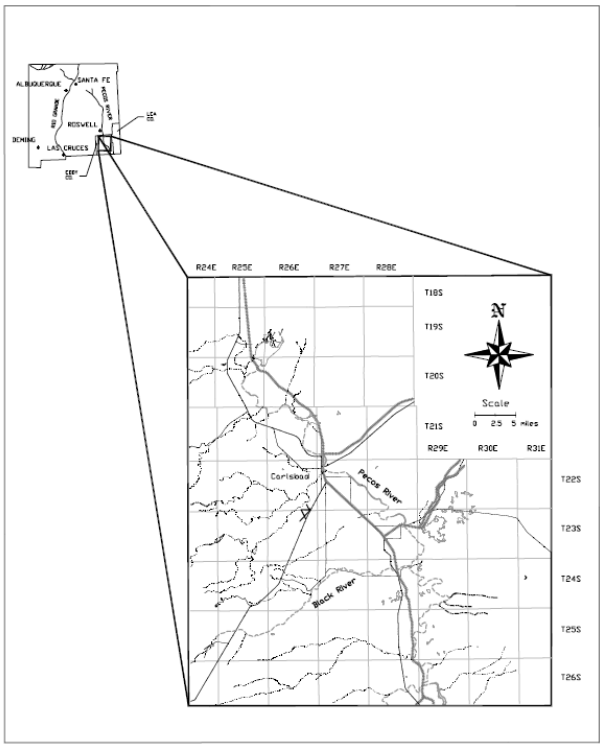

Figure 1 Carlsbad Basin (adapted from Barroll et al., 2004)

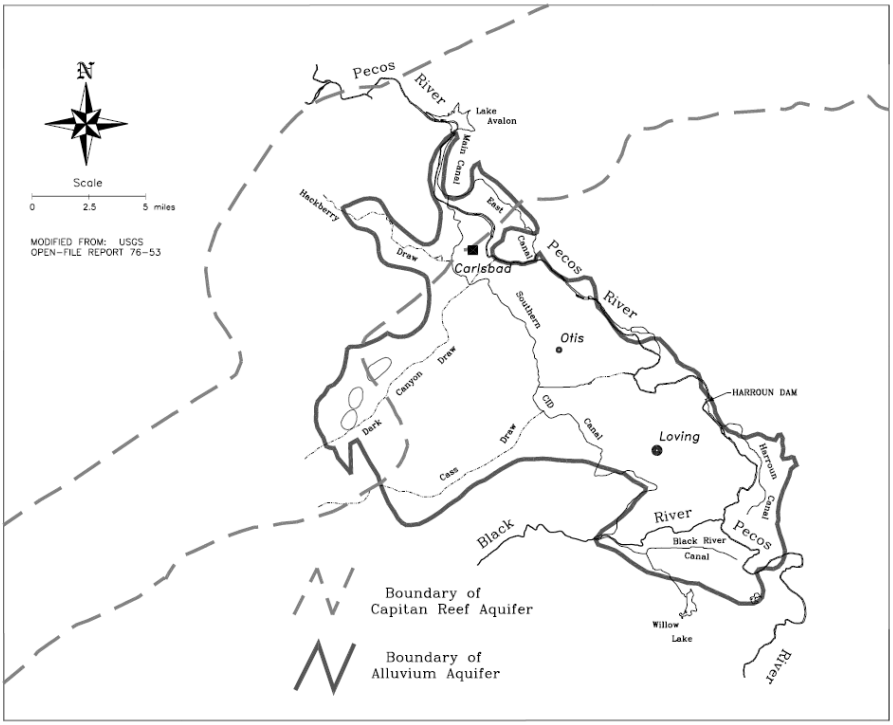

Figure 2 Capitan Reef and Alluvial Aquifer near Carlsbad (adapted from Barroll et al., 2004)

The Pecos Valley Alluvium extends in a narrow strip along the Pecos River from a few miles north of the City of Carlsbad to approximately the mouth of Dark Canyon. Within the Carlsbad Irrigation District (CID), the saturated thickness of the alluvium, which varies in space, is as great as 150 feet between Otis and Loving (Bjorklund and Motts, 1959). The total thickness of the alluvial materials within the CID ranges from about 100 to 200 feet. In the far southwestern part of the aquifer, the alluvial deposits locally thicken to more than 300 feet, while the saturated thickness is on the order of 50 feet thick. The alluvial aquifer consists of a variety of materials, ranging from very transmissive sands and gravels to low-permeability clays.

The reef aquifer forms an arcuate strip that is approximately 10 to 14 miles wide and extends in a broad curve from the Guadalupe Mountains in New Mexico to the Glass Mountains in Texas. The thickness of the reef aquifer averages about 1,600 feet in the vicinity of the City of Carlsbad (Hiss, 1975b). The reef outcrops near its end points in the Guadalupe Mountains and the Glass Mountains. Near Carlsbad, the reef is in direct contact and hydrologic communication with the alluvial aquifer. The reef aquifer is composed of the Capitan and Goat Seep limestones (Hiss, 1975b) and is described as a reef facies in the Delaware Basin in which large solution channels have been formed. Following Bjorklund and Motts (1959), the reef aquifer defined in this study also includes portions of adjacent shelf deposits where these deposits are extremely transmissive, such as parts of the Tansil and Yates Formations near Carlsbad Springs. In such areas, it is difficult to distinguish between “true reef” and shelf deposits.

The Pecos River is well connected to the alluvial aquifer in the study area, and the river gains considerably in flow due to groundwater in the alluvial aquifer discharging to the river’s bed and banks. This groundwater discharge typically ranges between 20,000 and 40,000 acre-ft/yr in the river reach between Lake Avalon and Malaga. Because the reef aquifer has strong hydraulic connection to the alluvial aquifer in the vicinity of Carlsbad, the hydraulic connection between the reef and the river is also strong.

3.2 Aquifer Stresses and Groundwater Conditions

The alluvial aquifer is recharged by natural and artificial sources. The natural recharge sources are areal recharge from precipitation, recharge from streamflow events in Dark Canyon Arroyo, Cass Draw, and Hackberry Draw, and possible upward seepage from the Capitan Reef near Carlsbad. Artificial sources of recharge include leakage from irrigation canals and laterals, on-farm return flow, and leakage from Lake Avalon. The alluvial aquifer naturally discharges large quantities of water to the Pecos and Black rivers. Artificial discharge from the alluvial aquifer consists of relatively small quantities of municipal and domestic pumpage, and large amounts of irrigation pumpage. Groundwater levels in the alluvial aquifer slope from north to south and

from west to east, indicating southward and southeastward groundwater flow toward the Pecos River. Water levels in the alluvial aquifer have varied substantially during the past 50 years. Time spans exhibiting lower groundwater levels correlate with droughts and increased irrigation pumping while higher groundwater levels correspond to high rainfall and low irrigation pumping. Thick clays in the alluvial aquifer appear to create fairly widespread confined conditions both in the western part of the CID and west of it. Hydrologic conditions in the eastern part of the CID near the river do not appear to be confined.

The reef aquifer is also recharged by natural and artificial sources. Natural recharge enters the reef largely by direct infiltration into outcrop in the Guadalupe Mountains and by slow percolation through adjacent shelf deposits. Surface water recharges the reef as it flows across reef outcrops in Dark Canyon (Bjorklund and Motts, 1959). Leakage from Lake Avalon contributes artificial recharge to the reef aquifer. Discharge from the reef is predominantly by pumping. During the past 30 years, about 15,000 to 20,000 acre-ft/yr of water have been pumped from the reef for municipal, industrial and irrigation purposes. Natural discharge from the reef has also taken place near Carlsbad Springs, where the reef and alluvial aquifers are in hydraulic contact. Groundwater level data from the alluvial and reef aquifers in this area indicate that, though pumping has gradually lowered hydraulic heads in the reef, groundwater still flows from the reef into the alluvial aquifer and subsequently to the Pecos River. Moreover, a constriction in the reef aquifer occurs near the boundary between Lea County and Eddy County because the hydraulic heads in the reef west of the county line have responded differently to historical stresses than have heads to the east. The reef is confined by the alluvial aquifer in the immediate vicinity of Carlsbad Springs, where measured hydraulic heads have typically been 2 to 10 feet higher than comparable heads in the alluvial aquifer.

3.3 Aquifer Hydraulic Properties

Pumping tests in the Carlsbad alluvial aquifer specifically aimed at quantifying aquifer hydraulic properties have been limited. Hale (1945) provides data from aquifer tests in the alluvial aquifer at a well located at 22S 27E 20.143. These tests indicate an effective hydraulic conductivity (K) of about 75 to 100 ft/day. Bjorklund and Motts (1959) indicate that the K values obtained from 26 specific capacity tests in the alluvial aquifer range from about 13 to 280 ft/day, with an average of 116 ft/day. This is the value of hydraulic conductivity that was applied in the superposition model previously prepared by the NM OSE (Lewis, 1991) and was adopted as the initial value for model calibration in this current study.

Hale (1945) estimated a hydraulic conductivity of 36 ft/day for the reef aquifer but this value may not fully describe the behavior of water in the reef. Using data from pumping tests in the

reef aquifer, Hiss (1975a) cites a hydraulic conductivity range of 1 to 25 ft/day for the reef. Hiss (1975b) indicates that transmissivity of the reef in the immediate vicinity of the Lea and Eddy County line is much lower than in the rest of the reef. This reduction in transmissivity accounts for the difference in response to historical stresses on either side of the constriction that occurs in the reef at this locale. The constriction is apparently due to the presence of submarine canyons. According to Bjorklund and Motts (1959), the storativity of the Capitan reef aquifer ranges from 0.015 to 0.005. The average of these two values is 0.01, which was used as an initial storativity during calibration of the reef aquifer portion of the CAGW model.

4. CAGW Model Setup

4.1 Model Grid

The model grid adopted in the original superposition model by Lewis (1991) was applied in the CAGW model. The grid consists of 35 rows and 38 columns. In accordance with standard modeling practice, the smallest finite-difference blocks are located in the vicinity of the CID where the stresses on the alluvial aquifer system are most concentrated. The typical size of a finite-difference cell was one mile square, with the grid becoming finer in the vicinity of the Pecos River and coarser in the reef east of the Pecos River. The finite-difference grid was developed in local coordinates, and has been referenced to the North American Survey Datum of 1983 (NAD83) using the Universal Transverse Mercator (UTM) Zone 13 (meters) projection.

4.2 Model Treatment of Aquifers and Surface Water System

4.2.1 Model Treatment of Alluvial Aquifer

Each of the two aquifers, the Capitan Reef and an overlying alluvial aquifer, is treated as a single layer in the model. The alluvial aquifer comprises the alluvium associated with the Pecos River, Hackberry Draw, Dark Canyon Draw, and Cass Draw, and is also extended farther south to encompass sediments along the lower Black River. The lateral boundaries of the alluvial aquifer are generally treated as no-flow boundaries. The exception to this rule occurs along a small portion of the western border where specified fluxes area assigned to a few model cells to simulate underflow from upper Cass Draw. The base of the alluvial aquifer is treated as a no-flow boundary except where the alluvial aquifer overlies the Capitan Reef. Though the confined conditions are found in the western part of the alluvial aquifer, the model treats the alluvial aquifer as an unconfined layer. Initial simulations with the CAGW model were made using a uniform K of 116.3 ft/day for the alluvial aquifer. Through model calibrations efforts, eight hydraulic conductivity zones were ultimately selected for the alluvial aquifer with higher K zone

reflecting higher measured specific capacities along the River and lower *K* zone at south of Loving (Bjorklund and Motts, 1959).

4.2.2 Model Treatment of Capitan Reef Aquifer

Although both confined and unconfined conditions exist in the Capitan aquifer within the Carlsbad area, the CAGW model treats the reef aquifer as a single-layer confined system. The southwestern border of the model is aligned with the inner arc portion of the reef in the vicinity of Dark Canyon. To simulate inflow from the west, this boundary was assigned a specified flux. The eastern model boundary of the reef is located near the boundary between Eddy and Lea counties in an area where both the thickness and hydraulic conductivity of the reef are relatively small (Hiss, 1975a). To account for the possibility that some flow may occur across the area of constriction, this part of the model was assigned a constant head boundary. The base of the reef aquifer in the modeled area is universally treated as a no-flow boundary. The reef is divided into three hydraulic conductivity zones. The westernmost zone is assumed to be an especially cavernous part of the reef where the hydraulic conductivity is expected to be very large. The superposition model developed by the NM OSE (Lewis, 1991) assumed a *K* value of 20 ft/day for this zone; this value was found to be much too low during the calibration of the CAGW. During model calibration, the easternmost hydraulic conductivity zone was assigned an initial value of 1 ft/day, and the remaining zone was given an initial *K* value of 5 ft/day. Both of these latter hydraulic conductivities are consistent with the findings of Hiss (1975a).

4.2.3 Model Treatment of Leakage between Aquifers

Flows between the reef and alluvial aquifers in the vicinity of Carlsbad Springs are handled automatically in the BCF package of MODFLOW (McDonald and Harbaugh, 1988) using the VCONT parameter, which is computed as the vertical hydraulic conductivity of the material that lies between the most permeable portions of each of the two aquifers divided by the thickness of that material. The value is higher near Carlsbad Springs where there is no low permeability material separating the reef from the alluvial aquifer, and it becomes smaller with distance away from that location due to increasing thicknesses of low-permeability material separating the two aquifers. In the initial version of the model, VCONT was given a value of 0.014 ft/day/ft in the immediate vicinity of Carlsbad Springs. In the remaining areas, VCONT was assigned smaller values than that used near Carlsbad Springs. This parameter was calibrated to new values.

4.2.4 Model Treatment of Surface Water System

Flow interactions between the Pecos River and ambient groundwater in the alluvial aquifer are simulated by using the River Package in MODFLOW. The interaction between groundwater and the lowermost reach of the Black River is also simulated using the River Package. Leakages from Avalon Reservoir, the ephemeral tributaries to the Pecos River such as the Dark Canyon, Cass Draw, and Hackberry Draw, and the irrigation canals and laterals Draw were assigned to the model as specified flux boundary conditions.

Riverbed and river stage elevations were estimated using 1:24,000-scale topographic maps, streamflow gage information, and an estimated average water depth of 4 feet for most of the river. Initial estimates of riverbed conductance were calculated based on the estimated length of the river segment in each cell, a riverbed thickness of 10 feet, and a vertical hydraulic conductivity of 0.1 ft/day. During subsequent model calibration, the Pecos River was divided into three zones, and each zone has calibrated to different riverbed conductance values.

4.3 Model Stresses

The simulation period of the CAGW model is from 1940 to 2000. The observed water levels were stable for a three-year period from 1959 through 1961, suggesting that inflow to the groundwater system was approximately equal to the outflow, which is a state of dynamic equilibrium, or a quasi-steady state condition. The assumption that steady-state conditions occurred prior to 1961 was not strictly correct but was believed to have only minor impact on model results since water levels were observed to be relatively stationary in the early 1960s. Thus, the model run started from this quasi-steady state condition. The model calibration period is from 1961 to 1996. Following successful calibration, the model was verified through simulation of conditions during the years 1940 through 1960, and 1996 through 2000. All model stress periods were set equal to six months, which can allow the model to not only account for major annual variations in hydraulic stresses on the system, but also to account for seasonal variations in water levels. A uniform one-month time step was used in the CAGW model.

Hydraulic stresses applied in the model consist of artificial recharge, natural recharge, and artificially induced discharge. All well pumpage, canal and lateral leakage, and on-farm return flows are listed in the WELL Package and are represented by pumping and injection wells. Natural recharge to the alluvial and reef aquifers is applied in the Recharge Package. For convenience, Lake Avalon leakage is included in the Recharge Package. All model stresses were calculated and allowed to vary annually.

5. Model Results

5.1 Model Calibration

Model calibration was accomplished using a combination of trial-and-error "forward" runs with MODFLOW (McDonald and Harbaugh, 1988) and "inverse," parameter estimations runs with (Hill, 1992). The period selected for model calibration encompassed the years 1961 through 1995. The process of calibrating the CAGW was a lengthy one. During calibration, both model stresses and hydraulic properties were continually adjusted until reasonable matches were attained between model results and observed values of two general calibration targets: hydraulic heads and river baseflows. Observed water levels for a given year and month were compared to simulated values at a corresponding stress period and time step. Head-dependent fluxes calculated in MODFLOW's River Package were calculated and summed for the respective model cells used to represent the upper and lower reaches of the Pecos River. During model calibration, the summed flows at a given time step were compared with corresponding "observed" baseflow gains derived from streamflow data.

The aquifer hydraulic properties that were adjusted during calibration included: (1) Hydraulic conductivity of the alluvial and reef aquifers; (2) Specific yield of the alluvial aquifer and storativity of the reef aquifer; (3) Properties affecting leakage between the reef and alluvial aquifers; and (4) Conductance of the Pecos riverbed. The calibrated hydraulic conductivity values for the alluvial and reef aquifers are shown in Figure 3 and 4, respectively. During calibration, a storativity value of 0.005 was applied to the reef aquifer, and the specific yield in the alluvial aquifer was calibrated to 0.02 for the confined areas and 0.01 for the rest of the alluvial aquifer. The VCONT value (for the cells of maximum leakage between two aquifers) that produced the best match between simulated and observed heads in the reef aquifer during both the calibration and verification periods was about 0.01 ft/day/ft. The calibrated riverbed conductance values of the Pecos River are shown in Figure 5. In short, the riverbed conductance was calibrated to 800,000 ft^3/day per mile in Zone 1, 5,000 ft^3/day per mile in Zone 2, and 12,000 ft3/day per mile in Zone 3.

The match between modeled and observed reef water levels in the calibrated model was extremely good. Examination of all simulated reef hydraulic heads for the calibration period showed that more than 90% were within 2 feet of comparable observed levels, and more than 55% were within 1 foot. For the alluvial aquifer, approximately 70% of modeled heads are within 5 feet of corresponding observed values, and 90% are within 10 feet. In each case, the simulated hydrograph does fairly well in matching both major trends and minor ticks in the observed hydrographs. As to the baseflow gains in the Pecos River, the CAGW model showed

good representation of groundwater discharge to the river in the upper reach of the Pecos River, but not very good results in the Lower reach of the Pecos River. NM OSE noted that it is possible that there was a systematic problem in calculating gains to the lower river reach because of historically large diversions from the river via the Harroun Canal, the return flows from which were difficult to quantify.

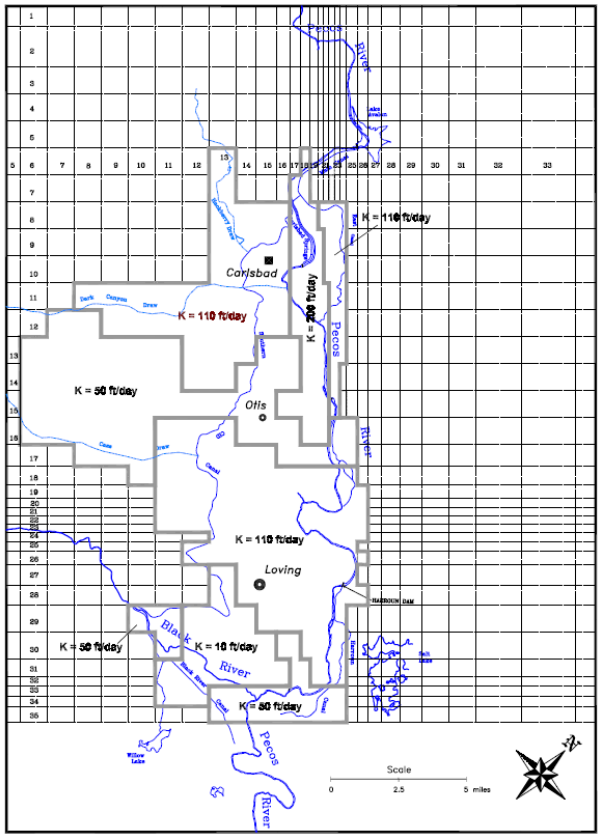

Figure 3 Calibrated Hydraulic Conductivities in the Alluvial Aquifer (adapted from Barroll et al., 2004)

5.2 Model Verification

The model verification exercise consisted of extending the model simulation period to include the entire period from 1940 through 2000. First, the necessary input data for the extended simulation period was gathered. Then, the verification process was to run model over the extended simulation period and evaluate the results against observed data.

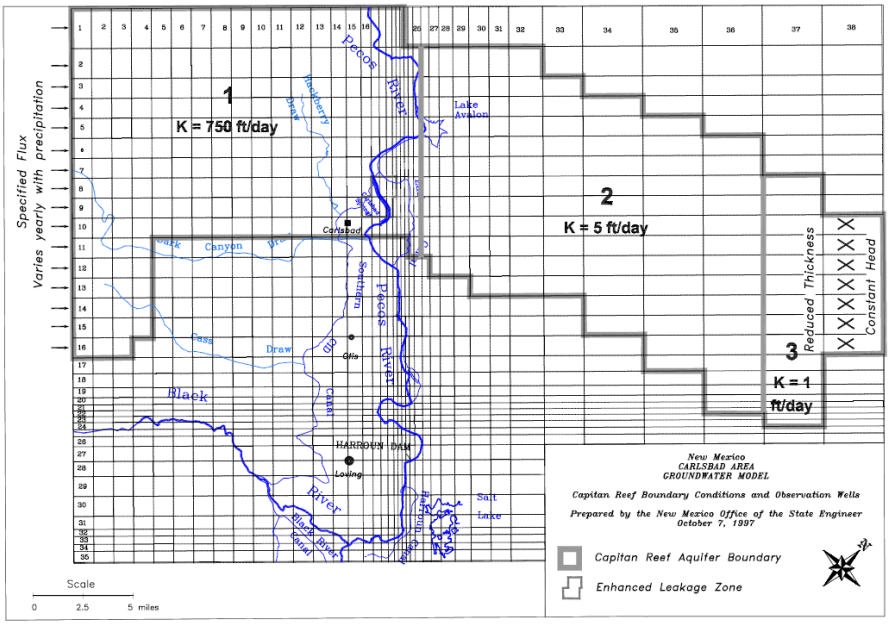

Figure 4 Calibrated Hydraulic Conductivities in the Capitan Reef Aquifer (adapted from Barroll et al., 2004)

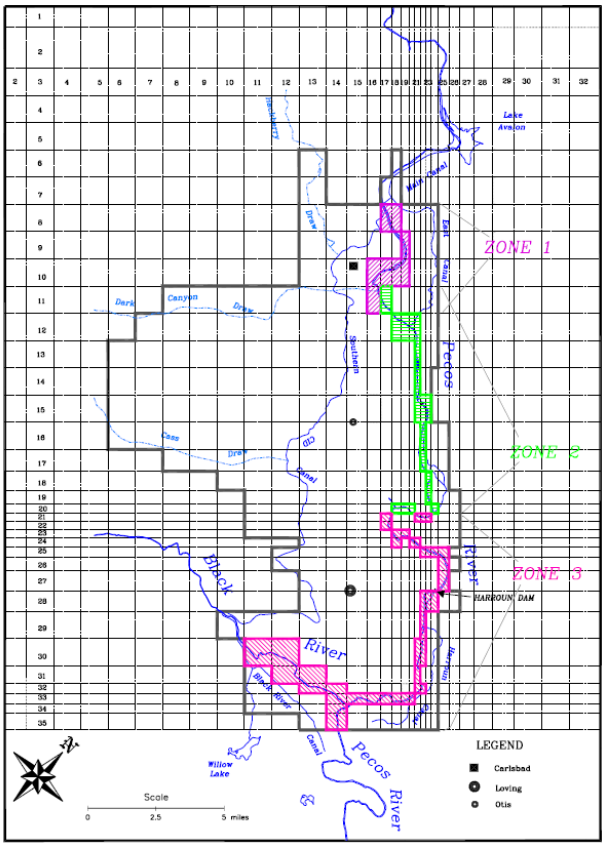

Figure 5 Riverbed Conductance Zones (adapted from Barroll et al., 2004)

The simulated heads in the reef aquifer agree closely with observed water levels for the revised extended model. The simulated heads in the alluvial aquifer match well, although not as closely as for the reef. Alluvial aquifer heads predicted by the model are mostly lower than corresponding measured heads. Despite the fact that the model performed less well in matching observed water levels in the alluvium, the magnitudes of the residuals are acceptable. For all of the selected time periods (1945, 1955, 1965, 1975, and 1985), about 54% of the head residuals are less than 10 feet. However, the magnitude of the residual decreases as the simulation time moves toward the present. By 1985, 75% of the head residuals are less than 10 feet. This is reasonable since the degree of uncertainty in the input data increases the further one moves from the present. The comparison of observed and simulated baseflows for the revised extended model indicates that the match is improved over previous versions of the model, primarily due to the modification of early-time recharge to the reef.

The extension of the original simulation period of the model (1961 to 1996) to a simulation period from 1940–2000 allowed an opportunity to evaluate model behavior outside of the original simulation period, and test its robustness. The model performed well, with essentially no additional calibration, for most of the new simulation period. Thus, the verification exercise showed that the CAGW reasonably represents the behavior of the natural system.

5.3 Sensitivity Analysis

Sensitivity analysis was performed in order to assess (1) the degree to which various model parameters have been constrained by calibration and (2) how sensitive model results are to each of the model parameters. Particular focus was placed on the sensitivity of computed baseflow gains in the Pecos River to various model inputs. Sensitivity model runs were conducted by perturbing the hydraulic parameters in the alluvial and reef aquifers and measuring the effects of these perturbations on both hydraulic heads in the reef and baseflow gains on the upper reach of the Pecos River. The sensitivity analysis was performed in two phases. First, the original model (simulation period 1961-1996) was evaluated, and then the extended simulation period model (simulation period 1940-2000) was evaluated.

For the reef aquifer, the baseflow gains are insensitive to changes in hydraulic conductivity, but the hydraulic heads are very sensitive to changes in hydraulic conductivity, which suggests that hydraulic conductivity of the reef is somewhat constrained by the model. On the contrary, the baseflow gains and hydraulic heads are insensitive to changes in storativity. Moreover, the model parameters (specified head boundary and hydraulic conductivity) applied to the eastern part of the reef aquifer has little influence on model results.

For the alluvial aquifer, the model seems fairly insensitive to the hydraulic conductivity within a range of 0.8 to 1.5 of the calibrated model values, and the model results worsen when the multiplicative factor is below 0.5 or above 1.5. Two separate specific yield zones (western and eastern parts) were applied in the alluvial aquifer. The specific yield in the western part of the aquifer has little effects on model results, whereas both hydraulic heads and baseflow gains are very sensitive to changes of the specific yield in the eastern part of the aquifer.

For the leakance between the reef and alluvial aquifers, both reef aquifer heads and baseflow gains in the upper river reach are sensitive to changes of this value, which suggests that this parameter is fairly well constrained. For the riverbed conductance of the Pecos River, the model results are very sensitive to the changes in the Zone 1 and Zone 3 riverbed conductance, and mildly sensitive to the changes in the Zone 2 riverbed conductance.

The sensitivity analysis is also performed on the extended model (simulation period 1940-2000). A relatively simplistic sensitivity analysis was performed using the automated sensitivity analysis feature of MODFLOW-2000 to investigate model sensitivity to selected parameters. The unconfined alluvium specific yield is the most sensitive model parameter. This is reasonable since both substantial baseflow to the river and CID pumping occurs in the region where the alluvium is unconfined. The model is also sensitive to the area of high hydraulic conductivity in the northern portion of the model domain. In the reef aquifer the high hydraulic conductivity zone is clearly the most sensitive of the three parameters, since the bulk of the flow in the reef in the CAGW model comes from the west through the high conductivity material.

6. Summary of CAGW Model

A three-dimensional model of groundwater flow in the Carlsbad Basin has been developed by the NM OSE. The model simulates flow processes in two aquifers: an alluvial aquifer lying adjacent to the Pecos River, and an underlying hydrogeologic unit known as the Capitan Reef aquifer. Stresses and calibration targets for CAGW model were developed from seasonal and monthly data, and the model was calibrated for historical conditions occurring during the years 1940–2000 and run with monthly stress periods. The performance of the calibrated model was evaluated qualitatively by comparing observed and modeled hydrographs at several key wells in both aquifers. On the whole, the model performed well in matching observed heads, both on an annual basis and seasonally. Comparisons of observed and modeled baseflows during the calibration period for an upper reach of the Pecos River encompassing Carlsbad Springs showed that the model performed well in matching both general trends in baseflow gains here as well as seasonal changes. Sensitivity analyses were conducted with the calibrated model, by perturbing the hydraulic parameters of the aquifers. The resulting effects on both groundwater levels and

river baseflows were examined. The sensitivity analysis showed that, on the whole, model parameter values comprising the calibrated model are reasonable, and that no extreme improvement in model performance could be achieved by adjusting those parameters.

It is anticipated that the CAGW will be employed to not only administer groundwater rights in the Carlsbad Basin, but also to evaluate various management schemes on the Pecos River. The findings from the investigation strongly suggest that future model users should take into account the relative levels of uncertainty associated with various model parameters when assessing the results of predictive simulations with the model.

7. Carlsbad Area Groundwater (CAGW) Superposition Model

OSE staff developed a superposition version of the CAGW model (CAGWsup), which is based upon the fully calibrated CAGW model. The purpose of developing the superposition version was to provide a tool for evaluating impacts of proposed changes in pumping patterns within the basin that was relatively simple to use, but would incorporate more of the detailed information about the Carlsbad Basin that is included in the numerical model.

A superposition model is one in which the principle of superposition is used to avoid having to describe or quantify hydrologic conditions that are not relevant to the problem at hand. The principle of superposition strictly applies to linear systems. While the CAGW model is not strictly linear, it behaves in a nearly linear fashion. The source of non-linearity in the model is, in part, related to specifying transmissivity of the alluvial aquifer as a function of groundwater level, and in part, to piece-wise linear functions used to represent river leakage. In order to develop a superposition model, these non-linear or piece-wise linear conditions must be adjusted or removed. For transmissivity of the alluvial aquifer, the non-linearity was removed by making the transmissivity a function of a temporally constant distribution of groundwater levels (year 2000 groundwater levels simulated by CAGW). Generally, the effects of changes in transmissivity with changes in groundwater level are not significant, especially with respect to computed stream depletion. In the case of the piece-wise functions used for river leakage, the calculation process was adjusted by converting this boundary from the River Package to the GHB Package, using the same conductance factors. The effect of this change is to make interaction with the Pecos River and Black River available at all river cells, and prevent disconnection of the stream and the aquifer.

With the adjustments described above, all calculations are made from a zero datum. That is, all water level and elevation inputs (initial heads and river levels) are set to zero. In addition, all background stresses: natural recharge, irrigation seepage, and background pumping are

eliminated. Pumping stresses to be evaluated by the superposition model are input via the program's well package. The model results represent changes in groundwater levels and changes in river leakage associated with those specified pumping stresses.

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APPENDIX B

Estimation of Recharge in the Glass Mountains

Appendix B: Groundwater Recharge to the Capitan Aquifer in the Glass Mountain Area

Introduction

Groundwater recharge is an important parameter in the evaluation of water resources for a regional aquifer system. However, groundwater recharge is also a difficult parameter to quantify due to its uncertainties. Previous studies usually selected a random percentage of total precipitation as groundwater recharge or calibrated groundwater recharge using numerical models. These methods may provide a reasonable estimate of groundwater recharge for different water resources management circumstances; however, they may not be accurate for different geologic and soil coverage. In this study, a method adapted from Nicolas (2000), Stone et al. (2001), and TWDB (2004) is used to estimate the groundwater recharge of the Capitan aquifer in the Glass Mountain area. This method takes into account the precipitation, topographic, geologic and soil characteristics of the study area, and then calculates the potential recharge and runoff, thereby determining the groundwater recharge for the study area.

Study Area

The Capitan aquifer outcrops in the Glass Mountain area (Figure 1) and is located in the Brewster and Pecos counties of Texas. The shapefiles of the geologic and soil characteristics of the outcropped Capitan aquifer are obtained from NRCS of USDA (Natural Resources Conservation Service of US Department of Agriculture) (http://datagateway.nrcs.usda.gov/), which indicate that the Capitan aquifer is defined as Permian limestone or dolostone of Guadalupe or Ochoa Series. In this study, we assume that groundwater recharge only occurs in the outcrop of Capitan aquifer. For the outcropped Capitan aquifer, the map unit is mainly Altuda-Rock outcrop complex, which is composed of gravelly residuum and colluvium derived from limestone. Other map units in the study area include Altuda very cobbly silt loam and Cross-Cienega complex, which are composed of gravelly residuum and colluviums and Pleistocene-age gravelly pedisediment derived from limestone. The hydrologic soil group for the Capitan aquifer is D based on the Web Soil Survey of USDA (http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm), which indicates that these soils have a very slow infiltration rate and high runoff potential when thoroughly wet.

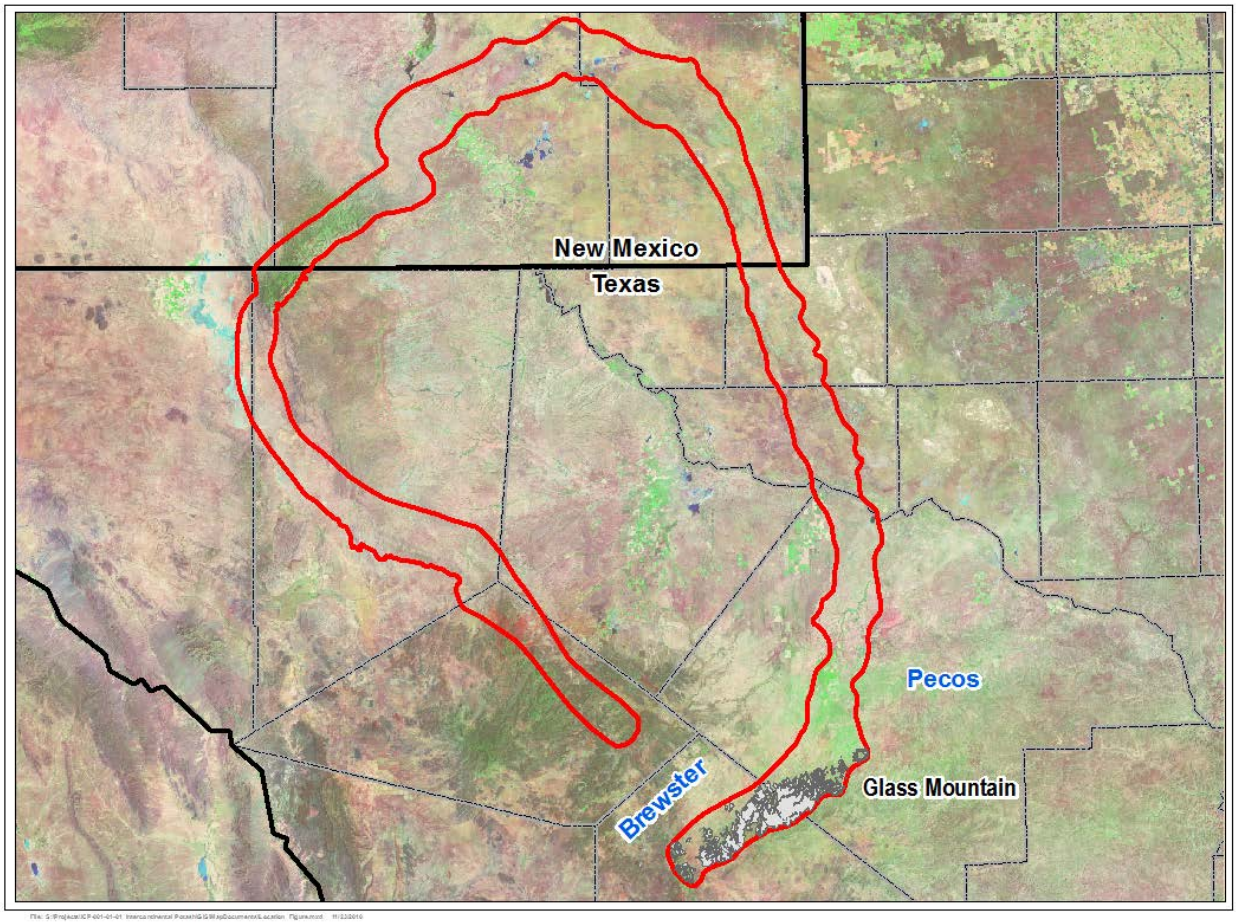

Figure 1. Map showing the location of the Capitan aquifer outcrop in the Glass Mountain area.

Methods

The method in this study is adapted from the TWDB (2004) model, and that model has made the following assumptions:

(1) Direct precipitation on the bolson does not infiltrate and become recharge;

(2) Precipitation increases with elevation as defined by existing data;

(3) There is no potential recharge for areas with less than 12 inches per year average precipitation;

(4) Dry soil conditions are used for estimating the runoff curve number;

(5) Approximately 30 percent of the runoff infiltrates at the alluvial fan and the remaining 70 percent evaporates or flows out of the model.

Since it was assumed that there is no potential recharge when the annual precipitation is less than 12 inches, the estimated potential recharge could be lower than those estimated using the Maxey-Eakin method which assumes there is no potential recharge when the annual precipitation is less than 8 inches.

Eight precipitation gauge stations near the Capitan aquifer outcrop are selected in this study (Figure 2). The monthly precipitation data for the 8 stations are obtained from the Office of Texas Climatologist (http://atmo.tamu.edu/osc/) from year 1895 to 2010, which can be used to determine the average annual precipitation data. The relationship between the annual average precipitation and elevation of these stations is established. Using this relationship could determine the annual precipitation in the Capitan aquifer outcrop after its average elevation is estimated. Two stations, Alpine and Ft-Stockton, have daily precipitation data (http://www.ncdc.noaa.gov/oa/climate/research/ushcn/ushcn.html) which can be used to determine the frequency of 24-hour precipitation events of specified magnitude that could potentially generate storm-water runoff.

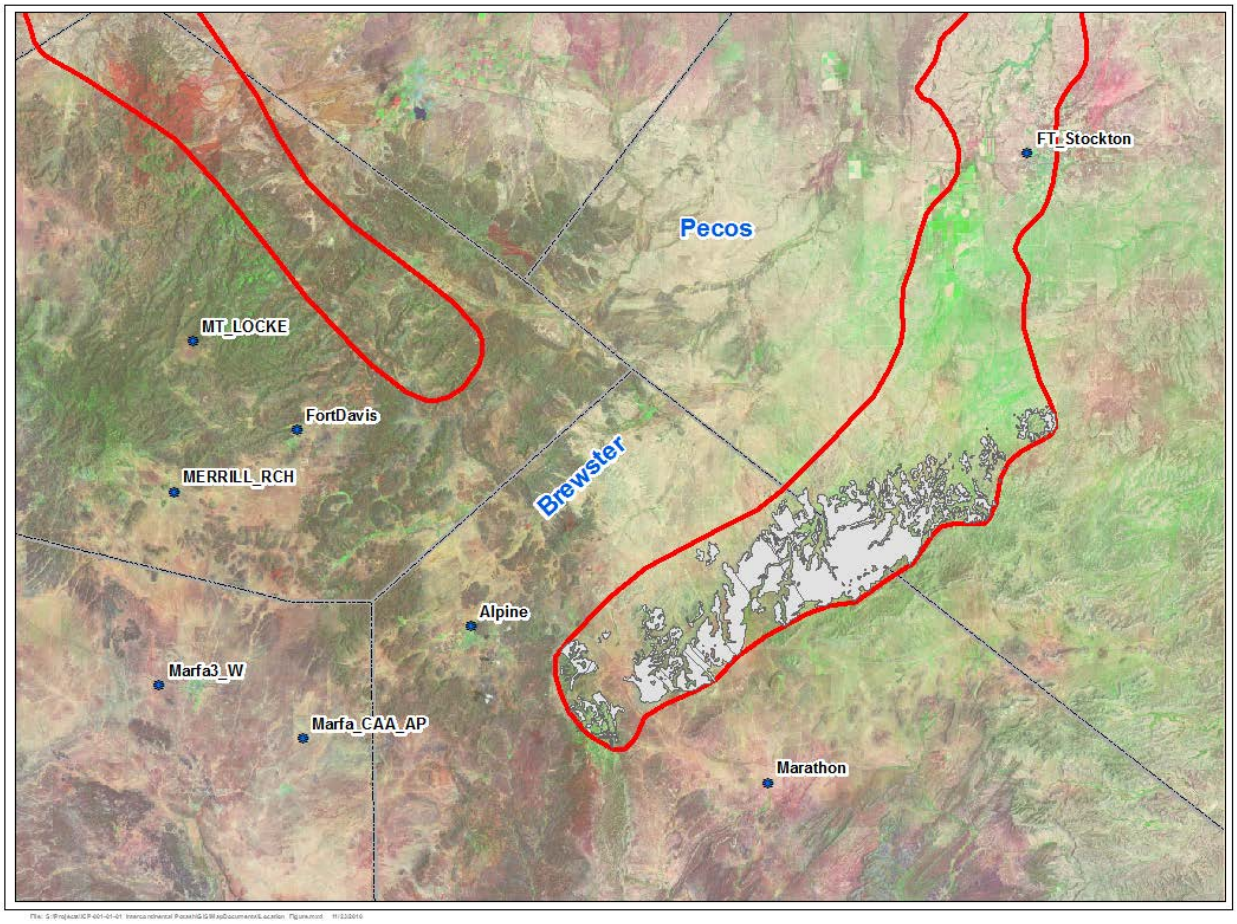

Figure 2. The eight precipitation gauge stations in the study area.

Results

1. Analysis of Precipitation Data

The relationship between the annual precipitation and elevation for the 8 stations in year 1984 are shown in Figure 3. The R-squared value is about 0.92, which indicates the linear-fitting between precipitation and elevation is acceptable. The precipitation increases with elevation, which confirms with the assumptions. Therefore, this equation of precipitation-elevation can be used to estimate the precipitation at the Capitan aquifer outcrop.

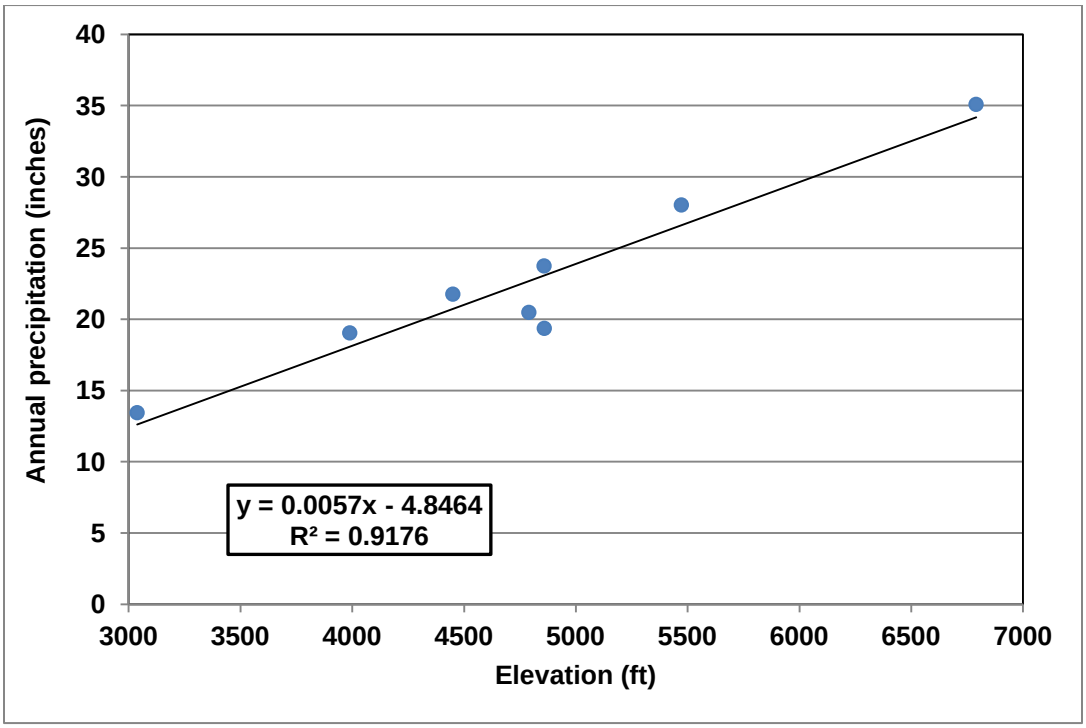

Figure 3. Relationship between the elevation and average annual precipitation for the period of record at 8 precipitation gauge stations in the study area (Example of year 1984 data).

Random points are selected to determine the average elevation for the Capitan aquifer outcrop (Figure 4). The elevations for these random points are estimated using the DEM map, which range from 3684 to 8589 ft with an average of 4695 ft. Based on such precipitation-elevation relationships from year 1950 to 2000, the annual precipitation for the Capitan aquifer outcrop in the Glass Mountain area is calculated with a range from 6.29 to 24.56 inches per year and an average of about 15.32 inches per year.

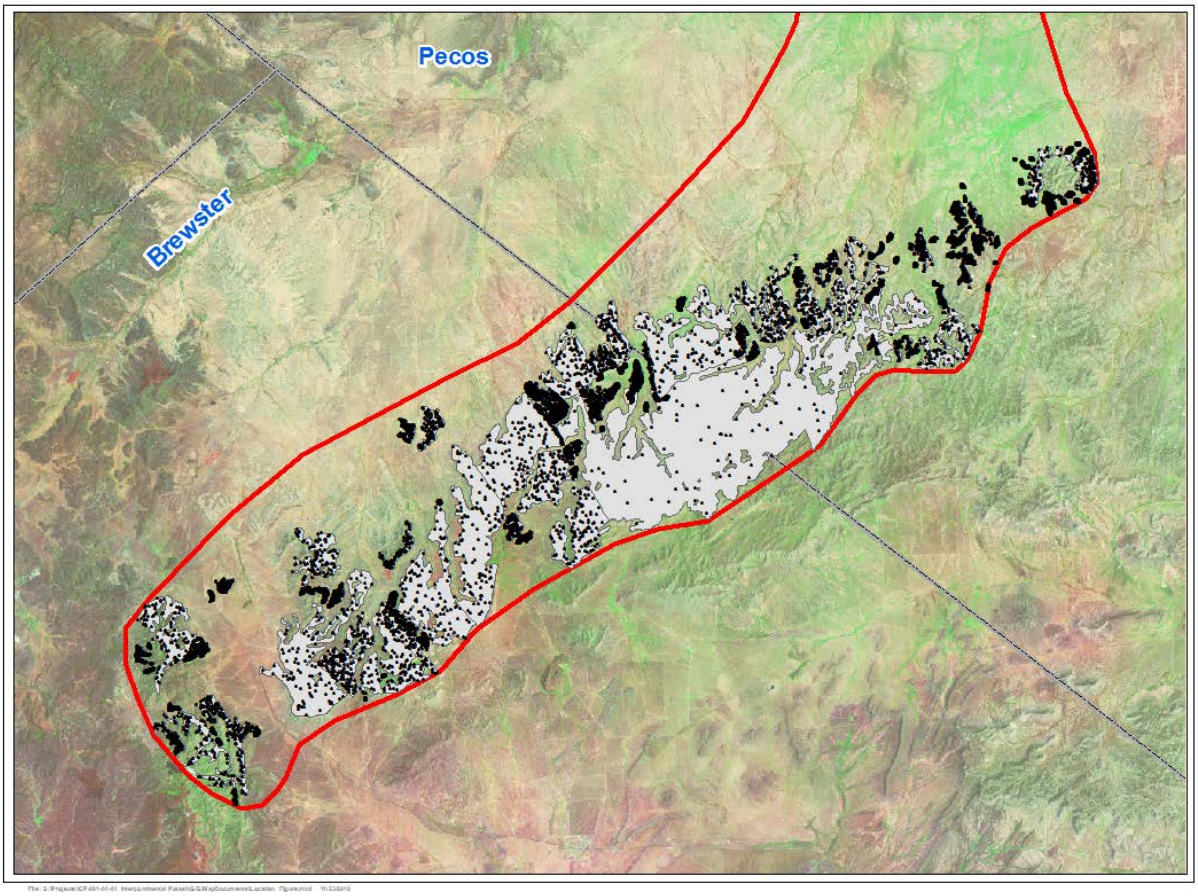

Figure 4. The random points in the Capitan aquifer outcrop to determine the average elevation.

2. Determine the potential recharge

In the Texas model, they assumed that that there is no potential recharge for areas with less than 12 inches per year average precipitation. Consequently, the potential recharge calculated by the TWDB (2004) model is less than that calculated by the Maxey-Eakin method (Maxey and Eakin, 1949). The following equation is used to calculate potential recharge in the TWDB (2004) model:

$$\text{Potential recharge} = C*PPTN$$

where PPTN is equal to average annual precipitation (inches/year), and C the adjusted Nicolas coefficient, and it is equal to 0.00874*PPTN-0.10488.

Therefore, in this study, the annual potential recharge for the Capitan aquifer outcrop is calculated. If the annual precipitation is less than 12 inches, then the potential recharge is

assumed as 0. The annual potential recharge ranges from 0 to 2.69 inches per year with an average of 0.63 inches per year from year 1950 to 2000.

3. Determine the potential runoff

The Soil Conservation Service (SCS) runoff curve number method is used to estimate the runoff. The runoff is estimated according to:

$$Q = \frac{(P - I_a)^2}{(P - I_a) + S}$$

where Ia is initial abstraction, S is the amount of water retained in a drainage basin in a long precipitation event, P is the average precipitation event that exceeds Ia which is calculated by the amount of precipitation that occurred during events that exceeded Ia divided by the number of events that exceeded Ia. It is assumed that runoff does not occur in a 24-hour precipitation event until the amount of precipitation has exceeded an initial abstraction (Ia).

S is calculated according to:

$$S = \frac{100}{CN} - 10$$

where CN is the curve number.

Ia is calculated according to:

$$I_a = S * 0.2$$

To be consistent with the coefficients given in subsequent equations, all of these quantities need to be expressed in the unit of inches.

The geology of the Capitan outcrop in the Glass Mountain area is composed of Permian limestone and dolostone (http://datagateway.nrcs.usda.gov/). Also, the main soil unit is ADG (Altuda-Rock outcrop complex), and it has a hydrologic soil group of D (http://datagateway.nrcs.usda.gov/). Based on the TWDB (2004) model, the soil group D with Permian limestone usually has a curve number (CN) value of 79.8 (TWDB, 2004; page B-26). Thus, the S value (the amount of water retained in the drainage basin) is 1000/CN-10 = 2.53 inches, and then Ia = 0.2*S = 0.51 inches.

The two stations Alpine and Ft-Stockton, have daily precipitation data which can be used to determine the frequency of 24-hour precipitation events of specified magnitude that could potentially generate storm-water runoff. The annual precipitation events that exceed Ia for the

two stations are calculated, which results in an average value of 1.0 inches per year for the station Alpine and 0.99 inches per year for the station Ft-Stockton from year 1950 to 2000. Consequently, the average potential runoff is estimated at 0.09 and 0.1 inches per year for the stations Alpine and Ft-Stockton from year 1950 to 2000, respectively.

4. Determine the groundwater recharge

In the TWDB (2004) model, for the topographically high mountain sub-basin, the average runoff is subtracted from the potential recharge and then 30 percent of that runoff is added to the respective receiving alluvial fan sub-basin, which represents the final groundwater recharge in the mountain sub-basin. For the alluvial fan sub-basin, the average runoff is subtracted from the potential recharge and then 30 percent of that runoff is added to the represent the final groundwater recharge in the alluvial fan sub-basin.

In this study, only the Capitan aquifer outcrop is considered to have groundwater recharge. The entire outcrop is regarded as one unit thus the groundwater recharge can be estimated using the potential recharge subtracting the average runoff and adding 30 percent of the average runoff.

$$\text{GW Recharge} = \text{Potential Recharge} - \text{Potential Runoff} + \text{Potential Runoff} * 30\%$$

The annual groundwater recharge is calculated using the above equation. If the annual precipitation is less than 12 inches, then there is no potential recharge and no groundwater recharge as well. The annual groundwater recharge ranges from 0 to 2.55 inches per year with an average of 0.57 inches per year from year 1950 to 2000. The total area of the Capitan aquifer outcrop in the Glass Mountain area is about 145 mi^2, thus the total recharge volume for the outcrop is estimated at 4,408 acre-ft/year.

A conservative estimate of average annual groundwater recharge was taken from half of the recharge calculated for the wet season expressed as an annual average. For the no action, calibration, predictive, and recovery models, the annual average recharge was 0.23 inches per year (1,780 acre-feet/year).

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APPENDIX C

Water Level Data for Wells in the Capitan Aquifer

USGS Ground-Water Site-Inventory System Data

Site ID	Local ID	LatDD_Y	LongDD_X	LL_Datum	Ground Elev	G_Datum	Aquifer	Depth	Date	Depth to Water	Water Level Elevation
321607104191701	23S.26E.32.11131	32.268611	-104.321389	NAD27	3500	NGVD29	313CPTN	460	19471112	223.5	3276.5
321607104191701	23S.26E.32.11131	32.268611	-104.321389	NAD27	3500	NGVD29	313CPTN	460	19560110	340.2	3159.8
322137104175001	22S.26E.28.32444	32.360278	-104.297222	NAD27	3262.42	NGVD29	313CPTN	248	19560110	166.35	3096.07
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19550602	197.77	3101.95
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19560106	194.1	3105.62
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19570107	198.18	3101.54
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19580110	197.95	3101.77
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19590107	194.19	3105.53
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19600107	197.91	3101.81
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19610110	195.04	3104.68
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19620104	198.5	3101.22
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19630121	198.62	3101.1
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19640117	198.45	3101.27
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19640827	203.35	3096.37
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19650114	201.1	3098.62
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19650903	202.64	3097.08
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19660107	200.63	3099.09
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19660922	198.82	3100.9
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322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19680119	199.74	3099.98
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19690128	199.86	3099.86
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322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19720111	200.47	3099.25
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19730104	198.65	3101.07
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19740114	200.2	3099.52
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19750129	194.75	3104.97
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19780222	200.84	3098.88
322140104174601	22S.26E.28.41310	32.361111	-104.296111	NAD27	3299.72	NGVD29	313CPTN	580	19830112	200.36	3099.36
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322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19540126	89.72	3103.58
322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19550111	88.71	3104.59
322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19560106	87.4	3105.9
322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19570107	91.39	3101.91
322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19580110	91.2	3102.1
322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19590107	87.47	3105.83
322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19600107	91.02	3102.28
322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19610110	88.26	3105.04
322228104154601	22S.26E.23.43111	32.374444	-104.262778	NAD27	3193.3	NGVD29	313CPTN	160	19620108	91.69	3101.61
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322235104191001	22S.26E.20.31412	32.376389	-104.319444	NAD27	3346.6	NGVD29	313CPTN	257	19830119	220	3126.6
322235104191001	22S.26E.20.31412	32.376389	-104.319444	NAD27	3346.6	NGVD29	313CPTN	257	19871016	220.39	3126.21
322235104191001	22S.26E.20.31412	32.376389	-104.319444	NAD27	3346.6	NGVD29	313CPTN	257	19930112	221.56	3125.04
322235104191001	22S.26E.20.31412	32.376389	-104.319444	NAD27	3346.6	NGVD29	313CPTN	257	19980218	222.19	3124.41

322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19550406	150.2	3103.9
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19560113	148.7	3105.4
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19570107	152.8	3101.3
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19580110	152.59	3101.51
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19590112	149	3105.1
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19600105	152.5	3101.6
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19610106	149.58	3104.52
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19620104	153.08	3101.02
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19630121	153.19	3100.91
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19640117	153.03	3101.07
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19640827	157.9	3096.2
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19650114	155.67	3098.43
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19650903	157.24	3096.86
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19660107	155.2	3098.9
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19660922	153.43	3100.67
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19670125	153.67	3100.43
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19680119	154.35	3099.75
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19690128	154.44	3099.66
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19700121	151.68	3102.42
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19710113	154.02	3100.08
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19720113	154.93	3099.17
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19730104	153.3	3100.8
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19740114	154.8	3099.3
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19750129	149.4	3104.7
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19760114	153.9	3100.2
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19770113	155.34	3098.76
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19780124	155.28	3098.82
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19790117	152.39	3101.71
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19830111	154.95	3099.15
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19880218	150.14	3103.96
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19930115	153.69	3100.41
322329104161801	22S.26E.15.42200	32.391389	-104.271667	NAD27	3254.1	NGVD29	313CPTN	443	19980114	155.32	3098.78
322330104155301	22S.26E.14.322331	32.391667	-104.264722	NAD27	3202.1	NGVD29	313CPTN	125	19471023	95.55	3106.55
322330104155301	22S.26E.14.322331	32.391667	-104.264722	NAD27	3202.1	NGVD29	313CPTN	125	19780117	101.44	3100.66
322330104155301	22S.26E.14.322331	32.391667	-104.264722	NAD27	3202.1	NGVD29	313CPTN	125	19830111	102.75	3099.35
322330104155301	22S.26E.14.322331	32.391667	-104.264722	NAD27	3202.1	NGVD29	313CPTN	125	19880218	97.96	3104.14
322330104155301	22S.26E.14.322331	32.391667	-104.264722	NAD27	3202.1	NGVD29	313CPTN	125	19930108	101.14	3100.96
322330104155301	22S.26E.14.322331	32.391667	-104.264722	NAD27	3202.1	NGVD29	313CPTN	125	19980114	102.18	3099.92
322330104155301	22S.26E.14.322331	32.391667	-104.264722	NAD27	3202.1	NGVD29	313CPTN	125	20030211	103.49	3098.61
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19471023	68.42	3105.37
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19480107	68.7	3105.09
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19480720	66.9	3106.89
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19480921	67.51	3106.28
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19481110	67.82	3105.97
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19490129	66.82	3106.97
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19490319	71.78	3102.01
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19490518	66.46	3107.33
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19490724	66.41	3107.38
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19490921	65.37	3108.42
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19491109	65.12	3108.67

322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19500117	63.87	3109.92
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19500322	64.72	3109.07
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19500516	66.22	3107.57
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19500717	78.34	3095.45
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19500915	65.91	3107.88
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19501114	66.06	3107.73
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19510116	66.19	3107.6
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19510322	65.22	3108.57
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19510718	68.55	3105.24
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19510917	69.53	3104.26
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19511115	69.73	3104.06
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19520120	68.74	3105.05
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19520318	68.96	3104.83
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19520521	69.05	3104.74
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19520716	69.48	3104.31
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19521203	70.77	3103.02
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19530228	69.45	3104.34
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19530320	69.6	3104.19
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19530520	71.02	3102.77
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19530731	84.27	3089.52
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19530929	72.3	3101.49
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19531118	71.41	3102.38
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19540108	70.51	3103.28
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19540309	70.16	3103.63
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19540830	72.42	3101.37
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19541012	70.11	3103.68
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19541108	69.93	3103.86
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19550111	69.33	3104.46
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19550321	70.63	3103.16
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19560106	67.95	3105.84
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19560312	69.39	3104.4
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19560709	72.73	3101.06
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19560926	73.02	3100.77
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19561105	72.46	3101.33
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19570105	71.98	3101.81
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19570515	71.99	3101.8
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19570807	72.85	3100.94
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19571129	71.35	3102.44
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19580110	71.47	3102.32
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19580521	69.58	3104.21
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19580808	65.35	3108.44
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19590529	67.91	3105.88
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19590818	57.4	3116.39
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19600105	62.74	3111.05
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19600321	66.38	3107.41
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19600817	34.92	3138.87
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19601122	39.3	3134.49
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19610105	48.15	3125.64
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19610524	46.14	3127.65
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19610811	46.49	3127.3

322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19620104	68.32	3105.47
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19620511	42.55	3131.24
322348104154201	22S.26E.14.23121	32.396667	-104.261667	NAD27	3173.79	NGVD29	313CPTN	206	19620816	48.11	3125.68
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19471023	49.89	3106.45
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19480107	50.19	3106.15
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19490129	48.35	3107.99
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19500117	45.8	3110.54
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19510116	47.93	3108.41
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19520112	50.23	3106.11
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19530228	50.98	3105.36
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19540108	52	3104.34
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19550111	50.95	3105.39
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19560106	48.55	3107.79
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19580110	53.98	3102.36
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19590107	50.29	3106.05
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19600105	48.21	3108.13
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19610105	46.95	3109.39
322402104153001	22S.26E.11.443333	32.400556	-104.258333	NAD27	3156.34	NGVD29	313CPTN	158	19620123	54.33	3102.01
322411104145401	22S.26E.12.341421	32.403056	-104.248333	NAD27	3132.6	NGVD29	313CPTN	180	19540603	31.22	3101.38
322411104145401	22S.26E.12.341421	32.403056	-104.248333	NAD27	3132.6	NGVD29	313CPTN	180	19590224	28.42	3104.18
322411104145401	22S.26E.12.341421	32.403056	-104.248333	NAD27	3132.6	NGVD29	313CPTN	180	19780112	34.24	3098.36
322411104145401	22S.26E.12.341421	32.403056	-104.248333	NAD27	3132.6	NGVD29	313CPTN	180	19830111	33.67	3098.93
322411104145401	22S.26E.12.341421	32.403056	-104.248333	NAD27	3132.6	NGVD29	313CPTN	180	19880218	32.43	3100.17
322411104145401	22S.26E.12.341421	32.403056	-104.248333	NAD27	3132.6	NGVD29	313CPTN	180	19930107	33.09	3099.51
322411104145401	22S.26E.12.341421	32.403056	-104.248333	NAD27	3132.6	NGVD29	313CPTN	180	19980115	33.15	3099.45
322411104145401	22S.26E.12.341421	32.403056	-104.248333	NAD27	3132.6	NGVD29	313CPTN	180	20030113	34.03	3098.57
322419104153001	22S.26E.11.42313	32.405278	-104.258333	NAD27	3152.2	NGVD29	313CPTN	130	19550920	49.8	3102.4
322429104160101	22S.26E.11.143333	32.408056	-104.266944	NAD27	3165.94	NGVD29	313CPTN	200	19460823	55.7	3110.24
322429104160101	22S.26E.11.143333	32.408056	-104.266944	NAD27	3165.94	NGVD29	313CPTN	200	19470208	51.2	3114.74
322429104160101	22S.26E.11.143333	32.408056	-104.266944	NAD27	3165.94	NGVD29	313CPTN	200	19471024	60.61	3105.33
322429104160101	22S.26E.11.143333	32.408056	-104.266944	NAD27	3165.94	NGVD29	313CPTN	200	19540521	63.65	3102.29
322447104191801	22S.26E.08.11312	32.413056	-104.321667	NAD27	3400.3	NGVD29	313YATS	6	19490317	3.2	3397.1
322447104191801	22S.26E.08.11312	32.413056	-104.321667	NAD27	3400.3	NGVD29	313YATS	6	19780111	-0.5	3400.8
322447104191801	22S.26E.08.11312	32.413056	-104.321667	NAD27	3400.3	NGVD29	313YATS	6	19830111	-1.23	3401.53
322447104191801	22S.26E.08.11312	32.413056	-104.321667	NAD27	3400.3	NGVD29	313YATS	6	19880209	-1.37	3401.67
322447104191801	22S.26E.08.11312	32.413056	-104.321667	NAD27	3400.3	NGVD29	313YATS	6	19930108	-1.53	3401.83
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19460822	26.56	3106.74
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19470208	22.26	3111.04
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19471014	28.38	3104.92
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19480107	28.7	3104.6
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19480209	28.22	3105.08
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19481224	27.38	3105.92
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19490129	26.88	3106.42
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19500117	23.83	3109.47
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19510116	25.71	3107.59
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19520112	28.32	3104.98
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19530115	29.58	3103.72
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19540111	30.19	3103.11
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19550111	29.25	3104.05
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19560106	27.76	3105.54

322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19570105	31.56	3101.74
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19580130	30.93	3102.37
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19590126	27.81	3105.49
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19600107	31.08	3102.22
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19610106	28.34	3104.96
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19620123	31.68	3101.62
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19630121	32	3101.3
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19780110	38.1	3095.2
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19821021	34.87	3098.43
322452104150401	22S.26E.12.11210	32.414444	-104.251111	NAD27	3133.3	NGVD29	313CPTN	206	19830111	34.29	3099.01
322452104175601	22S.26E.09.12213	32.414444	-104.298889	NAD27	3230.2	NGVD29	313TNSL	0	19490317	123.14	3107.06
322452104175601	22S.26E.09.12213	32.414444	-104.298889	NAD27	3230.2	NGVD29	313TNSL	0	19540323	131.36	3098.84
322452104175601	22S.26E.09.12213	32.414444	-104.298889	NAD27	3230.2	NGVD29	313TNSL	0	19540525	128.62	3101.58
322452104175601	22S.26E.09.12213	32.414444	-104.298889	NAD27	3230.2	NGVD29	313TNSL	0	19780111	135.77	3094.43
322452104175601	22S.26E.09.12213	32.414444	-104.298889	NAD27	3230.2	NGVD29	313TNSL	0	19830111	130.73	3099.47
322454104151501	22S.26E.12.11111	32.415	-104.254167	NAD27	3138.4	NGVD29	313CPTN	129	19471023	32.68	3105.72
322454104160001	22S.26E.11.121112	32.415	-104.266667	NAD27	3155	NGVD29	313CPTN	200	19471014	51.12	3103.88
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19480107	77.91	3105.89
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19480720	76.38	3107.42
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19480921	76.44	3107.36
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19481110	76.04	3107.76
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19490129	75.05	3108.75
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19490319	74.7	3109.1
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19490516	76.06	3107.74
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19490724	75.87	3107.93
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19490921	74.11	3109.69
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19491109	73.25	3110.55
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19500117	72.43	3111.37
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19500321	73	3110.8
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19500516	74.88	3108.92
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19500717	75.99	3107.81
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19501114	72.82	3110.98
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19510115	76.97	3106.83
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19520112	76.83	3106.97
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19520318	77.37	3106.43
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19520520	75.93	3107.87
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19520716	77.19	3106.61
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19520912	76.87	3106.93
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19521203	78.5	3105.3
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19530115	78.53	3105.27
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19530731	83.23	3100.57
322456104164801	22S.26E.03.344442	32.415556	-104.28	NAD27	3183.8	NGVD29	313CPTN	360	19531118	82.9	3100.9
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19531118	83.4	3102.2
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19540108	80.37	3105.23
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19540309	84.92	3100.68
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19540706	99.13	3086.47
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19540830	83.76	3101.84
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19541012	82.46	3103.14
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19541104	81.1	3104.5
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19550111	80	3105.6

322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19550316	81.36	3104.24
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19550517	80.67	3104.93
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19550708	86.65	3098.95
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19550913	84.69	3100.91
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19551107	80.06	3105.54
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19560106	77.74	3107.86
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19560312	78.85	3106.75
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19560502	82	3103.6
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19560709	85.35	3100.25
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19560926	85.26	3100.34
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19561105	82.44	3103.16
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19570107	80.96	3104.64
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19570515	82.73	3102.87
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19570807	86.14	3099.46
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19571129	81.75	3103.85
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19580110	80.85	3104.75
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19580808	85.1	3100.5
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19581126	76.54	3109.06
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19590107	76.24	3109.36
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19590529	78.6	3107
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19590818	82.62	3102.98
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19591117	80.11	3105.49
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19600107	101.31	3084.29
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19600321	81.55	3104.05
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19601121	79.47	3106.13
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19610103	77.8	3107.8
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19610524	81.55	3104.05
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19610811	106.05	3079.55
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19611107	82.13	3103.47
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19620104	80.71	3104.89
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19620511	101.22	3084.38
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19620816	87.83	3097.77
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19621115	82.53	3103.07
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19630121	81.6	3104
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19630903	83.75	3101.85
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19640113	81.39	3104.21
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19640827	92.47	3093.13
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19650113	83.56	3102.04
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19650903	90.33	3095.27
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19660107	83.18	3102.42
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19670125	80.59	3105.01
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19680119	81.77	3103.83
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19690128	81.64	3103.96
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19700121	79.68	3105.92
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19710113	81.72	3103.88
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19720107	82.1	3103.5
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19730104	84.87	3100.73
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19740114	84.1	3101.5
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19760114	83.87	3101.73
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19770113	84.98	3100.62

322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19780125	83.61	3101.99
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19790118	79.09	3106.51
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19830110	89.07	3096.53
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19880218	80.35	3105.25
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19930108	82.12	3103.48
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	19980115	83.22	3102.38
322456104164901	22S.26E.03.344441	32.415556	-104.280278	NAD27	3185.6	NGVD29	313CPTN	167	20030211	84.66	3100.94
322500104175001	22S.26E.04.344224	32.416667	-104.297222	NAD27	3226.2	NGVD29	313CPTN	361	19540819	131	3095.2
322500104175001	22S.26E.04.344224	32.416667	-104.297222	NAD27	3226.2	NGVD29	313CPTN	361	19780111	125.8	3100.4
322523104144201	22S.26E.01.233323	32.423056	-104.245	NAD27	3135	NGVD29	313CPTN	245	19480914	32	3103
322523104144201	22S.26E.01.233323	32.423056	-104.245	NAD27	3135	NGVD29	313CPTN	245	19780111	37.09	3097.91
322523104144201	22S.26E.01.233323	32.423056	-104.245	NAD27	3135	NGVD29	313CPTN	245	19830111	36.64	3098.36
322523104144201	22S.26E.01.233323	32.423056	-104.245	NAD27	3135	NGVD29	313CPTN	245	19880218	31.78	3103.22
322523104144201	22S.26E.01.233323	32.423056	-104.245	NAD27	3135	NGVD29	313CPTN	245	19930107	35.04	3099.96
322523104144201	22S.26E.01.233323	32.423056	-104.245	NAD27	3135	NGVD29	313CPTN	245	19980213	34.02	3100.98
322523104144201	22S.26E.01.233323	32.423056	-104.245	NAD27	3135	NGVD29	313CPTN	245	20030131	37.3	3097.7
322523104154301	22S.26E.02.233320	32.423056	-104.261944	NAD27	3215	NGVD29	313CPTN	130	19491116	120.24	3094.76
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19550223	55.6	3104.2
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19590818	57.41	3102.39
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19591117	57.57	3102.23
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19600105	57.12	3102.68
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19600525	59.37	3100.43
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19600816	57.61	3102.19
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19601128	55.53	3104.27
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19610103	54.49	3105.31
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19610411	55.02	3104.78
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19610522	56.36	3103.44
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19610811	58.8	3101
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19610912	58.4	3101.4
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19610918	58.47	3101.33
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19610925	58.61	3101.19
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19611009	58.92	3100.88
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19611016	58.68	3101.12
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19611107	59.28	3100.52
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19620103	57.95	3101.85
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19620511	59.33	3100.47
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19620816	59.78	3100.02
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19621115	58.8	3101
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19630121	58.06	3101.74
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19630903	59.29	3100.51
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19640113	58.2	3101.6
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19640827	63	3096.8
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19650113	60.55	3099.25
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19650903	62.21	3097.59
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19660107	60.13	3099.67
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19660922	58.43	3101.37
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19670125	58.49	3101.31
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19680122	59.06	3100.74
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19690128	58.95	3100.85
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19700121	56.64	3103.16

322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19710113	58.07	3101.73
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19720118	59.85	3099.95
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19730104	58.18	3101.62
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19740114	57.73	3102.07
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19750110	59.85	3099.95
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19760114	58.64	3101.16
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19770113	59.22	3100.58
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19780125	60.2	3099.6
322530104151901	22S.26E.02.24241	32.425	-104.255278	NAD27	3159.8	NGVD29	313CPTN	0	19790126	56.52	3103.28
322533104163301	22S.26E.03.23222A	32.425833	-104.275833	NAD27	3253.55	NGVD29	313CPTN	329	19460911	145.8	3107.75
322534104163301	22S.26E.03.23222	32.426111	-104.275833	NAD27	3253.5	NGVD29	313CPTN	600	19540525	154.83	3098.67
322546104171101	22S.26E.03.111224	32.429444	-104.286389	NAD27	3229.1	NGVD29	313CPTN	102	19830110	42.22	3186.88
322546104171101	22S.26E.03.111224	32.429444	-104.286389	NAD27	3229.1	NGVD29	313CPTN	102	19880316	69.04	3160.06
322549104152901	21S.26E.35.434441	32.430278	-104.258056	NAD27	3186.8	NGVD29	313CPTN	109	19540519	85.05	3101.75
322551104155301	21S.26E.35.343233	32.430833	-104.264722	NAD27	3243	NGVD29	313CPTN	200	19490522	135	3108
322557104171401	21S.26E.33.44242	32.4325	-104.287222	NAD27	3248.7	NGVD29	313CPTN	210	19540520	153.2	3095.5
322557104171401	21S.26E.33.44242	32.4325	-104.287222	NAD27	3248.7	NGVD29	313CPTN	210	19871013	144.45	3104.25
322558104152401	21S.26E.35.44110	32.432778	-104.256667	NAD27	3174	NGVD29	313CPTN	200	19481007	69.5	3104.5
322608104153501	21S.26E.35.411442	32.435556	-104.259722	NAD27	3180.2	NGVD29	313CPTN	0	19540519	78.65	3101.55
322627104152701	21S.26E.35.223	32.440833	-104.2575	NAD27	3138	NGVD29	313TNSL	146	19471217	57.4	3080.6
322627104152701	21S.26E.35.223	32.440833	-104.2575	NAD27	3138	NGVD29	313TNSL	146	19481029	56.24	3081.76
322627104152701	21S.26E.35.223	32.440833	-104.2575	NAD27	3138	NGVD29	313TNSL	146	19490521	55.47	3082.53
322627104152701	21S.26E.35.223	32.440833	-104.2575	NAD27	3138	NGVD29	313TNSL	146	19500123	52.87	3085.13
322629104133101	21S.27E.31.214323	32.441389	-104.225278	NAD27	3115	NGVD29	313CPTN	215	19550322	13.5	3101.5
322629104153701	21S.26E.35.213414	32.441389	-104.260278	NAD27	3154.73	NGVD29	313TNSL	120	19540519	53.68	3101.05
322629104153701	21S.26E.35.213414	32.441389	-104.260278	NAD27	3154.73	NGVD29	313TNSL	120	19780104	56.51	3098.22
322629104153701	21S.26E.35.213414	32.441389	-104.260278	NAD27	3154.73	NGVD29	313TNSL	120	19830207	55.51	3099.22
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19471013	7.49	3104.21
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19480106	7.66	3104.04
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19490127	5.43	3106.27
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19500117	4.64	3107.06
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19500516	8.19	3103.51
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19500717	7	3104.7
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19500915	5.3	3106.4
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19501114	5.5	3106.2
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19510115	6.1	3105.6
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19510322	5.07	3106.63
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19510518	7.05	3104.65
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19510717	8.05	3103.65
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19510917	8.78	3102.92
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19511119	8.84	3102.86
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19520112	7.87	3103.83
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19520318	8.1	3103.6
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19520522	8.4	3103.3
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19520718	8.58	3103.12
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19521203	9.67	3102.03
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19530115	10.75	3100.95
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19530320	10.61	3101.09
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19530520	10.14	3101.56
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19530731	11.37	3100.33

322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19530928	11.4	3100.3
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19531125	10.74	3100.96
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19540108	9.64	3102.06
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19540310	9.35	3102.35
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19540505	12.2	3099.5
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19540708	12.5	3099.2
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19540831	11.39	3100.31
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19541013	8.98	3102.72
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19541108	9.08	3102.62
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19550111	8.55	3103.15
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19550316	10	3101.7
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19550518	10.93	3100.77
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19550708	11.96	3099.74
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19550913	11.47	3100.23
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19551107	8.55	3103.15
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19560106	7.34	3104.36
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19560312	8.29	3103.41
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19560502	10.07	3101.63
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19560709	11.9	3099.8
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19560926	12.29	3099.41
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19561105	11.92	3099.78
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19570107	11.28	3100.42
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19570515	12.06	3099.64
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19570816	13.68	3098.02
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19571129	11.72	3099.98
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19580108	11.12	3100.58
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19580521	10.92	3100.78
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19580808	11.27	3100.43
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19581128	7.72	3103.98
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19590106	7.5	3104.2
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19590529	8.53	3103.17
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19590818	11.15	3100.55
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19591117	11.33	3100.37
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19600123	10.9	3100.8
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19600321	11.83	3099.87
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19600525	13.3	3098.4
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19600817	13.79	3097.91
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19601122	14.24	3097.46
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19610104	8.24	3103.46
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19610524	10.1	3101.6
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19620103	11.66	3100.04
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19620511	13	3098.7
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19620816	13.95	3097.75
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19621115	12.4	3099.3
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19630121	11.8	3099.9
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19630903	12.9	3098.8
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19640113	11.82	3099.88
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19640827	16.8	3094.9
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19650113	14.18	3097.52
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19650907	16	3095.7

322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19660107	13.74	3097.96
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19660922	12.04	3099.66
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19670123	12.16	3099.54
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19680122	12.62	3099.08
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19690129	12.6	3099.1
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19700121	9.16	3102.54
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19700820	14.56	3097.14
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19710113	13.32	3098.38
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19720107	13.73	3097.97
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19720802	16.52	3095.18
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19730104	12.2	3099.5
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19740116	14.1	3097.6
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19740809	17.35	3094.35
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19750110	8.42	3103.28
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19760114	12.48	3099.22
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19770113	13.4	3098.3
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19780125	14.33	3097.37
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19780817	13.74	3097.96
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19790122	10.71	3100.99
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19790829	11.69	3100.01
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19800121	12.15	3099.55
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19800918	14.85	3096.85
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19810120	11.74	3099.96
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19810122	12.74	3098.96
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19810810	14.35	3097.35
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19820219	13.08	3098.62
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19830215	12.93	3098.77
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19830914	14.39	3097.31
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19840109	13.48	3098.22
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19840824	12.37	3099.33
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19850118	11.46	3100.24
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19850828	14.56	3097.14
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19860114	12.44	3099.26
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19860818	11.87	3099.83
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19870121	8.34	3103.36
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19870812	9.22	3102.48
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19880125	9.34	3102.36
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19880816	11.47	3100.23
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19890112	11.43	3100.27
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19890828	13.54	3098.16
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19900124	12.62	3099.08
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19900821	13.93	3097.77
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19910128	13.09	3098.61
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19910820	13.94	3097.76
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19920109	11.55	3100.15
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19920825	11.73	3099.97
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19930210	12.45	3099.25
322636104125801	21S.27E.32.112411	32.443333	-104.216111	NAD27	3111.7	NGVD29	313CPTN	305	19930830	14.18	3097.52
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196204	21.93	3093.07
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19620417	22.17	3092.83

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196205	22.24	3092.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196206	22.45	3092.55
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196207	22.75	3092.25
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196208	22.56	3092.44
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196209	22.42	3092.58
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196210	21.95	3093.05
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196211	21.92	3093.08
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196212	21.66	3093.34
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196301	21.32	3093.68
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196302	21.17	3093.83
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196303	21.04	3093.96
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196304	21.58	3093.42
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196305	22.15	3092.85
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196306	22.81	3092.19
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196307	23.63	3091.37
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196308	23.32	3091.68
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196309	22.24	3092.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196310	22.35	3092.65
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196311	21.92	3093.08
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196312	21.52	3093.48
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196401	21.17	3093.83
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196402	21.06	3093.94
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196403	21.09	3093.91
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196404	22.05	3092.95
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196405	22.85	3092.15
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196406	23.54	3091.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196407	24.71	3090.29
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196408	25.55	3089.45
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196409	25.54	3089.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196410	24.72	3090.28
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196411	23.87	3091.13
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196412	23.53	3091.47
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196501	23.37	3091.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196502	23.27	3091.73
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196503	23.36	3091.64
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196504	24.04	3090.96
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196505	24	3091
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196506	23.71	3091.29
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196507	24.76	3090.24
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196508	24.72	3090.28
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196509	24.51	3090.49
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196510	23.68	3091.32
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196511	23.41	3091.59
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196512	23.22	3091.78
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196601	22.98	3092.02
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196602	23.43	3091.57
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196603	23.45	3091.55
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196604	23.71	3091.29
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196605	23.76	3091.24
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196606	24.48	3090.52

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196607	25.08	3089.92
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196608	24.86	3090.14
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196609	21.51	3093.49
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196610	21.3	3093.7
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196611	21.26	3093.74
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196612	21.84	3093.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196701	21.77	3093.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196702	21.31	3093.69
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196703	21.47	3093.53
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196704	22.21	3092.79
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196705	23.06	3091.94
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196706	23.35	3091.65
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196707	22.88	3092.12
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196708	23.2	3091.8
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196711	22.48	3092.52
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196712	22.35	3092.65
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196801	22.14	3092.86
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196802	21.86	3093.14
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196803	21.83	3093.17
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196804	22.28	3092.72
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196805	22.87	3092.13
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196806	23.55	3091.45
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196807	23.29	3091.71
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196808	23.41	3091.59
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196809	22.96	3092.04
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196810	22.89	3092.11
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196811	22.71	3092.29
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196812	22.52	3092.48
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196901	22.45	3092.55
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196902	22.56	3092.44
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196903	22.72	3092.28
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196904	23.19	3091.81
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196905	23.83	3091.17
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196906	24.1	3090.9
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196907	24.49	3090.51
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196908	24.57	3090.43
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196909	23.49	3091.51
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196910	22.36	3092.64
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196911	20.9	3094.1
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	196912	20.12	3094.88
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197001	19.72	3095.28
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197002	19.49	3095.51
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197003	19.78	3095.22
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197004	20.53	3094.47
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197005	21.47	3093.53
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197006	22.47	3092.53
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197007	22.81	3092.19
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197008	23.31	3091.69
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197009	23.03	3091.97
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197010	22.03	3092.97

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197011	22.05	3092.95
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197012	21.91	3093.09
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197101	21.77	3093.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197102	21.71	3093.29
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197103	21.96	3093.04
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197104	22.86	3092.14
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197105	23.59	3091.41
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197106	24.25	3090.75
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197107	24.97	3090.03
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197108	23.95	3091.05
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197109	23.8	3091.2
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197110	23.35	3091.65
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197111	23.28	3091.72
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197112	23.07	3091.93
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197201	22.9	3092.1
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197202	22.89	3092.11
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197203	23.74	3091.26
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197204	24.35	3090.65
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197205	24.31	3090.69
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197206	24.25	3090.75
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197207	24.64	3090.36
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197208	24.78	3090.22
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197209	22.12	3092.88
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197210	21.63	3093.37
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197211	21.61	3093.39
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197212	21.51	3093.49
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197301	20.78	3094.22
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197302	19.9	3095.1
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197303	19.33	3095.67
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197304	20.52	3094.48
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197305	21.02	3093.98
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197306	20.93	3094.07
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197307	21.51	3093.49
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197308	22.79	3092.21
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197309	22.44	3092.56
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197310	22.66	3092.34
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197311	22.65	3092.35
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197404	23.9	3091.1
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197405	24.26	3090.74
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197406	25.16	3089.84
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197407	25.72	3089.28
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197408	25.73	3089.27
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197409	23.87	3091.13
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197410	19.65	3095.35
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197411	17.66	3097.34
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197412	17.58	3097.42
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197501	17.48	3097.52
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197502	17.35	3097.65
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197503	18.01	3096.99
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197504	18.97	3096.03

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197505	20.07	3094.93
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197506	21.09	3093.91
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197507	21.42	3093.58
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197508	21.52	3093.48
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197509	21.91	3093.09
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197510	22.56	3092.44
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197511	22.1	3092.9
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197512	21.84	3093.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197601	21.66	3093.34
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197602	21.81	3093.19
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197603	22.51	3092.49
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197604	22.88	3092.12
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197605	23.02	3091.98
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197606	24.02	3090.98
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197607	24.17	3090.83
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197608	24.2	3090.8
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197609	23.24	3091.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197610	22.91	3092.09
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197611	22.63	3092.37
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197612	22.43	3092.57
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197701	22.27	3092.73
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197702	22.07	3092.93
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197703	22.4	3092.6
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197704	23.2	3091.8
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197705	23.18	3091.82
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197706	23.78	3091.22
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197707	24.62	3090.38
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197708	24.53	3090.47
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197709	24.05	3090.95
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197710	23.73	3091.27
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197711	23.44	3091.56
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197712	23.31	3091.69
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197801	23.29	3091.71
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197802	23.07	3091.93
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197803	23.5	3091.5
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197804	23.75	3091.25
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197805	23.84	3091.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197806	24.29	3090.71
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197807	24.46	3090.54
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197808	24.18	3090.82
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197809	23.19	3091.81
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197810	21.69	3093.31
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197811	20.85	3094.15
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197812	20.18	3094.82
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197901	19.96	3095.04
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197902	19.83	3095.17
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197903	19.95	3095.05
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197904	20.48	3094.52
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197905	21.09	3093.91
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197906	20.89	3094.11

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197907	21.17	3093.83
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197908	20.96	3094.04
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197909	21.31	3093.69
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197910	21.63	3093.37
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197911	21.84	3093.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	197912	21.46	3093.54
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198001	21.27	3093.73
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198002	21.1	3093.9
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198003	21.34	3093.66
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198004	22.02	3092.98
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198005	22.63	3092.37
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198006	23.43	3091.57
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198007	24.15	3090.85
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198008	23.91	3091.09
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198009	22.73	3092.27
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198010	21.18	3093.82
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198011	21.08	3093.92
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198012	21.11	3093.89
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198101	20.72	3094.28
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198102	20.16	3094.84
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198103	20.63	3094.37
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198104	21.3	3093.7
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198105	21.78	3093.22
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198106	22.58	3092.42
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198107	22.86	3092.14
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198108	22.74	3092.26
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19810831	22.65	3092.35
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198109	22.45	3092.55
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198110	22.37	3092.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198111	22.27	3092.73
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198112	22.27	3092.73
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198202	22.13	3092.87
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198203	23.09	3091.91
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19820309	22.77	3092.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198204	23.31	3091.69
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198205	23.04	3091.96
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198206	23.54	3091.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198207	23.63	3091.37
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198208	23.88	3091.12
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19820818	23.94	3091.06
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198209	23.77	3091.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198210	23.32	3091.68
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198211	22.85	3092.15
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198212	22.77	3092.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198301	22.56	3092.44
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198302	22.31	3092.69
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198303	22.75	3092.25
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19830323	22.84	3092.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198304	22.92	3092.08
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198305	23.5	3091.5

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198308	24.11	3090.89
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19830822	24.18	3090.82
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198309	24.15	3090.85
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198310	23.43	3091.57
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198401	22.51	3092.49
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198402	22.08	3092.92
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19840220	22.2	3092.8
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198403	22.37	3092.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198404	23.22	3091.78
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198405	23.73	3091.27
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198406	23.56	3091.44
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198407	23.37	3091.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198408	22.47	3092.53
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19840821	21.89	3093.11
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198409	21.89	3093.11
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198410	21.89	3093.11
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198411	21.87	3093.13
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198412	21.74	3093.26
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198501	20.55	3094.45
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19850118	20.79	3094.21
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198504	21.92	3093.08
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198505	22.07	3092.93
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198506	22.5	3092.5
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198507	23.01	3091.99
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198508	23.56	3091.44
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198509	23.2	3091.8
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198510	22.69	3092.31
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198511	22.51	3092.49
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198512	22.44	3092.56
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198601	21.73	3093.27
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19860114	21.8	3093.2
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198602	21.3	3093.7
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198603	22.17	3092.83
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198604	22.88	3092.12
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198605	23.53	3091.47
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198606	22.57	3092.43
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198607	20.03	3094.97
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198608	20.9	3094.1
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19860818	20.99	3094.01
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198609	20.65	3094.35
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198610	20.57	3094.43
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198611	18.62	3096.38
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	198612	18.28	3096.72
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19870121	17.96	3097.04
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19870721	18.03	3096.97
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19870817	18.69	3096.31
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880125	18.84	3096.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880218	18.22	3096.78
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880321	18.62	3096.38
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880415	19.76	3095.24

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880418	19.74	3095.26
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880525	20.84	3094.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880620	21.4	3093.6
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880721	21.07	3093.93
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880816	20.88	3094.12
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19880927	20.49	3094.51
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19881031	20.77	3094.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19881121	21.09	3093.91
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890127	20.85	3094.15
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890221	20.97	3094.03
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890317	21.41	3093.59
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890427	22.04	3092.96
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890522	22.47	3092.53
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890616	22.43	3092.57
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890724	22.98	3092.02
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890828	22.99	3092.01
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19890925	22.66	3092.34
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19891030	22.31	3092.69
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19891127	22.06	3092.94
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19891218	21.96	3093.04
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900124	22.15	3092.85
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900221	22.07	3092.93
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900322	22.66	3092.34
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900419	22.84	3092.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900515	23.29	3091.71
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900620	24.23	3090.77
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900718	23.69	3091.31
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900821	23.16	3091.84
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19900920	23.29	3091.71
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19901025	22.99	3092.01
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910128	22.45	3092.55
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910222	22.54	3092.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910312	22.65	3092.35
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910320	22.88	3092.12
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910528	23.72	3091.28
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910621	23.85	3091.15
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910723	23.4	3091.6
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910820	22.85	3092.15
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19910926	21.38	3093.62
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19911030	21.39	3093.61
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19911121	21	3094
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19911223	20.74	3094.26
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19920131	21.04	3093.96
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19920326	21.37	3093.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19920424	21.79	3093.21
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19920526	21.67	3093.33
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19920629	19.06	3095.94
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19920727	20.3	3094.7
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19921023	21.02	3093.98
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19921123	20.8	3094.2

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19921222	21.04	3093.96
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930113	20.96	3094.04
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930201	21.87	3093.13
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930222	22.1	3092.9
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930324	22.06	3092.94
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930422	22.37	3092.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930525	22.81	3092.19
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930628	22.96	3092.04
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930721	22.53	3092.47
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930830	23.27	3091.73
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19930927	23.17	3091.83
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19931030	22.54	3092.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19931130	22.34	3092.66
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19931230	22.39	3092.61
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19940121	22.7	3092.3
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19940222	23.25	3091.75
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19940323	23.2	3091.8
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19940418	23.5	3091.5
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19940527	22.87	3092.13
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19940620	23.43	3091.57
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19940728	23.55	3091.45
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19940915	23.3	3091.7
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19941019	22.54	3092.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19941115	22.28	3092.72
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19941228	22.41	3092.59
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19950123	23.28	3091.72
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19950224	24.15	3090.85
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19950320	24.56	3090.44
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19950420	23.98	3091.02
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19950516	23.73	3091.27
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19950720	23.47	3091.53
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19951023	22.71	3092.29
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19960119	22.48	3092.52
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19960419	23.08	3091.92
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19960516	23.71	3091.29
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19960621	23.6	3091.4
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19960719	23.34	3091.66
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19960819	23.61	3091.39
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19960920	22.28	3092.72
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19961021	22.28	3092.72
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19961120	21.81	3093.19
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19961220	21.88	3093.12
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970121	21.81	3093.19
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970228	21.55	3093.45
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970319	22.03	3092.97
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970425	22.49	3092.51
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970516	22.78	3092.22
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970620	23.09	3091.91
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970724	23.39	3091.61
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970822	23.12	3091.88

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19970919	23.23	3091.77
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19971022	22.22	3092.78
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19971118	21.54	3093.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19971229	21.77	3093.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19980123	22.46	3092.54
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19980213	22.84	3092.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19980421	24.12	3090.88
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19980522	24.07	3090.93
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19980713	24.16	3090.84
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19980818	23.78	3091.22
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19980904	23.44	3091.56
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19981006	23.54	3091.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19981106	22.49	3092.51
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19990414	22.39	3092.61
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19990513	23.01	3091.99
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19990614	23.15	3091.85
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19990713	22.97	3092.03
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19990825	23.27	3091.73
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19991006	23.1	3091.9
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19991103	22.54	3092.46
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	19991206	22.68	3092.32
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000111	22.72	3092.28
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000210	22.95	3092.05
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000310	23.32	3091.68
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000310	23.32	3091.68
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000410	23.37	3091.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000503	23.52	3091.48
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000608	23.69	3091.31
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000714	23.61	3091.39
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000811	23.79	3091.21
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20000906	23.9	3091.1
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20001020	22.99	3092.01
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20001115	22.36	3092.64
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20001212	22.39	3092.61
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20010116	22.22	3092.78
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20010221	23.06	3091.94
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20010327	23.24	3091.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20010425	23.77	3091.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20010530	23.71	3091.29
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20010627	23.85	3091.15
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20010726	24.11	3090.89
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20011001	23.95	3091.05
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20011001	23.95	3091.05
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20011119	23.24	3091.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20011207	22.97	3092.03
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020124	22.95	3092.05
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020227	22.63	3092.37
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020326	22.77	3092.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020424	23.42	3091.58
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020529	23.7	3091.3

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020626	24.03	3090.97
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020724	23.51	3091.49
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020827	23.84	3091.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20020924	23.7	3091.3
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20021002	23.75	3091.25
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20021105	22.94	3092.06
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20021213	22.24	3092.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030114	22.4	3092.6
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030213	23.46	3091.54
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030310	24.44	3090.56
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030417	24.76	3090.24
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030527	24.68	3090.32
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030619	24.93	3090.07
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030723	25.38	3089.62
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030820	25.37	3089.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20030924	25.2	3089.8
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20031029	23.84	3091.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20031120	23.59	3091.41
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20031217	23.32	3091.68
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20040130	23.13	3091.87
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20040225	23.12	3091.88
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20040329	23.12	3091.88
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20040430	22.02	3092.98
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20040527	22.3	3092.7
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20040625	22.53	3092.47
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20040722	22.6	3092.4
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20040830	21.6	3093.4
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20041013	20.56	3094.44
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20041202	19.77	3095.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20050207	20.37	3094.63
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20050418	19.61	3095.39
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20050614	20.92	3094.08
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20050810	21.62	3093.38
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20051005	21.24	3093.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20051202	20.64	3094.36
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20060210	22	3093
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20060411	22.24	3092.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20060630	22.73	3092.27
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20060807	22.73	3092.27
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20061003	21.77	3093.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20061201	21.44	3093.56
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20070201	21.49	3093.51
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20070409	21.68	3093.32
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20070601	21.39	3093.61
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20070802	20.88	3094.12
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20070807	21.36	3093.64
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20071015	21.24	3093.76
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20071204	21.12	3093.88
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20080213	22.44	3092.56
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20080407	22.36	3092.64

322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20080609	23.16	3091.84
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20080825	22.77	3092.23
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20081003	22.67	3092.33
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20081201	22.18	3092.82
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20090224	21.84	3093.16
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20090402	22.36	3092.64
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20090611	23.44	3091.56
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20090813	23.04	3091.96
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20091001	22.79	3092.21
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20091203	22.34	3092.66
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20100205	22.58	3092.42
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20100414	22.25	3092.75
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20100607	23.21	3091.79
322637104142301	21S.26E.36.22110	32.4425	-104.241389	NAD83	3115	NGVD29	313CPTN	327	20101001	21.93	3093.07
322637104180001	21S.26E.33.11224	32.443611	-104.3	NAD27	3265.8	NGVD29	313CPTN	308	19780112	166.02	3099.78
322639104154501	21S.26E.35.122214	32.444167	-104.2625	NAD27	3184.12	NGVD29	313TNSL	87	19470115	78.3	3105.82
322639104154501	21S.26E.35.122214	32.444167	-104.2625	NAD27	3184.12	NGVD29	313TNSL	87	19540325	79.8	3104.32
322639104154501	21S.26E.35.122214	32.444167	-104.2625	NAD27	3184.12	NGVD29	313TNSL	87	19780113	83.46	3100.66
322639104154501	21S.26E.35.122214	32.444167	-104.2625	NAD27	3184.12	NGVD29	313TNSL	87	19830105	82.26	3101.86
322639104154501	21S.26E.35.122214	32.444167	-104.2625	NAD27	3184.12	NGVD29	313TNSL	87	19880209	78.09	3106.03
322639104154501	21S.26E.35.122214	32.444167	-104.2625	NAD27	3184.12	NGVD29	313TNSL	87	19920504	82.42	3101.7
322639104154501	21S.26E.35.122214	32.444167	-104.2625	NAD27	3184.12	NGVD29	313TNSL	87	19980218	82.6	3101.52
322639104154501	21S.26E.35.122214	32.444167	-104.2625	NAD27	3184.12	NGVD29	313TNSL	87	20030131	83.17	3100.95
322640104132801	21S.27E.30.434434	32.444444	-104.224444	NAD27	3115	NGVD29	313CPTN	250	19471009	10.41	3104.59
322640104142301	21S.26E.25.44330	32.444444	-104.239722	NAD27	3121	NGVD29	313CPTN	350	19500113	13.11	3107.89
322640104142301	21S.26E.25.44330	32.444444	-104.239722	NAD27	3121	NGVD29	313CPTN	350	19500125	12.22	3108.78
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19471009	22.64	3100.06
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19480106	22.99	3099.71
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19490127	24.35	3098.35
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19500117	23.91	3098.79
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19510115	22.67	3100.03
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19520111	23.16	3099.54
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19530114	23.8	3098.9
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19540107	23.83	3098.87
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19550111	23.79	3098.91
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19560105	23.45	3099.25
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19570107	24.44	3098.26
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19580108	24.39	3098.31
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19590106	23.02	3099.68
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19600105	24.19	3098.51
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19610103	23.4	3099.3
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19620103	25.85	3096.85
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19630118	24.46	3098.24
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19640113	24.39	3098.31
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19640827	27.35	3095.35
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19650113	25.27	3097.43
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19660106	24.95	3097.75
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19660923	21.2	3101.5
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19670123	24.81	3097.89
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19680122	24.62	3098.08

322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19690128	24.75	3097.95
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19700120	19.65	3103.05
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19700121	24.3	3098.4
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19710113	25.6	3097.1
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19720107	24.86	3097.84
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19730104	24.48	3098.22
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19740116	24.76	3097.94
322640104143101	21S.26E.25.43430	32.444444	-104.241944	NAD27	3122.7	NGVD29	313CPTN	200	19750110	23.56	3099.14
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19471009	18.67	3105.98
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19480106	19.55	3105.1
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19490127	17.28	3107.37
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19500117	15.11	3109.54
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19510115	16.93	3107.72
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19520111	19.14	3105.51
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19540107	21.5	3103.15
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19550111	20.13	3104.52
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19560105	19.63	3105.02
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19570112	23.68	3100.97
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19580108	23.18	3101.47
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19590106	20.02	3104.63
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19600128	23.36	3101.29
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19610103	20.7	3103.95
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19620103	24.11	3100.54
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19630118	24.36	3100.29
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19640113	24.18	3100.47
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19650113	25.85	3098.8
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19660113	25.41	3099.24
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19670123	23.93	3100.72
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19680122	25.27	3099.38
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19690128	25.56	3099.09
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19700121	22.62	3102.03
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19710113	24.84	3099.81
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19720113	25.69	3098.96
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19730104	24.27	3100.38
322640104144601	21S.26E.25.34434	32.444444	-104.246111	NAD27	3124.65	NGVD29	313CPTN	304	19740116	17.6	3107.05
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19471020	11.2	3105
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19480106	11.47	3104.73
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19490127	9.29	3106.91
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19500117	7.19	3109.01
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19510115	9.28	3106.92
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19520111	11.45	3104.75
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19540108	13.33	3102.87
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19550111	12.26	3103.94
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19560106	10.93	3105.27
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19570107	14.95	3101.25
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19580108	14.78	3101.42
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19590112	11.28	3104.92
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19600105	14.53	3101.67
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19610117	12.1	3104.1
322643104140101	21S.27E.30.334321	32.445278	-104.233611	NAD27	3116.2	NGVD29	313CPTN	0	19620103	15.3	3100.9

322645104132601	21S.27E.30.434224	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19461206	5.7	3110.3
322645104132601	21S.27E.30.434224	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19470206	4.9	3111.1
322645104132601	21S.27E.30.434224	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19471009	13.33	3102.67
322645104132601	21S.27E.30.434224	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19490127	12.96	3103.04
322645104132601	21S.27E.30.434224	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19500117	6.72	3109.28
322645104132601	21S.27E.30.434224	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19510115	13.36	3102.64
322645104132601	21S.27E.30.434224	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19520119	13.32	3102.68
322645104132601	21S.27E.30.434224	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19530114	12.01	3103.99
322645104132602	21S.27E.30.434224A	32.445833	-104.223889	NAD27	3116	NGVD29	313CPTN	315	19471009	35	3081
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19471010	10.95	3105.85
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19480106	11.1	3105.7
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19481220	9.81	3106.99
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19490127	8.9	3107.9
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19500117	6.8	3110
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19510115	8.92	3107.88
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19520111	11.11	3105.69
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19530114	12.59	3104.21
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19540108	13.01	3103.79
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19550111	11.94	3104.86
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19560111	10.75	3106.05
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19570107	14.7	3102.1
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19580126	14.34	3102.46
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19590106	10.84	3105.96
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19600127	14.19	3102.61
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19610103	11.5	3105.3
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19620103	14.88	3101.92
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19630121	14.98	3101.82
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19640103	15.04	3101.76
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19640827	19.82	3096.98
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19650113	17.39	3099.41
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19660106	17.03	3099.77
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19670119	15.51	3101.29
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19680122	15.97	3100.83
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19700121	13.6	3103.2
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19710113	15.23	3101.57
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19720118	15.54	3101.26
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19730112	15.38	3101.42
322646104133701	21S.27E.30.43312	32.446111	-104.226944	NAD27	3116.8	NGVD29	313CPTN	220	19740114	13.91	3102.89
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19471013	19.78	3100.32
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19480106	19.91	3100.19
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19490127	17.62	3102.48
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19500117	15.62	3104.48
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19510115	17.85	3102.25
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19520112	20.02	3100.08
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19530114	21.22	3098.88
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19540108	21.85	3098.25
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19550111	20.8	3099.3
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19560105	19.43	3100.67
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19570107	23.39	3096.71
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19580108	23.7	3096.4

322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19590106	19.59	3100.51
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19600127	23.08	3097.02
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19610104	20.4	3099.7
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19620103	23.95	3096.15
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19630121	24.26	3095.84
322647104122901	21S.27E.29.43234	32.446389	-104.208056	NAD27	3120.1	NGVD29	313CPTN	324	19640113	24.76	3095.34
322649104132001	21S.27E.30.441412	32.446944	-104.222222	NAD27	3116	NGVD29	313CPTN	268	19471020	14.65	3101.35
322649104132001	21S.27E.30.441412	32.446944	-104.222222	NAD27	3116	NGVD29	313CPTN	268	19821019	16.12	3099.88
322650104121001	21S.27E.29.44224	32.447222	-104.202778	NAD27	3145.6	NGVD29	313CPTN	458	19540507	42.95	3102.65
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19471020	9.92	3102.68
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19480106	10.63	3101.97
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19480322	9.76	3102.84
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19480519	9.35	3103.25
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19480720	8.14	3104.46
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19480921	8.94	3103.66
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19481110	9.55	3103.05
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19490127	10.14	3102.46
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19490319	9.39	3103.21
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19490517	9.16	3103.44
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19490723	8.58	3104.02
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19490921	7.8	3104.8
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19491109	9.32	3103.28
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19500117	10.22	3102.38
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19500321	8.77	3103.83
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19500516	9.08	3103.52
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19500717	9.69	3102.91
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19500915	8.46	3104.14
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19501114	8.73	3103.87
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19510115	10.06	3102.54
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19510322	11.47	3101.13
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19510518	13.96	3098.64
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19510717	17.84	3094.76
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19510917	16.15	3096.45
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19511119	13.56	3099.04
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19520112	13.44	3099.16
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19520318	13.8	3098.8
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19520522	13.82	3098.78
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19520718	14	3098.6
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19520911	13.78	3098.82
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19521203	14.16	3098.44
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19530114	14.32	3098.28
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19530320	15.87	3096.73
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19530520	14.2	3098.4
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19530731	15.17	3097.43
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19530928	14.22	3098.38
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19531125	14.98	3097.62
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19540107	14.72	3097.88
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19540310	14.76	3097.84
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19540505	14.81	3097.79
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19540708	18.13	3094.47

322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19540831	16.28	3096.32
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19541013	15.53	3097.07
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19541108	17.63	3094.97
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19550111	17.27	3095.33
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19550316	18.31	3094.29
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19550518	16.78	3095.82
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19550708	18.61	3093.99
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19550913	13.88	3098.72
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19551107	13.43	3099.17
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19560105	13.9	3098.7
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19560312	13.89	3098.71
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19560502	13.61	3098.99
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19560709	13.85	3098.75
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19560926	14	3098.6
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19561105	14.4	3098.2
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19570105	14.76	3097.84
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19570515	14.77	3097.83
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19570807	15.55	3097.05
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19571129	14.36	3098.24
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19580108	14.38	3098.22
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19580521	13.44	3099.16
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19580808	12.86	3099.74
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19581128	12.8	3099.8
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19590106	13.12	3099.48
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19590529	12.55	3100.05
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19590818	12.43	3100.17
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19591117	13.76	3098.84
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19600105	14.05	3098.55
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19600321	14.26	3098.34
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19600525	13.91	3098.69
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19600817	13.08	3099.52
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19601122	13.47	3099.13
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19610103	13.54	3099.06
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19610524	13.11	3099.49
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19610811	12.92	3099.68
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19611107	14.01	3098.59
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19620118	14.42	3098.18
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19620511	13.87	3098.73
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19620816	13.57	3099.03
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19621115	14.01	3098.59
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19630121	14.52	3098.08
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19630903	13.95	3098.65
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19640113	14.62	3097.98
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19640827	17.36	3095.24
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19650113	15.36	3097.24
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19650907	15.52	3097.08
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19660106	14.89	3097.71
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19660922	13.98	3098.62
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19670123	15.41	3097.19
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19680122	14.78	3097.82

322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19690129	15.48	3097.12
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19700121	14.52	3098.08
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19710113	18.26	3094.34
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19720107	16.32	3096.28
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19730104	14.28	3098.32
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19740116	14.55	3098.05
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19750110	12.78	3099.82
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19760114	14.41	3098.19
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19770113	14.52	3098.08
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19780125	14.81	3097.79
322653104131501	21S.27E.30.42434	32.448056	-104.220833	NAD27	3112.6	NGVD29	313CPTN	256	19790122	13.36	3099.24
322653104134501	21S.27E.30.32434	32.448056	-104.229167	NAD27	3120	NGVD29	313CPTN	0	19471010	15.95	3104.05
322654104131501	21S.27E.30.424341	32.448333	-104.220833	NAD27	3114	NGVD29	313CPTN	269	19471015	24.48	3089.52
322654104131501	21S.27E.30.424341	32.448333	-104.220833	NAD27	3114	NGVD29	313CPTN	269	19480923	25.9	3088.1
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19471010	11.23	3104.57
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19480106	11.5	3104.3
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19490127	9.37	3106.43
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19500117	7.48	3108.32
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19510115	9.66	3106.14
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19520112	11.82	3103.98
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19530114	13.18	3102.62
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19540107	13.6	3102.2
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19550111	12.85	3102.95
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19560105	10.9	3104.9
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19570107	15.51	3100.29
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19580108	15.4	3100.4
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19590106	11.92	3103.88
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19600105	15.63	3100.17
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19610104	13.66	3102.14
322702104130401	21S.27E.29.311421	32.450556	-104.217778	NAD27	3115.8	NGVD29	313CPTN	288	19620103	16.5	3099.3
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19630118	92.03	3089.97
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19640113	92.16	3089.84
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196408	96.27	3085.73
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196501	94.19	3087.81
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196509	95.78	3086.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196510	92.89	3089.11
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196511	92.63	3089.37
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196512	92.47	3089.53
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196601	92.31	3089.69
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19660107	94.06	3087.94
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196602	92.07	3089.93
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196603	92.62	3089.38
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196604	93.03	3088.97
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196605	93.07	3088.93
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196606	93.82	3088.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196607	94.47	3087.53
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196608	93.8	3088.2
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196609	91.07	3090.93
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19660916	92.53	3089.47
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196610	90.76	3091.24

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196611	90.71	3091.29
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196612	91.15	3090.85
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196701	91.35	3090.65
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196702	90.82	3091.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196703	90.96	3091.04
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196704	91.78	3090.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196705	92.68	3089.32
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196706	92.91	3089.09
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196707	92.55	3089.45
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196708	92.92	3089.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196711	92.25	3089.75
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196712	92.13	3089.87
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196801	91.95	3090.05
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196802	91.57	3090.43
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196803	91.53	3090.47
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196804	92.34	3089.66
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196805	92.66	3089.34
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196806	93.25	3088.75
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196807	92.81	3089.19
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196810	91.66	3090.34
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196811	91.64	3090.36
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196812	92.47	3089.53
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196901	92.42	3089.58
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196902	92.48	3089.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196903	94.36	3087.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196904	94.88	3087.12
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196905	95.51	3086.49
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196906	95.82	3086.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196907	96.18	3085.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196908	96.3	3085.7
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196909	95.25	3086.75
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196910	94.11	3087.89
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196911	92.65	3089.35
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	196912	91.99	3090.01
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197001	91.45	3090.55
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197002	91.17	3090.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197003	91.43	3090.57
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197004	92.21	3089.79
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197005	93.22	3088.78
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197006	94.18	3087.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197007	94.51	3087.49
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197008	95.05	3086.95
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197009	94.88	3087.12
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197010	93.9	3088.1
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197011	93.87	3088.13
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197012	93.78	3088.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197101	93.61	3088.39
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197102	93.55	3088.45
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197103	93.88	3088.12
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197104	94.74	3087.26

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197105	95.58	3086.42
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197106	96.23	3085.77
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197107	96.92	3085.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197108	96.01	3085.99
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197109	95.83	3086.17
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197110	95.42	3086.58
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197111	95.36	3086.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197112	95.17	3086.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197201	95.02	3086.98
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197202	95.04	3086.96
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197203	95.91	3086.09
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197204	96.62	3085.38
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197205	96.64	3085.36
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197206	96.57	3085.43
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197207	96.96	3085.04
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197208	97.08	3084.92
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197209	94.68	3087.32
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197211	93.7	3088.3
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197212	93.6	3088.4
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197301	92.98	3089.02
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197303	91.39	3090.61
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197304	92.55	3089.45
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197305	93.31	3088.69
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197306	92.48	3089.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197308	94.91	3087.09
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197309	94.71	3087.29
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197310	94.93	3087.07
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197311	94.88	3087.12
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197312	94.94	3087.06
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197401	95.09	3086.91
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197402	95.36	3086.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197403	96	3086
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197404	96.43	3085.57
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197405	96.44	3085.56
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197406	97.81	3084.19
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197407	98.34	3083.66
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197408	98.35	3083.65
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197409	96.54	3085.46
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197410	92.41	3089.59
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197411	90.31	3091.69
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197412	90.17	3091.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197501	90.05	3091.95
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197502	89.95	3092.05
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197503	90.29	3091.71
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197504	91.5	3090.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197505	92.63	3089.37
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197506	93.93	3088.07
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197507	94.08	3087.92
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197508	94.38	3087.62
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197509	94.55	3087.45

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197510	94.78	3087.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197511	94.57	3087.43
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197512	94.45	3087.55
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197601	94.35	3087.65
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197602	94.5	3087.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197603	95.16	3086.84
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197604	95.52	3086.48
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197605	95.74	3086.26
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197606	96.77	3085.23
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197607	96.86	3085.14
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197608	96.89	3085.11
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197609	96.04	3085.96
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197610	95.63	3086.37
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197611	95.41	3086.59
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197612	95.17	3086.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197701	95.15	3086.85
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197702	94.82	3087.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197703	94.98	3087.02
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197704	95.76	3086.24
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197705	95.76	3086.24
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197706	96.44	3085.56
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197707	97.25	3084.75
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197708	97.14	3084.86
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197709	96.65	3085.35
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197710	96.2	3085.8
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197711	96.19	3085.81
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197712	96.17	3085.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197801	96.11	3085.89
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197802	95.93	3086.07
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19780221	96.31	3085.69
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197803	96.33	3085.67
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197804	96.51	3085.49
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197805	96.5	3085.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197806	96.5	3085.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197807	97.11	3084.89
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197808	96.5	3085.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197809	95.89	3086.11
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197810	94.48	3087.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197811	93.56	3088.44
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197812	92.67	3089.33
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197901	92.36	3089.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197902	91.94	3090.06
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197903	91.92	3090.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197904	92.69	3089.31
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197905	93.34	3088.66
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197906	93.25	3088.75
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197907	93.5	3088.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197908	93.25	3088.75
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197909	93.64	3088.36
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197910	93.97	3088.03

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	197911	93.5	3088.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198003	93.85	3088.15
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198004	94.41	3087.59
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198005	95.06	3086.94
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198006	95.8	3086.2
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198007	96.54	3085.46
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198008	96.37	3085.63
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198009	95.67	3086.33
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198010	93.58	3088.42
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198011	93.47	3088.53
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198012	93.47	3088.53
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198101	93.1	3088.9
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198102	92.56	3089.44
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198103	92.93	3089.07
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198104	93.69	3088.31
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198105	94.14	3087.86
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198106	94.55	3087.45
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198107	95.52	3086.48
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198108	95.17	3086.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198109	94.91	3087.09
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198110	94.81	3087.19
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198111	94.57	3087.43
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198112	94.56	3087.44
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198201	94.41	3087.59
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198202	94.31	3087.69
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198203	95.18	3086.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198206	95.75	3086.25
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198211	95.18	3086.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198212	95.08	3086.92
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198301	94.82	3087.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198302	94.54	3087.46
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198303	95	3087
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198304	95.07	3086.93
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198305	95.78	3086.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198306	95.99	3086.01
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198307	96.54	3085.46
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198308	96.38	3085.62
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19830921	96.48	3085.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198310	95.42	3086.58
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198311	94.95	3087.05
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198312	94.86	3087.14
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198401	94.22	3087.78
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198402	93.89	3088.11
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19840220	94.2	3087.8
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198403	93.82	3088.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198404	94.56	3087.44
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198405	95.39	3086.61
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198406	95.1	3086.9
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198407	95.05	3086.95
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198408	93.58	3088.42

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19840821	93.86	3088.14
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198409	93.39	3088.61
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198410	93.56	3088.44
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198411	93.55	3088.45
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	198412	93.29	3088.71
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19850117	92.82	3089.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19860114	93.14	3088.86
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19860818	92.38	3089.62
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19870121	89.16	3092.84
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19870721	89.32	3092.68
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19870817	89.92	3092.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880125	90.18	3091.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880218	89.49	3092.51
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880321	89.9	3092.1
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880418	91.09	3090.91
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880525	92.18	3089.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880620	92.67	3089.33
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880721	92.46	3089.54
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880816	92.08	3089.92
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19880927	91.87	3090.13
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19881031	92.01	3089.99
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19881121	92.45	3089.55
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890127	92.2	3089.8
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890221	92.38	3089.62
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890317	92.67	3089.33
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890427	93.37	3088.63
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890522	93.78	3088.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890616	93.7	3088.3
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890724	94.18	3087.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890828	94.09	3087.91
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19890925	93.89	3088.11
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19891030	93.6	3088.4
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19891127	93.39	3088.61
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19891218	93.15	3088.85
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900124	93.31	3088.69
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900221	93.25	3088.75
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900322	93.85	3088.15
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900419	94.15	3087.85
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900515	94.6	3087.4
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900620	95.7	3086.3
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900718	95.21	3086.79
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900821	94.69	3087.31
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19900920	94.75	3087.25
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19901025	94.48	3087.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19910128	93.92	3088.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19910222	94.05	3087.95
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19910320	94.43	3087.57
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19910528	95.35	3086.65
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19910621	95.42	3086.58
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19910723	95.06	3086.94

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19910820	94.4	3087.6
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19910926	93.05	3088.95
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19911030	92.92	3089.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19911121	92.42	3089.58
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19911223	92.13	3089.87
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19920131	92.36	3089.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19920327	92.69	3089.31
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19920423	93.01	3088.99
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19920527	92.87	3089.13
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19920629	90.36	3091.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19920727	91.57	3090.43
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19920825	92.08	3089.92
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19921023	92.35	3089.65
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19921124	92.14	3089.86
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19921222	92.38	3089.62
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930201	93.07	3088.93
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930222	93.3	3088.7
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930324	93.4	3088.6
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930422	93.78	3088.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930525	94.16	3087.84
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930628	94.27	3087.73
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930728	94.13	3087.87
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930827	94.62	3087.38
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19930927	94.46	3087.54
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19931031	93.75	3088.25
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19931129	93.61	3088.39
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19931230	93.72	3088.28
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19940121	93.97	3088.03
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19940222	94.35	3087.65
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19940323	94.44	3087.56
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19940418	94.8	3087.2
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19940527	94.13	3087.87
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19940620	94.65	3087.35
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19940818	95.05	3086.95
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19940915	94.43	3087.57
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19941019	93.77	3088.23
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19941114	93.34	3088.66
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19941228	93.54	3088.46
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19950123	94.3	3087.7
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19950224	95.17	3086.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19950320	95.61	3086.39
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19950421	95.08	3086.92
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19950516	94.82	3087.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19950720	94.51	3087.49
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19951023	93.52	3088.48
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19960119	93.23	3088.77
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19960220	93.56	3088.44
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19960321	93.69	3088.31
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19960516	94.38	3087.62
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19960621	94.22	3087.78

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19960719	94.06	3087.94
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19960819	94.02	3087.98
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19960920	93.03	3088.97
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19961021	93.5	3088.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19961120	93.53	3088.47
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19961220	93.06	3088.94
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970121	93.09	3088.91
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970228	92.28	3089.72
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970319	92.77	3089.23
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970425	93.2	3088.8
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970516	93.33	3088.67
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970620	93.78	3088.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970724	94.09	3087.91
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970822	93.82	3088.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19970922	93.96	3088.04
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19971022	93.2	3088.8
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19971119	92.37	3089.63
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19971229	92.55	3089.45
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19980123	93.15	3088.85
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19980522	95.04	3086.96
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19980713	95.05	3086.95
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19980820	94.7	3087.3
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19980904	94.29	3087.71
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19981008	94.45	3087.55
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19981117	93.26	3088.74
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19990322	93.11	3088.89
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19990407	93.21	3088.79
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19990507	93.61	3088.39
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19990604	93.56	3088.44
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19990713	93.97	3088.03
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19990825	94.13	3087.87
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19991006	93.99	3088.01
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	19991103	93.36	3088.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000104	93.41	3088.59
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000131	93.59	3088.41
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000309	93.92	3088.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000309	93.92	3088.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000410	94.05	3087.95
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000503	94.17	3087.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000605	94.43	3087.57
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000714	94.2	3087.8
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000811	94.3	3087.7
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20000906	94.38	3087.62
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20001020	93.82	3088.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20001115	93.09	3088.91
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20001212	93	3089
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20010116	92.82	3089.18
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20010221	93.47	3088.53
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20010328	93.8	3088.2
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20010425	94.46	3087.54

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20010530	94.17	3087.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20010627	94.32	3087.68
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20010726	94.48	3087.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20011001	94.51	3087.49
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20011001	94.5	3087.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20011119	93.78	3088.22
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20011207	93.46	3088.54
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020124	93.28	3088.72
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020228	93.29	3088.71
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020320	93.18	3088.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020424	93.73	3088.27
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020528	94.18	3087.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020626	94.45	3087.55
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020724	93.94	3088.06
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020827	94.18	3087.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20020925	94.07	3087.93
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20021001	94	3088
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20021105	93.17	3088.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20021211	92.54	3089.46
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030114	92.48	3089.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030203	93.23	3088.77
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030310	94.15	3087.85
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030417	94.8	3087.2
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030522	94.87	3087.13
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030618	94.87	3087.13
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030723	95.18	3086.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030820	95.31	3086.69
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20030923	95	3087
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20031029	94	3088
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20031029	94	3088
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20031120	93.63	3088.37
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20031217	93.24	3088.76
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20040129	93.09	3088.91
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20040224	93.01	3088.99
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20040329	92.85	3089.15
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20040422	91.68	3090.32
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20040423	91.79	3090.21
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20040527	92.17	3089.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20040830	91.43	3090.57
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20041013	90.39	3091.61
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20041202	89.47	3092.53
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20050207	90.12	3091.88
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20050418	89.36	3092.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20050614	90.51	3091.49
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20050810	91.4	3090.6
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20051005	90.97	3091.03
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20051005	90.97	3091.03
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20051202	90.5	3091.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20060210	91.48	3090.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20060411	91.88	3090.12

322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20060630	92.52	3089.48
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20060807	92.46	3089.54
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20061003	91.24	3090.76
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20061201	91	3091
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20070201	91.17	3090.83
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20070409	91.4	3090.6
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20070601	90.92	3091.08
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20070816	91.2	3090.8
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20071015	90.69	3091.31
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20071204	90.65	3091.35
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20080213	91.73	3090.27
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20080407	91.8	3090.2
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20080609	92.48	3089.52
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20080825	92.1	3089.9
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20081003	91.99	3090.01
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20081201	91.36	3090.64
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20090224	91.12	3090.88
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20090402	91.41	3090.59
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20090611	92.41	3089.59
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20090813	92.08	3089.92
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20091001	92.81	3089.19
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20091203	92.5	3089.5
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20100205	91.27	3090.73
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20100414	91.18	3090.82
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20100607	92.11	3089.89
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20100823	91.57	3090.43
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20101001	90.8	3091.2
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20101213	92.19	3089.81
322712104074501	21S.28E.30.14123	32.453889	-104.128889	NAD83	3182	NGVD29	313CPTN	906	20110204	92.41	3089.59
322713104174101	21S.26E.28.23130	32.453611	-104.294722	NAD27	3306.95	NGVD29	313TNSL	155	19471215	64.55	3242.4
322715104144501	21S.26E.25.14241	32.454167	-104.245833	NAD27	3151.2	NGVD29	313CPTN	464	19491115	41.63	3109.57
322715104144501	21S.26E.25.14241	32.454167	-104.245833	NAD27	3151.2	NGVD29	313CPTN	464	19540512	48.32	3102.88
322715104144501	21S.26E.25.14241	32.454167	-104.245833	NAD27	3151.2	NGVD29	313CPTN	464	19821019	51.4	3099.8
322715104144501	21S.26E.25.14241	32.454167	-104.245833	NAD27	3151.2	NGVD29	313CPTN	464	19880216	46.24	3104.96
322715104144501	21S.26E.25.14241	32.454167	-104.245833	NAD27	3151.2	NGVD29	313CPTN	464	19930113	49.9	3101.3
322715104144501	21S.26E.25.14241	32.454167	-104.245833	NAD27	3151.2	NGVD29	313CPTN	464	19980213	50.77	3100.43
322723104145801	21S.26E.25.114241	32.456389	-104.249444	NAD27	3171.6	NGVD29	313CPTN	300	19540601	67.58	3104.02
322723104145801	21S.26E.25.114241	32.456389	-104.249444	NAD27	3171.6	NGVD29	313CPTN	300	19780105	71.15	3100.45
322726104141201	21S.26E.25.222444	32.457222	-104.236667	NAD27	3140.1	NGVD29	313TNSL	43	19491115	32.69	3107.41
322726104141201	21S.26E.25.222444	32.457222	-104.236667	NAD27	3140.1	NGVD29	313TNSL	43	19540601	38.35	3101.75
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19461016	30	3104.6
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19470206	26.8	3107.8
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19471010	29.99	3104.61
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19480106	30.25	3104.35
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19480209	29.8	3104.8
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19480720	28.51	3106.09
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19480921	29.15	3105.45
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19481110	29.45	3105.15
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19490127	28.22	3106.38
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19490319	27.48	3107.12

322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19490723	28.28	3106.32
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19490921	27.11	3107.49
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19491109	27.13	3107.47
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19500117	26.1	3108.5
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19500321	26.68	3107.92
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19500516	28.15	3106.45
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19500717	29.38	3105.22
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19500915	27.63	3106.97
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19501114	27.7	3106.9
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19510115	28.15	3106.45
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19510322	26.93	3107.67
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19510717	30.24	3104.36
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19510917	31.16	3103.44
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19511119	31.2	3103.4
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19520111	30.23	3104.37
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19520318	30.58	3104.02
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19520522	30.9	3103.7
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19520718	31.08	3103.52
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19521203	32.03	3102.57
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19530114	32.4	3102.2
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19530320	31.23	3103.37
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19530520	32.66	3101.94
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19530731	32.86	3101.74
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19531125	33.02	3101.58
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19540107	32.15	3102.45
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19540310	31.88	3102.72
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19540505	32.98	3101.62
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19540831	33.98	3100.62
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19541013	31.52	3103.08
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19541108	31.61	3102.99
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19550119	31.22	3103.38
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19550316	32.2	3102.4
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19550518	33.23	3101.37
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19550708	34.24	3100.36
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19550913	33.85	3100.75
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19551107	30.99	3103.61
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19560105	29.75	3104.85
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19560312	31.09	3103.51
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19560502	32.64	3101.96
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19560709	34.6	3100
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19560926	34.8	3099.8
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19561105	34.26	3100.34
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19570105	33.62	3100.98
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19570515	34.23	3100.37
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19570807	35.21	3099.39
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19571129	33.91	3100.69
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19580108	33.41	3101.19
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19580521	33.3	3101.3
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19580808	34.09	3100.51
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19581128	30.01	3104.59

322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19590106	29.74	3104.86
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19590529	31.77	3102.83
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19590818	33.53	3101.07
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19591117	33.54	3101.06
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19600105	33.15	3101.45
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19600321	34.06	3100.54
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19600525	35.43	3099.17
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19600818	33.84	3100.76
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19601122	31.9	3102.7
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19610103	30.49	3104.11
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19610524	32.32	3102.28
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19611107	34.28	3100.32
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19620103	33.88	3100.72
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19620511	35.33	3099.27
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19620822	35.72	3098.88
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19621115	34.78	3099.82
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19630118	34.13	3100.47
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19630903	35.2	3099.4
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19640113	34.13	3100.47
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19650113	36.4	3098.2
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19650907	38	3096.6
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19660106	36.05	3098.55
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19660922	34.27	3100.33
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19670123	34.57	3100.03
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19680122	35.01	3099.59
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19690128	35.36	3099.24
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19700121	32.6	3102
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19710111	34.62	3099.98
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19720107	35.95	3098.65
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19730104	34.11	3100.49
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19740114	35.72	3098.88
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19750218	30.25	3104.35
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19760113	34.48	3100.12
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19770113	35.36	3099.24
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19790122	32.7	3101.9
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19830120	35.3	3099.3
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19840216	35.05	3099.55
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19850118	33.7	3100.9
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19860221	34.36	3100.24
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19880216	30.9	3103.7
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19930103	35.02	3099.58
322736104140201	21S.27E.19.334132	32.46	-104.233889	NAD27	3134.6	NGVD29	313CPTN	320	19980205	35.63	3098.97
322738103263701	21S.34E.23.31000	32.460556	-103.443611	NAD27	3717	NGVD29	313CPTN	5390	19670201	1030.7	2686.3
322738103263701	21S.34E.23.31000	32.460556	-103.443611	NAD27	3717	NGVD29	313CPTN	5390	19770112	1166.27	2550.73
322738103263701	21S.34E.23.31000	32.460556	-103.443611	NAD27	3717	NGVD29	313CPTN	5390	19780101	1157.64	2559.36
322745104141501	21S.26E.24.42443	32.4625	-104.2375	NAD27	3138.9	NGVD29	313TNSL	120	19491115	36.67	3102.23
322745104142201	21S.26E.24.42343	32.4625	-104.239444	NAD27	3149.5	NGVD29	313TNSL	63	19491114	48.95	3100.55
322745104142301	21S.26E.24.42334	32.4625	-104.239722	NAD27	3153.6	NGVD29	313CPTN	214	19470206	43.8	3109.8
322745104142301	21S.26E.24.42334	32.4625	-104.239722	NAD27	3153.6	NGVD29	313CPTN	214	19470216	43.7	3109.9
322745104142301	21S.26E.24.42334	32.4625	-104.239722	NAD27	3153.6	NGVD29	313CPTN	214	19471010	49.72	3103.88

322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19471010	50.11	3104.33
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19480106	50.34	3104.1
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19490127	48.26	3106.18
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19500117	46.3	3108.14
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19510115	48.2	3106.24
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19520111	50.35	3104.09
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19530114	51.47	3102.97
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19540107	52.2	3102.24
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19550111	51.1	3103.34
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19560105	49.88	3104.56
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19570107	53.7	3100.74
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19580113	53.38	3101.06
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19590106	49.93	3104.51
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19600104	53.23	3101.21
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19610103	50.61	3103.83
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19620103	54.09	3100.35
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19630118	54.15	3100.29
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19640113	54.12	3100.32
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19650113	56.54	3097.9
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19660106	56.2	3098.24
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19670123	54.69	3099.75
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19680122	55.15	3099.29
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19690128	55.43	3099.01
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19700121	52.66	3101.78
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19710111	54.77	3099.67
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19720107	55.97	3098.47
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19730104	54.08	3100.36
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19740116	55.71	3098.73
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19750110	50.26	3104.18
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19760113	54.69	3099.75
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19770113	55.28	3099.16
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19780125	56.26	3098.18
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19790122	52.5	3101.94
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19830217	54.77	3099.67
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19880216	51.02	3103.42
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19930113	54.53	3099.91
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	19980205	55.65	3098.79
322745104142401	21S.26E.24.423343	32.4625	-104.24	NAD27	3154.44	NGVD29	313CPTN	320	20030114	55.4	3099.04
322746104133601	21S.27E.19.413433	32.462778	-104.226667	NAD27	3131.6	NGVD29	313CPTN	375	19540325	29.86	3101.74
322752104161201	21S.26E.23.31133	32.464444	-104.27	NAD27	3150	NGVD29	313YATS	168	19490523	35.75	3114.25
322752104161202	21S.26E.23.31133 A	32.464444	-104.27	NAD27	3150	NGVD29	313TNSL	64	19490523	36.05	3113.95
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19490130	36.55	3106.65
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19490523	36.86	3106.34
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19500117	34.3	3108.9
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19510115	36.46	3106.74
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19520111	38.86	3104.34
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19530114	40.19	3103.01
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19540107	40.72	3102.48
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19550111	39.52	3103.68
322759104161201	21S.26E.23.13333 J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19560105	38.11	3105.09

322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19570108	42.62	3100.58
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19580113	42.03	3101.17
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19590106	37.9	3105.3
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19600105	41.95	3101.25
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19610104	38.87	3104.33
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19620103	42.77	3100.43
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19630121	42.8	3100.4
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19640113	43.32	3099.88
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19650113	45.41	3097.79
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19660107	44.85	3098.35
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19670123	42.94	3100.26
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19680122	43.75	3099.45
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19690129	44.11	3099.09
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19700121	41.04	3102.16
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19780104	45.35	3097.85
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19830105	44.75	3098.45
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19880209	40.05	3103.15
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19930114	43.56	3099.64
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	19980218	44.87	3098.33
322759104161201	21S.26E.23.13333	J BOYD	32.466389	-104.27	NAD27	3143.2	NGVD29	313CPTN	418	20030114	44.5	3098.7
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19470208	34.1	3106.8
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19471020	39.74	3101.16
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19480117	37.72	3103.18
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19480209	37.53	3103.37
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19490130	35.48	3105.42
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19500117	32.15	3108.75
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19510115	33.54	3107.36
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19520111	37.72	3103.18
322806104161201	21S.26E.23.131331		32.468333	-104.27	NAD27	3140.9	NGVD29	313YATS	144	19530114	39.54	3101.36
322807104163001	21S.26E.22.24113		32.468611	-104.275	NAD27	3168	NGVD29	313CABD	105	19930418	80	3088
322812104171301	21S.26E.22.11333		32.47	-104.286944	NAD27	3223.4	NGVD29	313YATS	130	19780105	80.59	3142.81
322812104171301	21S.26E.22.11333		32.47	-104.286944	NAD27	3223.4	NGVD29	313YATS	130	19871013	79.44	3143.96
322812104171301	21S.26E.22.11333		32.47	-104.286944	NAD27	3223.4	NGVD29	313YATS	130	19930112	79.62	3143.78
322812104171301	21S.26E.22.11333		32.47	-104.286944	NAD27	3223.4	NGVD29	313YATS	130	19980115	80.04	3143.36
322824104062301	21S.28E.17.34444		32.473333	-104.106389	NAD27	3198.9	NGVD29	313CPTN	500	19651202	49.12	3149.78
322824104062301	21S.28E.17.34444		32.473333	-104.106389	NAD27	3198.9	NGVD29	313CPTN	500	19761214	49.54	3149.36
322824104062301	21S.28E.17.34444		32.473333	-104.106389	NAD27	3198.9	NGVD29	313CPTN	500	19830119	47.15	3151.75
322824104062301	21S.28E.17.34444		32.473333	-104.106389	NAD27	3198.9	NGVD29	313CPTN	500	19871015	49.27	3149.63
322824104062301	21S.28E.17.34444		32.473333	-104.106389	NAD27	3198.9	NGVD29	313CPTN	500	19880318	47.56	3151.34
322824104062301	21S.28E.17.34444		32.473333	-104.106389	NAD27	3198.9	NGVD29	313CPTN	500	19930113	47.13	3151.77
322824104062301	21S.28E.17.34444		32.473333	-104.106389	NAD27	3198.9	NGVD29	313CPTN	500	19980128	45.78	3153.12
322825104150501	21S.26E.13.33344		32.473611	-104.251389	NAD27	3182.6	NGVD29	313YATS	0	19491115	76.4	3106.2
322835104162101	21S.26E.15.43222		32.476389	-104.2725	NAD27	3155	NGVD29	313CLBD	150	19940518	58	3097
322844104183001	21S.26E.17.41244		32.478889	-104.308333	NAD27	3283.6	NGVD29	313YATS	187	19471215	174	3109.6
322844104183001	21S.26E.17.41244		32.478889	-104.308333	NAD27	3283.6	NGVD29	313YATS	187	19540325	178.67	3104.93
322844104183001	21S.26E.17.41244		32.478889	-104.308333	NAD27	3283.6	NGVD29	313YATS	187	19550831	179.49	3104.11
322844104183001	21S.26E.17.41244		32.478889	-104.308333	NAD27	3283.6	NGVD29	313YATS	187	19780103	182.42	3101.18
322844104183001	21S.26E.17.41244		32.478889	-104.308333	NAD27	3283.6	NGVD29	313YATS	187	19830113	182.33	3101.27
322844104183001	21S.26E.17.41244		32.478889	-104.308333	NAD27	3283.6	NGVD29	313YATS	187	19871013	179.3	3104.3
322844104183001	21S.26E.17.41244		32.478889	-104.308333	NAD27	3283.6	NGVD29	313YATS	187	19930112	181.77	3101.83

322844104183001	21S.26E.17.41244	32.478889	-104.308333	NAD27	3283.6	NGVD29	313YATS	187	19980115	185.4	3098.2
322909104170101	21S.26E.15.114212	32.485833	-104.283611	NAD27	3210.7	NGVD29	313YATS	152	19490523	93.6	3117.1
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	3245.3	NGVD29	313YATS	176	19480907	138.97	3106.33
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	3245.3	NGVD29	313YATS	176	19540507	141.7	3103.6
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	3245.3	NGVD29	313YATS	176	19550831	143.88	3101.42
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	3245.3	NGVD29	313YATS	176	19780223	146.73	3098.57
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	3245.3	NGVD29	313YATS	176	19830217	146.62	3098.68
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	3245.3	NGVD29	313YATS	176	19880216	143.48	3101.82
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	3245.3	NGVD29	313YATS	176	19930114	145.69	3099.61
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	3245.3	NGVD29	313YATS	176	19980218	149.41	3095.89
322927104182301	21S.26E.08.44120	32.490833	-104.306389	NAD27	0	NGVD29	313YATS	176	20030114	151.15	-151.15
323011104123701	21S.27E.05.43332	32.503056	-104.210278	NAD27	3280	NGVD29	313CPTN	290	19551201	206.13	3073.87
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196605	197.96	3082.04
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196608	195.7	3084.3
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196609	193.22	3086.78
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196610	193.6	3086.4
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196611	196	3084
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196612	196.37	3083.63
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196701	196.47	3083.53
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196702	195.94	3084.06
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196703	196.23	3083.77
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196704	196.93	3083.07
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196705	197.88	3082.12
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196706	198.16	3081.84
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196707	197.7	3082.3
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196708	198.14	3081.86
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196709	198.13	3081.87
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196710	197.77	3082.23
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196711	197.27	3082.73
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196712	197.19	3082.81
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196801	196.96	3083.04
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196802	196.64	3083.36
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196803	196.62	3083.38
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196804	197.4	3082.6
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196805	197.77	3082.23
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196806	198.43	3081.57
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196807	198.18	3081.82
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196808	198.33	3081.67
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196809	197.95	3082.05
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196810	197.97	3082.03
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196811	197.73	3082.27
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196812	197.63	3082.37
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196901	197.57	3082.43
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196902	197.71	3082.29
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196903	197.76	3082.24
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196904	198.29	3081.71
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196905	198.8	3081.2
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196906	199.16	3080.84
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196907	199.54	3080.46
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196908	199.63	3080.37

323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196909	198.63	3081.37
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196910	197.45	3082.55
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196911	195.94	3084.06
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	196912	195.04	3084.96
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197001	194.62	3085.38
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197002	194.41	3085.59
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197003	194.53	3085.47
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197004	195.38	3084.62
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197005	196.37	3083.63
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197006	197.3	3082.7
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197007	197.55	3082.45
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197008	198.14	3081.86
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197009	197.92	3082.08
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197010	196.99	3083.01
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197011	196.97	3083.03
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197012	196.81	3083.19
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197101	196.58	3083.42
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197102	196.43	3083.57
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197103	196.78	3083.22
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197104	197.69	3082.31
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197105	198.35	3081.65
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197106	199.04	3080.96
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197107	199.79	3080.21
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197108	198.89	3081.11
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197109	198.7	3081.3
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197110	198.25	3081.75
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197111	198.18	3081.82
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197112	197.95	3082.05
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197201	197.72	3082.28
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197202	197.75	3082.25
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197203	198.56	3081.44
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197204	199.27	3080.73
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197205	199.34	3080.66
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197206	199.26	3080.74
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197207	199.59	3080.41
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197208	199.77	3080.23
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197209	197.05	3082.95
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197210	196.48	3083.52
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197211	196.55	3083.45
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197212	196.44	3083.56
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197301	195.72	3084.28
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197302	194.66	3085.34
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197303	194.08	3085.92
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197304	195.32	3084.68
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197305	195.88	3084.12
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197307	196.5	3083.5
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197308	197.3	3082.7
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197309	197.4	3082.6
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197310	197.61	3082.39
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197311	197.57	3082.43

323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197312	197.6	3082.4
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197401	197.71	3082.29
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197402	197.89	3082.11
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197403	198.47	3081.53
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197404	198.9	3081.1
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197405	199.27	3080.73
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197406	200.2	3079.8
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197407	200.74	3079.26
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197408	200.78	3079.22
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197409	199.31	3080.69
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197410	194.82	3085.18
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197411	192.46	3087.54
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197412	192.3	3087.7
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197501	192.21	3087.79
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197502	191.97	3088.03
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197503	192.49	3087.51
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197504	193.67	3086.33
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197505	194.84	3085.16
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197506	196.22	3083.78
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197507	196.53	3083.47
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197508	196.95	3083.05
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197509	197.02	3082.98
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197510	197.16	3082.84
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197511	196.93	3083.07
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197512	196.77	3083.23
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197601	196.6	3083.4
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197602	196.67	3083.33
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197603	197.35	3082.65
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197604	197.76	3082.24
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197605	197.89	3082.11
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197606	198.84	3081.16
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197607	199.15	3080.85
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197608	199.06	3080.94
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197610	197.77	3082.23
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197611	197.53	3082.47
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197612	197.32	3082.68
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197701	197.03	3082.97
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197702	196.67	3083.33
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197703	196.89	3083.11
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197704	197.75	3082.25
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197705	197.69	3082.31
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197706	198.27	3081.73
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197707	199.05	3080.95
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197708	199.11	3080.89
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197709	198.23	3081.77
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197710	197.84	3082.16
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197711	197.51	3082.49
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197712	197.41	3082.59
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197801	197.33	3082.67
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197802	197.16	3082.84

323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197803	197.3	3082.7
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197804	197.64	3082.36
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197805	197.75	3082.25
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197806	198	3082
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197807	198.25	3081.75
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197808	198.39	3081.61
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197809	198.33	3081.67
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197810	197.33	3082.67
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197811	196.17	3083.83
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197903	193.23	3086.77
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197904	193.62	3086.38
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197905	194.27	3085.73
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197906	194.55	3085.45
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197907	194.65	3085.35
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197908	194.68	3085.32
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197909	194.72	3085.28
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197910	194.91	3085.09
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197911	195.12	3084.88
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	197912	195.22	3084.78
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198001	195.19	3084.81
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198002	195.05	3084.95
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198003	194.93	3085.07
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198004	195.05	3084.95
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198005	195.21	3084.79
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198006	195.52	3084.48
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198007	196.14	3083.86
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198008	196.69	3083.31
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198009	196.84	3083.16
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198010	196.51	3083.49
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198011	195.81	3084.19
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198012	195.4	3084.6
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198101	195.1	3084.9
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198104	194.29	3085.71
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198105	194.35	3085.65
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198106	194.61	3085.39
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198107	194.94	3085.06
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198108	195.17	3084.83
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198109	195.27	3084.73
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198110	195.36	3084.64
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198111	195.37	3084.63
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198112	195.45	3084.55
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198201	195.52	3084.48
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198202	195.59	3084.41
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198203	195.63	3084.37
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198204	195.77	3084.23
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198205	195.91	3084.09
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198206	196.02	3083.98
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198207	196.11	3083.89
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198208	196.16	3083.84
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	19820818	196.17	3083.83

323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198209	196.3	3083.7
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198210	196.36	3083.64
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198211	196.34	3083.66
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198212	196.43	3083.57
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198301	197.69	3082.31
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	19830124	196.48	3083.52
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198302	196.43	3083.57
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198303	196.43	3083.57
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198304	196.42	3083.58
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198305	196.48	3083.52
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198306	196.55	3083.45
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198307	196.61	3083.39
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198308	196.72	3083.28
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	19830822	196.73	3083.27
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198309	196.77	3083.23
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198310	196.86	3083.14
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198311	196.89	3083.11
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	19840220	196.81	3083.19
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198403	196.73	3083.27
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198404	196.75	3083.25
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198405	196.81	3083.19
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198406	196.84	3083.16
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198407	196.88	3083.12
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198408	196.9	3083.1
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	19840821	196.88	3083.12
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198409	196.79	3083.21
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198410	196.71	3083.29
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198411	196.68	3083.32
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198412	196.61	3083.39
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198501	196.52	3083.48
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	19850118	196.54	3083.46
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198502	196.35	3083.65
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198503	196.1	3083.9
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198504	195.94	3084.06
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198505	195.89	3084.11
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198506	195.92	3084.08
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198507	195.94	3084.06
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198508	196.01	3083.99
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198509	196.1	3083.9
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198510	196.12	3083.88
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198511	196.13	3083.87
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	198512	196.14	3083.86
323022104122501	21S.27E.05.41412 N CEDAR	32.506111	-104.206944	NAD27	3280	NGVD29	313CPTN	2565	19860114	196	3084

Texas Water Development Board Data

State Well Number	County	Lat_dec	Long_dec	Aquifer Code	Aquifer Name	Aquifer ID Num	Aquifer ID Name	Date Drilled	Land Surface Elev	Well Depth	Primary Water Use	Water Use Description	PN Well Visit Mark	Depth to Water	Water Level Elevation	Month	Day	Year	Remark	Water Level Remark Description
4549203	Pecos	31.239721	-102.93111	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2519	4121	N	Industrial	P	439	2080	4	25	2005		
4549203	Pecos	31.239721	-102.93111	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2519	4121	N	Industrial	P	355	2164	4	26	2005	02	Pumping-level measurement
4549203	Pecos	31.239721	-102.93111	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2519	4121	N	Industrial	P	166	2353	4	26	2005	02	Pumping-level measurement
4549205	Pecos	31.247499	-102.919721	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	05292005	2498	3700	N	Industrial	P	450.61	2047.39	8	12	2005		
4624807	Ward	31.626388	-103.04361	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2725	4500	G	Plugged or Destroyed	P	-66.1	2658.9	6	7	1967		
4624809	Ward	31.63361	-103.04611	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	12011960	2726	4500	G	Plugged or Destroyed	P	-70.1	2655.9	6	7	1967		
4624812	Ward	31.640277	-103.04861	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11061961	2725	4300	G	Plugged or Destroyed	P	-60.31	2664.69	6	7	1967		
4624813	Ward	31.647221	-103.051111	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2725	4500	G	Plugged or Destroyed	P	-67.05	2657.95	6	7	1967		
4632208	Ward	31.610277	-103.046666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11281959	2665	4109	G	Plugged or Destroyed	P	-20.4	2644.6	6	7	1967		
4632304	Ward	31.619443	-103.041388	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2700	4500	G	Plugged or Destroyed	P	-120.85	2579.15	6	7	1967		
4632305	Ward	31.604166	-103.020832	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001953	2673	3700	G	Plugged or Destroyed	P	-11.3	2661.7	6	8	1967		
4632305	Ward	31.604166	-103.020832	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001953	2673	3700	G	Plugged or Destroyed	P	242	2431	9	0	1953		
4632305	Ward	31.604166	-103.020832	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001953	2673	3700	G	Plugged or Destroyed	P	178	2495	9	0	1957		
4632306	Ward	31.589444	-103.038888	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2663	3950	G	Plugged or Destroyed	P	194	2469	2	19	1957		
4632306	Ward	31.589444	-103.038888	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2663	3950	G	Plugged or Destroyed	P	-1.4	2661.6	6	7	1967		
4632306	Ward	31.589444	-103.038888	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2663	3950	G	Plugged or Destroyed	P	184	2479	6	28	1957		
4632307	Ward	31.598888	-103.03361	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001955	2676	4100	N	Industrial	P	162	2514	6	28	1957		
4632307	Ward	31.598888	-103.03361	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001955	2676	4100	N	Industrial	P	87.7	2588.3	10	25	2007		
4632308	Ward	31.591666	-103.030554	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2673	4500	G	Plugged or Destroyed	P	176	2497	2	20	1957		
4632308	Ward	31.591666	-103.030554	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2673	4500	G	Plugged or Destroyed	P	173	2500	6	28	1957		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-58.06	2627.94	1	15	1980		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-97.43	2588.57	1	27	1971		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-5.33	2680.67	1	27	1987	22	Questionable meas. - uncertain
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-2.14	2683.86	2	10	1983	22	Questionable meas. - uncertain
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-31.44	2654.56	6	7	1967		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-96.95	2589.05	11	6	1970		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-123.38	2562.62	11	8	1976		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-84.47	2601.53	11	8	1978		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-104.98	2581.02	11	10	1977		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-119.6	2566.4	11	11	1975		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-134.75	2551.25	12	4	1974		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-125.23	2560.77	12	8	1971		
4632309	Ward	31.605555	-103.036666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2686	4100	G	Plugged or Destroyed	P	-132.31	2553.69	12	8	1972		
4632310	Ward	31.6125	-103.03861	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2689	4450	G	Plugged or Destroyed	P	194	2495	2	19	1957		
4632311	Ward	31.596388	-103.041388	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	10091960	2672	4462	G	Plugged or Destroyed	P	-17.5	2654.5	6	7	1967		
4632610	Ward	31.559166	-103.033333	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2644	4450	G	Plugged or Destroyed	P	217	2427	2	19	1957		
4632610	Ward	31.559166	-103.033333	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2644	4450	G	Plugged or Destroyed	P	46	2598	6	8	1967		
4632610	Ward	31.559166	-103.033333	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2644	4450	G	Plugged or Destroyed	P	201	2443	6	28	1957		
4632611	Ward	31.577777	-103.02611	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2648	4500	G	Plugged or Destroyed	P	-3.74	2644.26	6	7	1967		
4632611	Ward	31.577777	-103.02611	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		2648	4500	G	Plugged or Destroyed	P	196	2452	6	28	1957		
4632613	Ward	31.568888	-103.03111	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	09071961	2650	4500	G	Plugged or Destroyed	P	-9.28	2640.72	6	8	1967		
4632615	Ward	31.5625	-103.020832	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	01161962	2650	4500	G	Plugged or Destroyed	P	23	2627	6	8	1967		
4632620	Ward	31.582777	-103.03611	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11051960	2656	4500	U	Unused	P	21	2635	6	8	1967		
4632620	Ward	31.582777	-103.03611	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11051960	2656	4500	U	Unused	P	-100.6	2555.4	12	5	1973		
4632620	Ward	31.582777	-103.03611	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11051960	2656	4500	U	Unused	P	-78.38	2577.62	12	8	1971		
4632901	Ward	31.533333	-103.000555	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	05001962	2619	4421	N	Industrial	P	70	2549	6	8	1967		
4632901	Ward	31.533333	-103.000555	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	05001962	2619	4421	N	Industrial	P	186	2433	7	11	1962		
5216504	Pecos	30.802222	-103.048333	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11281971	3168	3265	I	Irrigation	P	-220	2948	1	12	1972		
5216504	Pecos	30.802222	-103.048333	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11281971	3168	3265	I	Irrigation	P	-171	2997	11	1	2007		
5216504	Pecos	30.802222	-103.048333	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11281971	3168	3265	I	Irrigation	P	-158	3010	12	1	2007		
5230702	Brewster	30.539721	-103.374721	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		3722	600	S	Stock	P	-530.72	3191.28	12	19	2007		
5231801	Pecos	30.506111	-103.187499	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001941	4336		S	Stock	P	-1164	3172	4	0	1946		
5231801	Pecos	30.506111	-103.187499	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001941	4336		S	Stock	P	-1170	3166	12	20	2007		
5238301	Brewster	30.475277	-103.263333	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11011961	4110	1040	S	Stock	P	-920	3190	3	11	2008		
5238301	Brewster	30.475277	-103.263333	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	11011961	4110	1040	S	Stock	P	-938	3172	11	15	1961		
5239201	Brewster	30.492499	-103.196666	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	08252000	4290	1400	H	Domestic	P	-1130	3160	8	25	2000		
5239601	Brewster	30.429999	-103.130277	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001980	5100	1600	U	Unused	P	-1100	4000	6	20	1995		
5239601	Brewster	30.429999	-103.130277	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex	00001980	5100	1600	U	Unused	P	-1100	4000	10	15	2007		
5240101	Pecos	30.499166	-103.110555	313CRCX	CAPITAN REEF COMPLEX AND ASSOCIATED LIMESTONES	9	Capitan Reef Complex		4380	73	U	Unused	P	-65.04	4314.96	12	18	2007		
4541101	Ward	31.361388	-102.975554	313SVRV	SEVEN RIVERS FORMATION	9	Capitan Reef Complex		2448	2566	U	Unused	P	244	2204	3	31	1968		
4632609	Ward	31.547221	-103.036666	313SVRV	SEVEN RIVERS FORMATION	9	Capitan Reef Complex	11001942	2634	2911	U	Unused	P	356	2278	10	0	1947		
4632609	Ward	31.547221	-103.036666	313SVRV	SEVEN RIVERS FORMATION	9	Capitan Reef Complex	11001942	2634	2911	U	Unused	P	356	2278	11	0	1942		
4632609	Ward	31.547221	-103.036666	313SVRV	SEVEN RIVERS FORMATION	9	Capitan Reef Complex	11001942	2634	2911	U	Unused	P	379	2255	11	0	1945		
4632609	Ward	31.547221	-103.036666	313SVRV	SEVEN RIVERS FORMATION	9	Capitan Reef Complex	11001942	2634	2911	U	Unused	P	346	2288	11	0	1948		

Hiss Well Data

Site Name	LatDD_Y	LongDD_X	Dec_Date	Altitude of Land Surface	Depth to Water	Water Level	Formation Water Density (r1)	Casing Water Density (r2)	Dp	Corrected Freshwater Head
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1963.683333	3182	92.03	3089.97	1.02	1.012	630	3147.46564
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1964.516667	3182	92.16	3089.84	1.02	1.012	630	3147.33408
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1964.666667	3182	96.27	3085.73	1.02	1.012	630	3143.17476
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1965.083333	3182	94.19	3087.81	1.02	1.012	630	3145.27972
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1965.75	3182	95.78	3086.22	1.02	1.012	630	3143.67064
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1965.833333	3182	92.89	3089.11	1.02	1.012	630	3146.59532
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1965.916667	3182	92.63	3089.37	1.02	1.012	630	3146.85844
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966	3182	92.47	3089.53	1.02	1.012	630	3147.02036
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.083333	3182	92.31	3089.69	1.02	1.012	630	3147.18228
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.316667	3182	94.06	3087.94	1.02	1.012	630	3145.41128
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.166667	3182	92.07	3089.93	1.02	1.012	630	3147.42516
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.25	3182	92.62	3089.38	1.02	1.012	630	3146.86856
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.333333	3182	93.03	3088.97	1.02	1.012	630	3146.45364
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.416667	3182	93.07	3088.93	1.02	1.012	630	3146.41316
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.5	3182	93.82	3088.18	1.02	1.012	630	3145.65416
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.583333	3182	94.47	3087.53	1.02	1.012	630	3144.99636
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.666667	3182	93.8	3088.2	1.02	1.012	630	3145.6744
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.75	3182	91.07	3090.93	1.02	1.012	630	3148.43716
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.283333	3182	92.53	3089.47	1.02	1.012	630	3146.95964
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.833333	3182	90.76	3091.24	1.02	1.012	630	3148.75088
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1966.916667	3182	90.71	3091.29	1.02	1.012	630	3148.80148
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967	3182	91.15	3090.85	1.02	1.012	630	3148.3562
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.083333	3182	91.35	3090.65	1.02	1.012	630	3148.1538
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.166667	3182	90.82	3091.18	1.02	1.012	630	3148.69016
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.25	3182	90.96	3091.04	1.02	1.012	630	3148.54848
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.333333	3182	91.78	3090.22	1.02	1.012	630	3147.71864
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.416667	3182	92.68	3089.32	1.02	1.012	630	3146.80784
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.5	3182	92.91	3089.09	1.02	1.012	630	3146.57508
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.583333	3182	92.55	3089.45	1.02	1.012	630	3146.9394
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.666667	3182	92.92	3089.08	1.02	1.012	630	3146.56496
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1967.916667	3182	92.25	3089.75	1.02	1.012	630	3147.243
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968	3182	92.13	3089.87	1.02	1.012	630	3147.36444
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.083333	3182	91.95	3090.05	1.02	1.012	630	3147.5466
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.166667	3182	91.57	3090.43	1.02	1.012	630	3147.93116
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.25	3182	91.53	3090.47	1.02	1.012	630	3147.97164
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.333333	3182	92.34	3089.66	1.02	1.012	630	3147.15192
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.416667	3182	92.66	3089.34	1.02	1.012	630	3146.82808
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.5	3182	93.25	3088.75	1.02	1.012	630	3146.231
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.583333	3182	92.81	3089.19	1.02	1.012	630	3146.67628
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.833333	3182	91.66	3090.34	1.02	1.012	630	3147.84008
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1968.916667	3182	91.64	3090.36	1.02	1.012	630	3147.86032
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969	3182	92.47	3089.53	1.02	1.012	630	3147.02036
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.083333	3182	92.42	3089.58	1.02	1.012	630	3147.07096
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.166667	3182	92.48	3089.52	1.02	1.012	630	3147.01024
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.25	3182	94.36	3087.64	1.02	1.012	630	3145.10768
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.333333	3182	94.88	3087.12	1.02	1.012	630	3144.58144
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.416667	3182	95.51	3086.49	1.02	1.012	630	3143.94388
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.5	3182	95.82	3086.18	1.02	1.012	630	3143.63016
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.583333	3182	96.18	3085.82	1.02	1.012	630	3143.26584
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.666667	3182	96.3	3085.7	1.02	1.012	630	3143.1444
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.75	3182	95.25	3086.75	1.02	1.012	630	3144.207
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.833333	3182	94.11	3087.89	1.02	1.012	630	3145.36068
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1969.916667	3182	92.65	3089.35	1.02	1.012	630	3146.8382
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970	3182	91.99	3090.01	1.02	1.012	630	3147.50612
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.083333	3182	91.45	3090.55	1.02	1.012	630	3148.0526
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.166667	3182	91.17	3090.83	1.02	1.012	630	3148.33596
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.25	3182	91.43	3090.57	1.02	1.012	630	3148.07284
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.333333	3182	92.21	3089.79	1.02	1.012	630	3147.28348
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.416667	3182	93.22	3088.78	1.02	1.012	630	3146.26136
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.5	3182	94.18	3087.82	1.02	1.012	630	3145.28984
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.583333	3182	94.51	3087.49	1.02	1.012	630	3144.95588
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.666667	3182	95.05	3086.95	1.02	1.012	630	3144.4094
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.75	3182	94.88	3087.12	1.02	1.012	630	3144.58144
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.833333	3182	93.9	3088.1	1.02	1.012	630	3145.5732
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1970.916667	3182	93.87	3088.13	1.02	1.012	630	3145.60356
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971	3182	93.78	3088.22	1.02	1.012	630	3145.69464
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.083333	3182	93.61	3088.39	1.02	1.012	630	3145.86668
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.166667	3182	93.55	3088.45	1.02	1.012	630	3145.9274

Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.25	3182	93.88	3088.12	1.02	1.012	630	3145.59344
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.333333	3182	94.74	3087.26	1.02	1.012	630	3144.72312
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.416667	3182	95.58	3086.42	1.02	1.012	630	3143.87304
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.5	3182	96.23	3085.77	1.02	1.012	630	3143.21524
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.583333	3182	96.92	3085.08	1.02	1.012	630	3142.51696
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.666667	3182	96.01	3085.99	1.02	1.012	630	3143.43788
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.75	3182	95.83	3086.17	1.02	1.012	630	3143.62004
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.833333	3182	95.42	3086.58	1.02	1.012	630	3144.03496
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1971.916667	3182	95.36	3086.64	1.02	1.012	630	3144.09568
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972	3182	95.17	3086.83	1.02	1.012	630	3144.28796
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.083333	3182	95.02	3086.98	1.02	1.012	630	3144.43976
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.166667	3182	95.04	3086.96	1.02	1.012	630	3144.41952
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.25	3182	95.91	3086.09	1.02	1.012	630	3143.53908
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.333333	3182	96.62	3085.38	1.02	1.012	630	3142.82056
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.416667	3182	96.64	3085.36	1.02	1.012	630	3142.80032
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.5	3182	96.57	3085.43	1.02	1.012	630	3142.87116
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.583333	3182	96.96	3085.04	1.02	1.012	630	3142.47648
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.666667	3182	97.08	3084.92	1.02	1.012	630	3142.35504
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.75	3182	94.68	3087.32	1.02	1.012	630	3144.78384
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1972.916667	3182	93.7	3088.3	1.02	1.012	630	3145.7756
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973	3182	93.6	3088.4	1.02	1.012	630	3145.8768
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.083333	3182	92.98	3089.02	1.02	1.012	630	3146.50424
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.25	3182	91.39	3090.61	1.02	1.012	630	3148.11332
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.333333	3182	92.55	3089.45	1.02	1.012	630	3146.9394
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.416667	3182	93.31	3088.69	1.02	1.012	630	3146.17028
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.5	3182	92.48	3089.52	1.02	1.012	630	3147.01024
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.666667	3182	94.91	3087.09	1.02	1.012	630	3144.55108
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.75	3182	94.71	3087.29	1.02	1.012	630	3144.75348
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.833333	3182	94.93	3087.07	1.02	1.012	630	3144.53084
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1973.916667	3182	94.88	3087.12	1.02	1.012	630	3144.58144
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974	3182	94.94	3087.06	1.02	1.012	630	3144.52072
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.083333	3182	95.09	3086.91	1.02	1.012	630	3144.36892
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.166667	3182	95.36	3086.64	1.02	1.012	630	3144.09568
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.25	3182	96	3086	1.02	1.012	630	3143.448
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.333333	3182	96.43	3085.57	1.02	1.012	630	3143.01284
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.416667	3182	96.44	3085.56	1.02	1.012	630	3143.00272
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.5	3182	97.81	3084.19	1.02	1.012	630	3141.61628
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.583333	3182	98.34	3083.66	1.02	1.012	630	3141.07992
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.666667	3182	98.35	3083.65	1.02	1.012	630	3141.0698
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.75	3182	96.54	3085.46	1.02	1.012	630	3142.90152
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.833333	3182	92.41	3089.59	1.02	1.012	630	3147.08108
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1974.916667	3182	90.31	3091.69	1.02	1.012	630	3149.20628
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975	3182	90.17	3091.83	1.02	1.012	630	3149.34796
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.083333	3182	90.05	3091.95	1.02	1.012	630	3149.4694
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.166667	3182	89.95	3092.05	1.02	1.012	630	3149.5706
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.25	3182	90.29	3091.71	1.02	1.012	630	3149.22652
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.333333	3182	91.5	3090.5	1.02	1.012	630	3148.002
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.416667	3182	92.63	3089.37	1.02	1.012	630	3146.85844
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.5	3182	93.93	3088.07	1.02	1.012	630	3145.54284
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.583333	3182	94.08	3087.92	1.02	1.012	630	3145.39104
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.666667	3182	94.38	3087.62	1.02	1.012	630	3145.08744
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.75	3182	94.55	3087.45	1.02	1.012	630	3144.9154
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.833333	3182	94.78	3087.22	1.02	1.012	630	3144.68264
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1975.916667	3182	94.57	3087.43	1.02	1.012	630	3144.89516
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976	3182	94.45	3087.55	1.02	1.012	630	3145.0166
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.083333	3182	94.35	3087.65	1.02	1.012	630	3145.1178
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.166667	3182	94.5	3087.5	1.02	1.012	630	3144.966
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.25	3182	95.16	3086.84	1.02	1.012	630	3144.29808
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.333333	3182	95.52	3086.48	1.02	1.012	630	3143.93376
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.416667	3182	95.74	3086.26	1.02	1.012	630	3143.71112
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.5	3182	96.77	3085.23	1.02	1.012	630	3142.66876
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.583333	3182	96.86	3085.14	1.02	1.012	630	3142.57768
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.666667	3182	96.89	3085.11	1.02	1.012	630	3142.54732
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.75	3182	96.04	3085.96	1.02	1.012	630	3143.40752
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.833333	3182	95.63	3086.37	1.02	1.012	630	3143.82244
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1976.916667	3182	95.41	3086.59	1.02	1.012	630	3144.04508
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977	3182	95.17	3086.83	1.02	1.012	630	3144.28796
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.083333	3182	95.15	3086.85	1.02	1.012	630	3144.3082
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.166667	3182	94.82	3087.18	1.02	1.012	630	3144.64216

Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.25	3182	94.98	3087.02	1.02	1.012	630	3144.48024
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.333333	3182	95.76	3086.24	1.02	1.012	630	3143.69088
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.416667	3182	95.76	3086.24	1.02	1.012	630	3143.69088
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.5	3182	96.44	3085.56	1.02	1.012	630	3143.00272
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.583333	3182	97.25	3084.75	1.02	1.012	630	3142.183
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.666667	3182	97.14	3084.86	1.02	1.012	630	3142.29432
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.75	3182	96.65	3085.35	1.02	1.012	630	3142.7902
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.833333	3182	96.2	3085.8	1.02	1.012	630	3143.2456
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1977.916667	3182	96.19	3085.81	1.02	1.012	630	3143.25572
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978	3182	96.17	3085.83	1.02	1.012	630	3143.27596
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.083333	3182	96.11	3085.89	1.02	1.012	630	3143.33668
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.166667	3182	95.93	3086.07	1.02	1.012	630	3143.51884
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.866667	3182	96.31	3085.69	1.02	1.012	630	3143.13428
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.25	3182	96.33	3085.67	1.02	1.012	630	3143.11404
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.333333	3182	96.51	3085.49	1.02	1.012	630	3142.93188
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.416667	3182	96.5	3085.5	1.02	1.012	630	3142.942
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.5	3182	96.5	3085.5	1.02	1.012	630	3142.942
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.583333	3182	97.11	3084.89	1.02	1.012	630	3142.32468
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.666667	3182	96.5	3085.5	1.02	1.012	630	3142.942
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.75	3182	95.89	3086.11	1.02	1.012	630	3143.55932
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.833333	3182	94.48	3087.52	1.02	1.012	630	3144.98624
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1978.916667	3182	93.56	3088.44	1.02	1.012	630	3145.91728
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979	3182	92.67	3089.33	1.02	1.012	630	3146.81796
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.083333	3182	92.36	3089.64	1.02	1.012	630	3147.13168
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.166667	3182	91.94	3090.06	1.02	1.012	630	3147.55672
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.25	3182	91.92	3090.08	1.02	1.012	630	3147.57696
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.333333	3182	92.69	3089.31	1.02	1.012	630	3146.79772
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.416667	3182	93.34	3088.66	1.02	1.012	630	3146.13992
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.5	3182	93.25	3088.75	1.02	1.012	630	3146.231
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.583333	3182	93.5	3088.5	1.02	1.012	630	3145.978
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.666667	3182	93.25	3088.75	1.02	1.012	630	3146.231
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.75	3182	93.64	3088.36	1.02	1.012	630	3145.83632
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.833333	3182	93.97	3088.03	1.02	1.012	630	3145.50236
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1979.916667	3182	93.5	3088.5	1.02	1.012	630	3145.978
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.25	3182	93.85	3088.15	1.02	1.012	630	3145.6238
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.333333	3182	94.41	3087.59	1.02	1.012	630	3145.05708
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.416667	3182	95.06	3086.94	1.02	1.012	630	3144.39928
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.5	3182	95.8	3086.2	1.02	1.012	630	3143.6504
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.583333	3182	96.54	3085.46	1.02	1.012	630	3142.90152
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.666667	3182	96.37	3085.63	1.02	1.012	630	3143.07356
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.75	3182	95.67	3086.33	1.02	1.012	630	3143.78196
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.833333	3182	93.58	3088.42	1.02	1.012	630	3145.89704
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1980.916667	3182	93.47	3088.53	1.02	1.012	630	3146.00836
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981	3182	93.47	3088.53	1.02	1.012	630	3146.00836
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.083333	3182	93.1	3088.9	1.02	1.012	630	3146.3828
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.166667	3182	92.56	3089.44	1.02	1.012	630	3146.92928
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.25	3182	92.93	3089.07	1.02	1.012	630	3146.55484
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.333333	3182	93.69	3088.31	1.02	1.012	630	3145.78572
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.416667	3182	94.14	3087.86	1.02	1.012	630	3145.33032
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.5	3182	94.55	3087.45	1.02	1.012	630	3144.9154
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.583333	3182	95.52	3086.48	1.02	1.012	630	3143.93376
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.666667	3182	95.17	3086.83	1.02	1.012	630	3144.28796
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.75	3182	94.91	3087.09	1.02	1.012	630	3144.55108
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.833333	3182	94.81	3087.19	1.02	1.012	630	3144.65228
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1981.916667	3182	94.57	3087.43	1.02	1.012	630	3144.89516
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1982	3182	94.56	3087.44	1.02	1.012	630	3144.90528
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1982.083333	3182	94.41	3087.59	1.02	1.012	630	3145.05708
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1982.166667	3182	94.31	3087.69	1.02	1.012	630	3145.15828
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1982.25	3182	95.18	3086.82	1.02	1.012	630	3144.27784
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1982.5	3182	95.75	3086.25	1.02	1.012	630	3143.701
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1982.916667	3182	95.18	3086.82	1.02	1.012	630	3144.27784
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983	3182	95.08	3086.92	1.02	1.012	630	3144.37904
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.083333	3182	94.82	3087.18	1.02	1.012	630	3144.64216
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.166667	3182	94.54	3087.46	1.02	1.012	630	3144.92552
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.25	3182	95	3087	1.02	1.012	630	3144.46
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.333333	3182	95.07	3086.93	1.02	1.012	630	3144.38916
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.416667	3182	95.78	3086.22	1.02	1.012	630	3143.67064
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.5	3182	95.99	3086.01	1.02	1.012	630	3143.45812
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.583333	3182	96.54	3085.46	1.02	1.012	630	3142.90152

Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.666667	3182	96.38	3085.62	1.02	1.012	630	3143.06344
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.45	3182	96.48	3085.52	1.02	1.012	630	3142.96224
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.833333	3182	95.42	3086.58	1.02	1.012	630	3144.03496
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1983.916667	3182	94.95	3087.05	1.02	1.012	630	3144.5106
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984	3182	94.86	3087.14	1.02	1.012	630	3144.60168
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.083333	3182	94.22	3087.78	1.02	1.012	630	3145.24936
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.166667	3182	93.89	3088.11	1.02	1.012	630	3145.58332
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.833333	3182	94.2	3087.8	1.02	1.012	630	3145.2696
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.25	3182	93.82	3088.18	1.02	1.012	630	3145.65416
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.333333	3182	94.56	3087.44	1.02	1.012	630	3144.90528
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.416667	3182	95.39	3086.61	1.02	1.012	630	3144.06532
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.5	3182	95.1	3086.9	1.02	1.012	630	3144.3588
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.583333	3182	95.05	3086.95	1.02	1.012	630	3144.4094
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.666667	3182	93.58	3088.42	1.02	1.012	630	3145.89704
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1985.366667	3182	93.86	3088.14	1.02	1.012	630	3145.61368
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.75	3182	93.39	3088.61	1.02	1.012	630	3146.08932
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.833333	3182	93.56	3088.44	1.02	1.012	630	3145.91728
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1984.916667	3182	93.55	3088.45	1.02	1.012	630	3145.9274
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1985	3182	93.29	3088.71	1.02	1.012	630	3146.19052
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1985.65	3182	92.82	3089.18	1.02	1.012	630	3146.66616
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1986.55	3182	93.14	3088.86	1.02	1.012	630	3146.34232
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1987.266667	3182	92.38	3089.62	1.02	1.012	630	3147.11144
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1987.783333	3182	89.16	3092.84	1.02	1.012	630	3150.37008
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1988.283333	3182	89.32	3092.68	1.02	1.012	630	3150.20816
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1988.233333	3182	89.92	3092.08	1.02	1.012	630	3149.60096
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1988.916667	3182	90.18	3091.82	1.02	1.012	630	3149.33784
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1988.766667	3182	89.49	3092.51	1.02	1.012	630	3150.03612
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1988.95	3182	89.9	3092.1	1.02	1.012	630	3149.6212
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1988.933333	3182	91.09	3090.91	1.02	1.012	630	3148.41692
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.25	3182	92.18	3089.82	1.02	1.012	630	3147.31384
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.166667	3182	92.67	3089.33	1.02	1.012	630	3146.81796
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.283333	3182	92.46	3089.54	1.02	1.012	630	3147.03048
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.2	3182	92.08	3089.92	1.02	1.012	630	3147.41504
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.65	3182	91.87	3090.13	1.02	1.012	630	3147.62756
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.866667	3182	92.01	3089.99	1.02	1.012	630	3147.48588
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.616667	3182	92.45	3089.55	1.02	1.012	630	3147.0406
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.983333	3182	92.2	3089.8	1.02	1.012	630	3147.2936
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.866667	3182	92.38	3089.62	1.02	1.012	630	3147.11144
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1989.816667	3182	92.67	3089.33	1.02	1.012	630	3146.81796
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.233333	3182	93.37	3088.63	1.02	1.012	630	3146.10956
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.15	3182	93.78	3088.22	1.02	1.012	630	3145.69464
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.033333	3182	93.7	3088.3	1.02	1.012	630	3145.7756
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.383333	3182	94.18	3087.82	1.02	1.012	630	3145.28984
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.6	3182	94.09	3087.91	1.02	1.012	630	3145.38092
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.583333	3182	93.89	3088.11	1.02	1.012	630	3145.58332
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.833333	3182	93.6	3088.4	1.02	1.012	630	3145.8768
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.816667	3182	93.39	3088.61	1.02	1.012	630	3146.08932
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.6	3182	93.15	3088.85	1.02	1.012	630	3146.3322
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.883333	3182	93.31	3088.69	1.02	1.012	630	3146.17028
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.866667	3182	93.25	3088.75	1.02	1.012	630	3146.231
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.983333	3182	93.85	3088.15	1.02	1.012	630	3145.6238
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.966667	3182	94.15	3087.85	1.02	1.012	630	3145.3202
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1990.916667	3182	94.6	3087.4	1.02	1.012	630	3144.8648
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1991.166667	3182	95.7	3086.3	1.02	1.012	630	3143.7516
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1991.183333	3182	95.21	3086.79	1.02	1.012	630	3144.24748
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1991.366667	3182	94.69	3087.31	1.02	1.012	630	3144.77372
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1991.416667	3182	94.75	3087.25	1.02	1.012	630	3144.713
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1991.666667	3182	94.48	3087.52	1.02	1.012	630	3144.98624
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.016667	3182	93.92	3088.08	1.02	1.012	630	3145.55296
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1991.9	3182	94.05	3087.95	1.02	1.012	630	3145.4214
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1991.916667	3182	94.43	3087.57	1.02	1.012	630	3145.03684
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.35	3182	95.35	3086.65	1.02	1.012	630	3144.1058
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.2	3182	95.42	3086.58	1.02	1.012	630	3144.03496
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.35	3182	95.06	3086.94	1.02	1.012	630	3144.39928
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.333333	3182	94.4	3087.6	1.02	1.012	630	3145.0672
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.616667	3182	93.05	3088.95	1.02	1.012	630	3146.4334
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.833333	3182	92.92	3089.08	1.02	1.012	630	3146.56496
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.616667	3182	92.42	3089.58	1.02	1.012	630	3147.07096
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1992.766667	3182	92.13	3089.87	1.02	1.012	630	3147.36444

Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.116667	3182	92.36	3089.64	1.02	1.012	630	3147.13168
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.15	3182	92.69	3089.31	1.02	1.012	630	3146.79772
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.1	3182	93.01	3088.99	1.02	1.012	630	3146.47388
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.316667	3182	92.87	3089.13	1.02	1.012	630	3146.61556
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.466667	3182	90.36	3091.64	1.02	1.012	630	3149.15568
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.483333	3182	91.57	3090.43	1.02	1.012	630	3147.93116
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.5	3182	92.08	3089.92	1.02	1.012	630	3147.41504
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.6	3182	92.35	3089.65	1.02	1.012	630	3147.1418
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.716667	3182	92.14	3089.86	1.02	1.012	630	3147.35432
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.733333	3182	92.38	3089.62	1.02	1.012	630	3147.11144
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.2	3182	93.07	3088.93	1.02	1.012	630	3146.41316
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1993.9	3182	93.3	3088.7	1.02	1.012	630	3146.1804
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.05	3182	93.4	3088.6	1.02	1.012	630	3146.0792
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.066667	3182	93.78	3088.22	1.02	1.012	630	3145.69464
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.25	3182	94.16	3087.84	1.02	1.012	630	3145.31008
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.433333	3182	94.27	3087.73	1.02	1.012	630	3145.19876
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.516667	3182	94.13	3087.87	1.02	1.012	630	3145.34044
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.566667	3182	94.62	3087.38	1.02	1.012	630	3144.84456
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.65	3182	94.46	3087.54	1.02	1.012	630	3145.00648
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.866667	3182	93.75	3088.25	1.02	1.012	630	3145.725
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.883333	3182	93.61	3088.39	1.02	1.012	630	3145.86668
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995	3182	93.72	3088.28	1.02	1.012	630	3145.75536
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.783333	3182	93.97	3088.03	1.02	1.012	630	3145.50236
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.9	3182	94.35	3087.65	1.02	1.012	630	3145.1178
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.016667	3182	94.44	3087.56	1.02	1.012	630	3145.02672
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1994.933333	3182	94.8	3087.2	1.02	1.012	630	3144.6624
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.316667	3182	94.13	3087.87	1.02	1.012	630	3145.34044
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.166667	3182	94.65	3087.35	1.02	1.012	630	3144.8142
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.266667	3182	95.05	3086.95	1.02	1.012	630	3144.4094
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.25	3182	94.43	3087.57	1.02	1.012	630	3145.03684
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.466667	3182	93.77	3088.23	1.02	1.012	630	3145.70476
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.383333	3182	93.34	3088.66	1.02	1.012	630	3146.13992
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.933333	3182	93.54	3088.46	1.02	1.012	630	3145.93752
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.85	3182	94.3	3087.7	1.02	1.012	630	3145.1684
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.966667	3182	95.17	3086.83	1.02	1.012	630	3144.28796
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.916667	3182	95.61	3086.39	1.02	1.012	630	3143.84268
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1996.033333	3182	95.08	3086.92	1.02	1.012	630	3144.37904
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1995.95	3182	94.82	3087.18	1.02	1.012	630	3144.64216
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1996.25	3182	94.51	3087.49	1.02	1.012	630	3144.95588
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1996.6	3182	93.52	3088.48	1.02	1.012	630	3145.95776
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1996.716667	3182	93.23	3088.77	1.02	1.012	630	3146.25124
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1996.833333	3182	93.56	3088.44	1.02	1.012	630	3145.91728
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1996.95	3182	93.69	3088.31	1.02	1.012	630	3145.78572
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1996.95	3182	94.38	3087.62	1.02	1.012	630	3145.08744
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.2	3182	94.22	3087.78	1.02	1.012	630	3145.24936
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.216667	3182	94.06	3087.94	1.02	1.012	630	3145.41128
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.3	3182	94.02	3087.98	1.02	1.012	630	3145.45176
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.416667	3182	93.03	3088.97	1.02	1.012	630	3146.45364
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.533333	3182	93.5	3088.5	1.02	1.012	630	3145.978
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.583333	3182	93.53	3088.47	1.02	1.012	630	3145.94764
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.666667	3182	93.06	3088.94	1.02	1.012	630	3146.42328
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.783333	3182	93.09	3088.91	1.02	1.012	630	3146.39292
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.1	3182	92.28	3089.72	1.02	1.012	630	3147.21264
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.883333	3182	92.77	3089.23	1.02	1.012	630	3146.71676
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.166667	3182	93.2	3088.8	1.02	1.012	630	3146.2816
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1997.95	3182	93.33	3088.67	1.02	1.012	630	3146.15004
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.166667	3182	93.78	3088.22	1.02	1.012	630	3145.69464
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.383333	3182	94.09	3087.91	1.02	1.012	630	3145.38092
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.4	3182	93.82	3088.18	1.02	1.012	630	3145.65416
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.483333	3182	93.96	3088.04	1.02	1.012	630	3145.51248
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.566667	3182	93.2	3088.8	1.02	1.012	630	3146.2816
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.55	3182	92.37	3089.63	1.02	1.012	630	3147.12156
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.966667	3182	92.55	3089.45	1.02	1.012	630	3146.9394
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.85	3182	93.15	3088.85	1.02	1.012	630	3146.3322
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.15	3182	95.04	3086.96	1.02	1.012	630	3144.41952
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.016667	3182	95.05	3086.95	1.02	1.012	630	3144.4094
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.333333	3182	94.7	3087.3	1.02	1.012	630	3144.7636
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1998.883333	3182	94.29	3087.71	1.02	1.012	630	3145.17852
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.1	3182	94.45	3087.55	1.02	1.012	630	3145.0166

Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.483333	3182	93.26	3088.74	1.02	1.012	630	3146.22088
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.983333	3182	93.11	3088.89	1.02	1.012	630	3146.37268
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.566667	3182	93.21	3088.79	1.02	1.012	630	3146.27148
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.65	3182	93.61	3088.39	1.02	1.012	630	3145.86668
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	1999.633333	3182	93.56	3088.44	1.02	1.012	630	3145.91728
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.016667	3182	93.97	3088.03	1.02	1.012	630	3145.50236
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.5	3182	94.13	3087.87	1.02	1.012	630	3145.34044
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.033333	3182	93.99	3088.01	1.02	1.012	630	3145.48212
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.016667	3182	93.36	3088.64	1.02	1.012	630	3146.11968
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.216667	3182	93.41	3088.59	1.02	1.012	630	3146.06908
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.116667	3182	93.59	3088.41	1.02	1.012	630	3145.88692
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.55	3182	93.92	3088.08	1.02	1.012	630	3145.55296
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.55	3182	93.92	3088.08	1.02	1.012	630	3145.55296
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.666667	3182	94.05	3087.95	1.02	1.012	630	3145.4214
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.516667	3182	94.17	3087.83	1.02	1.012	630	3145.29996
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.666667	3182	94.43	3087.57	1.02	1.012	630	3145.03684
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.05	3182	94.2	3087.8	1.02	1.012	630	3145.2696
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.033333	3182	94.3	3087.7	1.02	1.012	630	3145.1684
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2000.95	3182	94.38	3087.62	1.02	1.012	630	3145.08744
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.5	3182	93.82	3088.18	1.02	1.012	630	3145.65416
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.416667	3182	93.09	3088.91	1.02	1.012	630	3146.39292
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.4	3182	93	3089	1.02	1.012	630	3146.484
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.616667	3182	92.82	3089.18	1.02	1.012	630	3146.66616
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.866667	3182	93.47	3088.53	1.02	1.012	630	3146.00836
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.183333	3182	93.8	3088.2	1.02	1.012	630	3145.6744
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.166667	3182	94.46	3087.54	1.02	1.012	630	3145.00648
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.416667	3182	94.17	3087.83	1.02	1.012	630	3145.29996
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.4	3182	94.32	3087.68	1.02	1.012	630	3145.14816
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.45	3182	94.48	3087.52	1.02	1.012	630	3144.98624
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.866667	3182	94.51	3087.49	1.02	1.012	630	3144.95588
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2001.866667	3182	94.5	3087.5	1.02	1.012	630	3144.966
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.55	3182	93.78	3088.22	1.02	1.012	630	3145.69464
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.233333	3182	93.46	3088.54	1.02	1.012	630	3146.01848
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.883333	3182	93.28	3088.72	1.02	1.012	630	3146.20064
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.1	3182	93.29	3088.71	1.02	1.012	630	3146.19052
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.916667	3182	93.18	3088.82	1.02	1.012	630	3146.30184
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.133333	3182	93.73	3088.27	1.02	1.012	630	3145.74524
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.35	3182	94.18	3087.82	1.02	1.012	630	3145.28984
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.366667	3182	94.45	3087.55	1.02	1.012	630	3145.0166
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.383333	3182	93.94	3088.06	1.02	1.012	630	3145.53272
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.566667	3182	94.18	3087.82	1.02	1.012	630	3145.28984
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.583333	3182	94.07	3087.93	1.02	1.012	630	3145.40116
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2002.866667	3182	94	3088	1.02	1.012	630	3145.472
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.083333	3182	93.17	3088.83	1.02	1.012	630	3146.31196
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.366667	3182	92.54	3089.46	1.02	1.012	630	3146.94952
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.55	3182	92.48	3089.52	1.02	1.012	630	3147.01024
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.266667	3182	93.23	3088.77	1.02	1.012	630	3146.25124
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.583333	3182	94.15	3087.85	1.02	1.012	630	3145.3202
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2003.9	3182	94.8	3087.2	1.02	1.012	630	3144.6624
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.15	3182	94.87	3087.13	1.02	1.012	630	3144.59156
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.1	3182	94.87	3087.13	1.02	1.012	630	3144.59156
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.35	3182	95.18	3086.82	1.02	1.012	630	3144.27784
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.333333	3182	95.31	3086.69	1.02	1.012	630	3144.14628
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.516667	3182	95	3087	1.02	1.012	630	3144.46
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.8	3182	94	3088	1.02	1.012	630	3145.472
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.8	3182	94	3088	1.02	1.012	630	3145.472
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.583333	3182	93.63	3088.37	1.02	1.012	630	3145.84644
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.566667	3182	93.24	3088.76	1.02	1.012	630	3146.24112
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.05	3182	93.09	3088.91	1.02	1.012	630	3146.39292
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2004.966667	3182	93.01	3088.99	1.02	1.012	630	3146.47388
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.216667	3182	92.85	3089.15	1.02	1.012	630	3146.6358
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.066667	3182	91.68	3090.32	1.02	1.012	630	3147.81984
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.1	3182	91.79	3090.21	1.02	1.012	630	3147.70852
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.316667	3182	92.17	3089.83	1.02	1.012	630	3147.32396
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.666667	3182	91.43	3090.57	1.02	1.012	630	3148.07284
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.266667	3182	90.39	3091.61	1.02	1.012	630	3149.12532
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.066667	3182	89.47	3092.53	1.02	1.012	630	3150.05636
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.4	3182	90.12	3091.88	1.02	1.012	630	3149.39856
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.933333	3182	89.36	3092.64	1.02	1.012	630	3150.16768

Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2005.966667	3182	90.51	3091.49	1.02	1.012	630			3149.00388
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2006	3182	91.4	3090.6	1.02	1.012	630			3148.1032
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2006	3182	90.97	3091.03	1.02	1.012	630			3148.53836
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2006	3182	90.97	3091.03	1.02	1.012	630			3148.53836
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2006.066667	3182	90.5	3091.5	1.02	1.012	630			3149.014
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2006.5	3182	91.48	3090.52	1.02	1.012	630			3148.02224
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2006.7	3182	91.88	3090.12	1.02	1.012	630			3147.61744
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2007.5	3182	92.52	3089.48	1.02	1.012	630			3146.96976
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2006.9	3182	92.46	3089.54	1.02	1.012	630			3147.03048
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2006.933333	3182	91.24	3090.76	1.02	1.012	630			3148.26512
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2007.033333	3182	91	3091	1.02	1.012	630			3148.508
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2007.2	3182	91.17	3090.83	1.02	1.012	630			3148.33596
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2007.633333	3182	91.4	3090.6	1.02	1.012	630			3148.1032
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2007.533333	3182	90.92	3091.08	1.02	1.012	630			3148.58896
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2008.2	3182	91.2	3090.8	1.02	1.012	630			3148.3056
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2008.333333	3182	90.69	3091.31	1.02	1.012	630			3148.82172
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2008.133333	3182	90.65	3091.35	1.02	1.012	630			3148.8622
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2008.6	3182	91.73	3090.27	1.02	1.012	630			3147.76924
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2008.566667	3182	91.8	3090.2	1.02	1.012	630			3147.6984
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2008.8	3182	92.48	3089.52	1.02	1.012	630			3147.01024
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2009.5	3182	92.1	3089.9	1.02	1.012	630			3147.3948
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2008.933333	3182	91.99	3090.01	1.02	1.012	630			3147.50612
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2009.033333	3182	91.36	3090.64	1.02	1.012	630			3148.14368
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2009.966667	3182	91.12	3090.88	1.02	1.012	630			3148.38656
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2009.4	3182	91.41	3090.59	1.02	1.012	630			3148.09308
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2009.866667	3182	92.41	3089.59	1.02	1.012	630			3147.08108
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2010.1	3182	92.08	3089.92	1.02	1.012	630			3147.41504
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2009.866667	3182	92.81	3089.19	1.02	1.012	630			3146.67628
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2010.1	3182	92.5	3089.5	1.02	1.012	630			3146.99
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2010.333333	3182	91.27	3090.73	1.02	1.012	630			3148.23476
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2010.8	3182	91.18	3090.82	1.02	1.012	630			3148.32584
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2010.733333	3182	92.11	3089.89	1.02	1.012	630			3147.38468
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2011.433333	3182	91.57	3090.43	1.02	1.012	630			3147.93116
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2010.866667	3182	90.8	3091.2	1.02	1.012	630			3148.7104
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2011.433333	3182	92.19	3089.81	1.02	1.012	630			3147.30372
Miller-Nix-Yates - City of Carlsbad Test Well 3	32.453889	-104.128889	2011.3	3182	92.41	3089.59	1.02	1.012	630			3147.08108
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1963.63196	3502	391.51929	3110.48071	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1963.66357	3502	390.02222	3111.97778	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1963.71094	3502	390.74658	3111.25342	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1963.74255	3502	390.43286	3111.56714	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1963.8374	3502	390.31201	3111.68799	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1963.90051	3502	390.09473	3111.90527	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.02698	3502	389.68433	3112.31567	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.04272	3502	389.34619	3112.65381	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.09009	3502	389.24976	3112.75024	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.20068	3502	389.17725	3112.82275	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.27979	3502	390.16724	3111.83276	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.40613	3502	390.69849	3111.30151	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.67468	3502	393.30615	3108.69385	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.76953	3502	392.72656	3109.27344	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.86426	3502	392.07471	3109.92529	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1964.94336	3502	391.78491	3110.21509	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.05396	3502	391.64014	3110.35986	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.14868	3502	391.64014	3110.35986	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.21191	3502	391.64014	3110.35986	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.29089	3502	392.31616	3109.68384	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.32251	3502	392.38843	3109.61157	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.33826	3502	392.17114	3109.82886	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.43311	3502	391.97803	3110.02197	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.46472	3502	391.80908	3110.19092	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.49634	3502	392.34033	3109.65967	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.6543	3502	393.16113	3108.83887	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.6543	3502	392.65405	3109.34595	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.71753	3502	392.89551	3109.10449	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.84387	3502	391.88159	3110.11841	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1965.89124	3502	391.68823	3110.31177	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.03345	3502	391.39868	3110.60132	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.1283	3502	391.10889	3110.89111	1.014	1	Open Hole Completion	NA		
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.20728	3502	391.27783	3110.72217	1.014	1	Open Hole Completion	NA		

City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.302	3502	392.21948	3109.78052	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.36523	3502	391.90552	3110.09448	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.47583	3502	392.67822	3109.32178	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.60217	3502	393.83716	3108.16284	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.72864	3502	388.98413	3113.01587	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.82336	3502	389.10474	3112.89526	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.87085	3502	389.17725	3112.82275	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1966.94983	3502	389.17725	3112.82275	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.02881	3502	389.90161	3112.09839	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.09204	3502	389.61182	3112.38818	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.18677	3502	389.39453	3112.60547	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.26575	3502	389.99829	3112.00171	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.3606	3502	390.67432	3111.32568	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.39221	3502	391.25366	3110.74634	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.47119	3502	391.61597	3110.38403	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.51855	3502	386.56958	3115.43042	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.58179	3502	390.93994	3111.06006	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.62915	3502	391.25366	3110.74634	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.69238	3502	391.47095	3110.52905	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.75562	3502	391.03638	3110.96362	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.86621	3502	390.74658	3111.25342	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1967.92932	3502	390.55347	3111.44653	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.07153	3502	390.23975	3111.76025	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.198	3502	389.92578	3112.07422	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.27698	3502	390.26367	3111.73633	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.35596	3502	391.03638	3110.96362	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.38757	3502	390.69849	3111.30151	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.43494	3502	391.35034	3110.64966	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.4823	3502	392.09888	3109.90112	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.54553	3502	391.13306	3110.86694	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.62451	3502	391.61597	3110.38403	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.68774	3502	390.07056	3111.92944	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.76672	3502	391.03638	3110.96362	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1968.94055	3502	390.77075	3111.22925	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.05115	3502	390.65015	3111.34985	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.20911	3502	390.86743	3111.13257	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.28809	3502	391.25366	3110.74634	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.33545	3502	391.7124	3110.2876	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.41455	3502	392.38843	3109.61157	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.57251	3502	392.99219	3109.00781	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.63574	3502	392.91968	3109.08032	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.73047	3502	391.5918	3110.4082	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.7937	3502	391.01221	3110.98779	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.80945	3502	385.02441	3116.97559	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.85693	3502	389.17725	3112.82275	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1969.93591	3502	388.57373	3113.42627	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.07812	3502	387.92163	3114.07837	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.18872	3502	387.80103	3114.19897	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.22021	3502	388.45288	3113.54712	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.31506	3502	389.05664	3112.94336	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.3783	3502	389.73267	3112.26733	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.45728	3502	390.96387	3111.03613	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.52039	3502	390.79492	3111.20508	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.59949	3502	391.5918	3110.4082	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.69421	3502	391.37451	3110.62549	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.71008	3502	390.31201	3111.68799	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.77319	3502	389.8291	3112.1709	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.85217	3502	390.04639	3111.95361	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1970.96277	3502	389.97412	3112.02588	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.08923	3502	389.87744	3112.12256	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.18396	3502	389.97412	3112.02588	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.19983	3502	390.57764	3111.42236	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.29456	3502	391.54346	3110.45654	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.40515	3502	392.3645	3109.6355	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.53162	3502	393.13696	3108.86304	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.65796	3502	391.88159	3110.11841	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.81604	3502	391.73657	3110.26343	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1971.95813	3502	391.66431	3110.33569	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.03723	3502	391.32617	3110.67383	1.014	1	Open Hole Completion	NA

City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.11621	3502	391.37451	3110.62549	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.21094	3502	392.79907	3109.20093	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.28992	3502	392.70239	3109.29761	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.35315	3502	392.94385	3109.05615	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.47961	3502	392.79907	3109.20093	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.59009	3502	393.49927	3108.50073	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.65332	3502	392.50928	3109.49072	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.68494	3502	385.79688	3116.20312	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.74817	3502	389.66016	3112.33984	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.81128	3502	389.90161	3112.09839	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.89038	3502	389.90161	3112.09839	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1972.98511	3502	389.80493	3112.19507	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.0957	3502	388.86328	3113.13672	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.19055	3502	388.09082	3113.90918	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.34851	3502	389.7085	3112.2915	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.38013	3502	388.93579	3113.06421	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.50647	3502	389.92578	3112.07422	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.5697	3502	390.09473	3111.90527	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.61707	3502	390.86743	3111.13257	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.69604	3502	390.5293	3111.4707	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.77515	3502	390.91577	3111.08423	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.79089	3502	390.72266	3111.27734	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.90149	3502	391.03638	3110.96362	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1973.98047	3502	390.96387	3111.03613	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.0437	3502	391.15723	3110.84277	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.10693	3502	391.44678	3110.55322	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.31226	3502	392.38843	3109.61157	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.43872	3502	394.05444	3107.94556	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.50183	3502	394.19946	3107.80054	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.53345	3502	393.78882	3108.21118	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.61243	3502	393.86133	3108.13867	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.69141	3502	393.20947	3108.79053	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.73889	3502	389.34619	3112.65381	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.73889	3502	387.77686	3114.22314	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.81787	3502	387.36646	3114.63354	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.88098	3502	385.26587	3116.73413	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1974.96008	3502	385.21753	3116.78247	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.03906	3502	385.38647	3116.61353	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.11804	3502	384.9519	3117.0481	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.21277	3502	385.94189	3116.05811	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.22864	3502	385.38647	3116.61353	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.30762	3502	387.29395	3114.70605	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.37085	3502	385.6521	3116.3479	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.44983	3502	389.46704	3112.53296	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.56042	3502	389.12891	3112.87109	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.6394	3502	389.99829	3112.00171	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.67102	3502	389.7085	3112.2915	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.76575	3502	390.02222	3111.97778	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.81323	3502	389.78101	3112.21899	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1975.89221	3502	389.73267	3112.26733	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.03442	3502	389.58765	3112.41235	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.12915	3502	389.87744	3112.12256	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.224	3502	390.60181	3111.39819	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.28723	3502	390.8916	3111.1084	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.36621	3502	390.57764	3111.42236	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.44519	3502	392.31616	3109.68384	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.49255	3502	391.47095	3110.52905	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.60315	3502	391.73657	3110.26343	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.63477	3502	392.09888	3109.90112	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.698	3502	391.08472	3110.91528	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1976.82434	3502	390.62598	3111.37402	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1977.07715	3502	390.07056	3111.92944	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1977.23511	3502	389.68433	3112.31567	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1977.88293	3502	390.26367	3111.73633	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1978.13574	3502	390.02222	3111.97778	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1978.6571	3502	391.35034	3110.64966	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1978.89404	3502	387.5354	3114.4646	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1979.36804	3502	387.68018	3114.31982	1.014	1	Open Hole Completion	NA
City of Carlsbad, City Well 10/Dark Canyon Well 1	32.289216	-104.347105	1979.90515	3502	389.2981	3112.7019	1.014	1	Open Hole Completion	NA

City of Carlsbad Well 13	32.4425	-104.241389	1962.333333	3115	21.93	3093.07	1.014	1	289	3139.732
City of Carlsbad Well 13	32.4425	-104.241389	1962.9	3115	22.17	3092.83	1.014	1	289	3139.492
City of Carlsbad Well 13	32.4425	-104.241389	1962.416667	3115	22.24	3092.76	1.014	1	289	3139.422
City of Carlsbad Well 13	32.4425	-104.241389	1962.5	3115	22.45	3092.55	1.014	1	289	3139.212
City of Carlsbad Well 13	32.4425	-104.241389	1962.583333	3115	22.75	3092.25	1.014	1	289	3138.912
City of Carlsbad Well 13	32.4425	-104.241389	1962.666667	3115	22.56	3092.44	1.014	1	289	3139.102
City of Carlsbad Well 13	32.4425	-104.241389	1962.75	3115	22.42	3092.58	1.014	1	289	3139.242
City of Carlsbad Well 13	32.4425	-104.241389	1962.833333	3115	21.95	3093.05	1.014	1	289	3139.712
City of Carlsbad Well 13	32.4425	-104.241389	1962.916667	3115	21.92	3093.08	1.014	1	289	3139.742
City of Carlsbad Well 13	32.4425	-104.241389	1963	3115	21.66	3093.34	1.014	1	289	3140.002
City of Carlsbad Well 13	32.4425	-104.241389	1963.083333	3115	21.32	3093.68	1.014	1	289	3140.342
City of Carlsbad Well 13	32.4425	-104.241389	1963.166667	3115	21.17	3093.83	1.014	1	289	3140.492
City of Carlsbad Well 13	32.4425	-104.241389	1963.25	3115	21.04	3093.96	1.014	1	289	3140.622
City of Carlsbad Well 13	32.4425	-104.241389	1963.333333	3115	21.58	3093.42	1.014	1	289	3140.082
City of Carlsbad Well 13	32.4425	-104.241389	1963.416667	3115	22.15	3092.85	1.014	1	289	3139.512
City of Carlsbad Well 13	32.4425	-104.241389	1963.5	3115	22.81	3092.19	1.014	1	289	3138.852
City of Carlsbad Well 13	32.4425	-104.241389	1963.583333	3115	23.63	3091.37	1.014	1	289	3138.032
City of Carlsbad Well 13	32.4425	-104.241389	1963.666667	3115	23.32	3091.68	1.014	1	289	3138.342
City of Carlsbad Well 13	32.4425	-104.241389	1963.75	3115	22.24	3092.76	1.014	1	289	3139.422
City of Carlsbad Well 13	32.4425	-104.241389	1963.833333	3115	22.35	3092.65	1.014	1	289	3139.312
City of Carlsbad Well 13	32.4425	-104.241389	1963.916667	3115	21.92	3093.08	1.014	1	289	3139.742
City of Carlsbad Well 13	32.4425	-104.241389	1964	3115	21.52	3093.48	1.014	1	289	3140.142
City of Carlsbad Well 13	32.4425	-104.241389	1964.083333	3115	21.17	3093.83	1.014	1	289	3140.492
City of Carlsbad Well 13	32.4425	-104.241389	1964.166667	3115	21.06	3093.94	1.014	1	289	3140.602
City of Carlsbad Well 13	32.4425	-104.241389	1964.25	3115	21.09	3093.91	1.014	1	289	3140.572
City of Carlsbad Well 13	32.4425	-104.241389	1964.333333	3115	22.05	3092.95	1.014	1	289	3139.612
City of Carlsbad Well 13	32.4425	-104.241389	1964.416667	3115	22.85	3092.15	1.014	1	289	3138.812
City of Carlsbad Well 13	32.4425	-104.241389	1964.5	3115	23.54	3091.46	1.014	1	289	3138.122
City of Carlsbad Well 13	32.4425	-104.241389	1964.583333	3115	24.71	3090.29	1.014	1	289	3136.952
City of Carlsbad Well 13	32.4425	-104.241389	1964.666667	3115	25.55	3089.45	1.014	1	289	3136.112
City of Carlsbad Well 13	32.4425	-104.241389	1964.75	3115	25.54	3089.46	1.014	1	289	3136.122
City of Carlsbad Well 13	32.4425	-104.241389	1964.833333	3115	24.72	3090.28	1.014	1	289	3136.942
City of Carlsbad Well 13	32.4425	-104.241389	1964.916667	3115	23.87	3091.13	1.014	1	289	3137.792
City of Carlsbad Well 13	32.4425	-104.241389	1965	3115	23.53	3091.47	1.014	1	289	3138.132
City of Carlsbad Well 13	32.4425	-104.241389	1965.083333	3115	23.37	3091.63	1.014	1	289	3138.292
City of Carlsbad Well 13	32.4425	-104.241389	1965.166667	3115	23.27	3091.73	1.014	1	289	3138.392
City of Carlsbad Well 13	32.4425	-104.241389	1965.25	3115	23.36	3091.64	1.014	1	289	3138.302
City of Carlsbad Well 13	32.4425	-104.241389	1965.333333	3115	24.04	3090.96	1.014	1	289	3137.622
City of Carlsbad Well 13	32.4425	-104.241389	1965.416667	3115	24	3091	1.014	1	289	3137.662
City of Carlsbad Well 13	32.4425	-104.241389	1965.5	3115	23.71	3091.29	1.014	1	289	3137.952
City of Carlsbad Well 13	32.4425	-104.241389	1965.583333	3115	24.76	3090.24	1.014	1	289	3136.902
City of Carlsbad Well 13	32.4425	-104.241389	1965.666667	3115	24.72	3090.28	1.014	1	289	3136.942
City of Carlsbad Well 13	32.4425	-104.241389	1965.75	3115	24.51	3090.49	1.014	1	289	3137.152
City of Carlsbad Well 13	32.4425	-104.241389	1965.833333	3115	23.68	3091.32	1.014	1	289	3137.982
City of Carlsbad Well 13	32.4425	-104.241389	1965.916667	3115	23.41	3091.59	1.014	1	289	3138.252
City of Carlsbad Well 13	32.4425	-104.241389	1966	3115	23.22	3091.78	1.014	1	289	3138.442
City of Carlsbad Well 13	32.4425	-104.241389	1966.083333	3115	22.98	3092.02	1.014	1	289	3138.682
City of Carlsbad Well 13	32.4425	-104.241389	1966.166667	3115	23.43	3091.57	1.014	1	289	3138.232
City of Carlsbad Well 13	32.4425	-104.241389	1966.25	3115	23.45	3091.55	1.014	1	289	3138.212
City of Carlsbad Well 13	32.4425	-104.241389	1966.333333	3115	23.71	3091.29	1.014	1	289	3137.952
City of Carlsbad Well 13	32.4425	-104.241389	1966.416667	3115	23.76	3091.24	1.014	1	289	3137.902
City of Carlsbad Well 13	32.4425	-104.241389	1966.5	3115	24.48	3090.52	1.014	1	289	3137.182
City of Carlsbad Well 13	32.4425	-104.241389	1966.583333	3115	25.08	3089.92	1.014	1	289	3136.582
City of Carlsbad Well 13	32.4425	-104.241389	1966.666667	3115	24.86	3090.14	1.014	1	289	3136.802
City of Carlsbad Well 13	32.4425	-104.241389	1966.75	3115	21.51	3093.49	1.014	1	289	3140.152
City of Carlsbad Well 13	32.4425	-104.241389	1966.833333	3115	21.3	3093.7	1.014	1	289	3140.362
City of Carlsbad Well 13	32.4425	-104.241389	1966.916667	3115	21.26	3093.74	1.014	1	289	3140.402
City of Carlsbad Well 13	32.4425	-104.241389	1967	3115	21.84	3093.16	1.014	1	289	3139.822
City of Carlsbad Well 13	32.4425	-104.241389	1967.083333	3115	21.77	3093.23	1.014	1	289	3139.892
City of Carlsbad Well 13	32.4425	-104.241389	1967.166667	3115	21.31	3093.69	1.014	1	289	3140.352
City of Carlsbad Well 13	32.4425	-104.241389	1967.25	3115	21.47	3093.53	1.014	1	289	3140.192
City of Carlsbad Well 13	32.4425	-104.241389	1967.333333	3115	22.21	3092.79	1.014	1	289	3139.452
City of Carlsbad Well 13	32.4425	-104.241389	1967.416667	3115	23.06	3091.94	1.014	1	289	3138.602
City of Carlsbad Well 13	32.4425	-104.241389	1967.5	3115	23.35	3091.65	1.014	1	289	3138.312
City of Carlsbad Well 13	32.4425	-104.241389	1967.583333	3115	22.88	3092.12	1.014	1	289	3138.782
City of Carlsbad Well 13	32.4425	-104.241389	1967.666667	3115	23.2	3091.8	1.014	1	289	3138.462
City of Carlsbad Well 13	32.4425	-104.241389	1967.916667	3115	22.48	3092.52	1.014	1	289	3139.182
City of Carlsbad Well 13	32.4425	-104.241389	1968	3115	22.35	3092.65	1.014	1	289	3139.312
City of Carlsbad Well 13	32.4425	-104.241389	1968.083333	3115	22.14	3092.86	1.014	1	289	3139.522

City of Carlsbad Well 13	32.4425	-104.241389	1968.166667	3115	21.86	3093.14	1.014	1	289	3139.802
City of Carlsbad Well 13	32.4425	-104.241389	1968.25	3115	21.83	3093.17	1.014	1	289	3139.832
City of Carlsbad Well 13	32.4425	-104.241389	1968.333333	3115	22.28	3092.72	1.014	1	289	3139.382
City of Carlsbad Well 13	32.4425	-104.241389	1968.416667	3115	22.87	3092.13	1.014	1	289	3138.792
City of Carlsbad Well 13	32.4425	-104.241389	1968.5	3115	23.55	3091.45	1.014	1	289	3138.112
City of Carlsbad Well 13	32.4425	-104.241389	1968.583333	3115	23.29	3091.71	1.014	1	289	3138.372
City of Carlsbad Well 13	32.4425	-104.241389	1968.666667	3115	23.41	3091.59	1.014	1	289	3138.252
City of Carlsbad Well 13	32.4425	-104.241389	1968.75	3115	22.96	3092.04	1.014	1	289	3138.702
City of Carlsbad Well 13	32.4425	-104.241389	1968.833333	3115	22.89	3092.11	1.014	1	289	3138.772
City of Carlsbad Well 13	32.4425	-104.241389	1968.916667	3115	22.71	3092.29	1.014	1	289	3138.952
City of Carlsbad Well 13	32.4425	-104.241389	1969	3115	22.52	3092.48	1.014	1	289	3139.142
City of Carlsbad Well 13	32.4425	-104.241389	1969.083333	3115	22.45	3092.55	1.014	1	289	3139.212
City of Carlsbad Well 13	32.4425	-104.241389	1969.166667	3115	22.56	3092.44	1.014	1	289	3139.102
City of Carlsbad Well 13	32.4425	-104.241389	1969.25	3115	22.72	3092.28	1.014	1	289	3138.942
City of Carlsbad Well 13	32.4425	-104.241389	1969.333333	3115	23.19	3091.81	1.014	1	289	3138.472
City of Carlsbad Well 13	32.4425	-104.241389	1969.416667	3115	23.83	3091.17	1.014	1	289	3137.832
City of Carlsbad Well 13	32.4425	-104.241389	1969.5	3115	24.1	3090.9	1.014	1	289	3137.562
City of Carlsbad Well 13	32.4425	-104.241389	1969.583333	3115	24.49	3090.51	1.014	1	289	3137.172
City of Carlsbad Well 13	32.4425	-104.241389	1969.666667	3115	24.57	3090.43	1.014	1	289	3137.092
City of Carlsbad Well 13	32.4425	-104.241389	1969.75	3115	23.49	3091.51	1.014	1	289	3138.172
City of Carlsbad Well 13	32.4425	-104.241389	1969.833333	3115	22.36	3092.64	1.014	1	289	3139.302
City of Carlsbad Well 13	32.4425	-104.241389	1969.916667	3115	20.9	3094.1	1.014	1	289	3140.762
City of Carlsbad Well 13	32.4425	-104.241389	1970	3115	20.12	3094.88	1.014	1	289	3141.542
City of Carlsbad Well 13	32.4425	-104.241389	1970.083333	3115	19.72	3095.28	1.014	1	289	3141.942
City of Carlsbad Well 13	32.4425	-104.241389	1970.166667	3115	19.49	3095.51	1.014	1	289	3142.172
City of Carlsbad Well 13	32.4425	-104.241389	1970.25	3115	19.78	3095.22	1.014	1	289	3141.882
City of Carlsbad Well 13	32.4425	-104.241389	1970.333333	3115	20.53	3094.47	1.014	1	289	3141.132
City of Carlsbad Well 13	32.4425	-104.241389	1970.416667	3115	21.47	3093.53	1.014	1	289	3140.192
City of Carlsbad Well 13	32.4425	-104.241389	1970.5	3115	22.47	3092.53	1.014	1	289	3139.192
City of Carlsbad Well 13	32.4425	-104.241389	1970.583333	3115	22.81	3092.19	1.014	1	289	3138.852
City of Carlsbad Well 13	32.4425	-104.241389	1970.666667	3115	23.31	3091.69	1.014	1	289	3138.352
City of Carlsbad Well 13	32.4425	-104.241389	1970.75	3115	23.03	3091.97	1.014	1	289	3138.632
City of Carlsbad Well 13	32.4425	-104.241389	1970.833333	3115	22.03	3092.97	1.014	1	289	3139.632
City of Carlsbad Well 13	32.4425	-104.241389	1970.916667	3115	22.05	3092.95	1.014	1	289	3139.612
City of Carlsbad Well 13	32.4425	-104.241389	1971	3115	21.91	3093.09	1.014	1	289	3139.752
City of Carlsbad Well 13	32.4425	-104.241389	1971.083333	3115	21.77	3093.23	1.014	1	289	3139.892
City of Carlsbad Well 13	32.4425	-104.241389	1971.166667	3115	21.71	3093.29	1.014	1	289	3139.952
City of Carlsbad Well 13	32.4425	-104.241389	1971.25	3115	21.96	3093.04	1.014	1	289	3139.702
City of Carlsbad Well 13	32.4425	-104.241389	1971.333333	3115	22.86	3092.14	1.014	1	289	3138.802
City of Carlsbad Well 13	32.4425	-104.241389	1971.416667	3115	23.59	3091.41	1.014	1	289	3138.072
City of Carlsbad Well 13	32.4425	-104.241389	1971.5	3115	24.25	3090.75	1.014	1	289	3137.412
City of Carlsbad Well 13	32.4425	-104.241389	1971.583333	3115	24.97	3090.03	1.014	1	289	3136.692
City of Carlsbad Well 13	32.4425	-104.241389	1971.666667	3115	23.95	3091.05	1.014	1	289	3137.712
City of Carlsbad Well 13	32.4425	-104.241389	1971.75	3115	23.8	3091.2	1.014	1	289	3137.862
City of Carlsbad Well 13	32.4425	-104.241389	1971.833333	3115	23.35	3091.65	1.014	1	289	3138.312
City of Carlsbad Well 13	32.4425	-104.241389	1971.916667	3115	23.28	3091.72	1.014	1	289	3138.382
City of Carlsbad Well 13	32.4425	-104.241389	1972	3115	23.07	3091.93	1.014	1	289	3138.592
City of Carlsbad Well 13	32.4425	-104.241389	1972.083333	3115	22.9	3092.1	1.014	1	289	3138.762
City of Carlsbad Well 13	32.4425	-104.241389	1972.166667	3115	22.89	3092.11	1.014	1	289	3138.772
City of Carlsbad Well 13	32.4425	-104.241389	1972.25	3115	23.74	3091.26	1.014	1	289	3137.922
City of Carlsbad Well 13	32.4425	-104.241389	1972.333333	3115	24.35	3090.65	1.014	1	289	3137.312
City of Carlsbad Well 13	32.4425	-104.241389	1972.416667	3115	24.31	3090.69	1.014	1	289	3137.352
City of Carlsbad Well 13	32.4425	-104.241389	1972.5	3115	24.25	3090.75	1.014	1	289	3137.412
City of Carlsbad Well 13	32.4425	-104.241389	1972.583333	3115	24.64	3090.36	1.014	1	289	3137.022
City of Carlsbad Well 13	32.4425	-104.241389	1972.666667	3115	24.78	3090.22	1.014	1	289	3136.882
City of Carlsbad Well 13	32.4425	-104.241389	1972.75	3115	22.12	3092.88	1.014	1	289	3139.542
City of Carlsbad Well 13	32.4425	-104.241389	1972.833333	3115	21.63	3093.37	1.014	1	289	3140.032
City of Carlsbad Well 13	32.4425	-104.241389	1972.916667	3115	21.61	3093.39	1.014	1	289	3140.052
City of Carlsbad Well 13	32.4425	-104.241389	1973	3115	21.51	3093.49	1.014	1	289	3140.152
City of Carlsbad Well 13	32.4425	-104.241389	1973.083333	3115	20.78	3094.22	1.014	1	289	3140.882
City of Carlsbad Well 13	32.4425	-104.241389	1973.166667	3115	19.9	3095.1	1.014	1	289	3141.762
City of Carlsbad Well 13	32.4425	-104.241389	1973.25	3115	19.33	3095.67	1.014	1	289	3142.332
City of Carlsbad Well 13	32.4425	-104.241389	1973.333333	3115	20.52	3094.48	1.014	1	289	3141.142
City of Carlsbad Well 13	32.4425	-104.241389	1973.416667	3115	21.02	3093.98	1.014	1	289	3140.642
City of Carlsbad Well 13	32.4425	-104.241389	1973.5	3115	20.93	3094.07	1.014	1	289	3140.732
City of Carlsbad Well 13	32.4425	-104.241389	1973.583333	3115	21.51	3093.49	1.014	1	289	3140.152
City of Carlsbad Well 13	32.4425	-104.241389	1973.666667	3115	22.79	3092.21	1.014	1	289	3138.872
City of Carlsbad Well 13	32.4425	-104.241389	1973.75	3115	22.44	3092.56	1.014	1	289	3139.222
City of Carlsbad Well 13	32.4425	-104.241389	1973.833333	3115	22.66	3092.34	1.014	1	289	3139.002

City of Carlsbad Well 13	32.4425	-104.241389	1973.916667	3115	22.65	3092.35	1.014	1	289	3139.012
City of Carlsbad Well 13	32.4425	-104.241389	1974.333333	3115	23.9	3091.1	1.014	1	289	3137.762
City of Carlsbad Well 13	32.4425	-104.241389	1974.416667	3115	24.26	3090.74	1.014	1	289	3137.402
City of Carlsbad Well 13	32.4425	-104.241389	1974.5	3115	25.16	3089.84	1.014	1	289	3136.502
City of Carlsbad Well 13	32.4425	-104.241389	1974.583333	3115	25.72	3089.28	1.014	1	289	3135.942
City of Carlsbad Well 13	32.4425	-104.241389	1974.666667	3115	25.73	3089.27	1.014	1	289	3135.932
City of Carlsbad Well 13	32.4425	-104.241389	1974.75	3115	23.87	3091.13	1.014	1	289	3137.792
City of Carlsbad Well 13	32.4425	-104.241389	1974.833333	3115	19.65	3095.35	1.014	1	289	3142.012
City of Carlsbad Well 13	32.4425	-104.241389	1974.916667	3115	17.66	3097.34	1.014	1	289	3144.002
City of Carlsbad Well 13	32.4425	-104.241389	1975	3115	17.58	3097.42	1.014	1	289	3144.082
City of Carlsbad Well 13	32.4425	-104.241389	1975.083333	3115	17.48	3097.52	1.014	1	289	3144.182
City of Carlsbad Well 13	32.4425	-104.241389	1975.166667	3115	17.35	3097.65	1.014	1	289	3144.312
City of Carlsbad Well 13	32.4425	-104.241389	1975.25	3115	18.01	3096.99	1.014	1	289	3143.652
City of Carlsbad Well 13	32.4425	-104.241389	1975.333333	3115	18.97	3096.03	1.014	1	289	3142.692
City of Carlsbad Well 13	32.4425	-104.241389	1975.416667	3115	20.07	3094.93	1.014	1	289	3141.592
City of Carlsbad Well 13	32.4425	-104.241389	1975.5	3115	21.09	3093.91	1.014	1	289	3140.572
City of Carlsbad Well 13	32.4425	-104.241389	1975.583333	3115	21.42	3093.58	1.014	1	289	3140.242
City of Carlsbad Well 13	32.4425	-104.241389	1975.666667	3115	21.52	3093.48	1.014	1	289	3140.142
City of Carlsbad Well 13	32.4425	-104.241389	1975.75	3115	21.91	3093.09	1.014	1	289	3139.752
City of Carlsbad Well 13	32.4425	-104.241389	1975.833333	3115	22.56	3092.44	1.014	1	289	3139.102
City of Carlsbad Well 13	32.4425	-104.241389	1975.916667	3115	22.1	3092.9	1.014	1	289	3139.562
City of Carlsbad Well 13	32.4425	-104.241389	1976	3115	21.84	3093.16	1.014	1	289	3139.822
City of Carlsbad Well 13	32.4425	-104.241389	1976.083333	3115	21.66	3093.34	1.014	1	289	3140.002
City of Carlsbad Well 13	32.4425	-104.241389	1976.166667	3115	21.81	3093.19	1.014	1	289	3139.852
City of Carlsbad Well 13	32.4425	-104.241389	1976.25	3115	22.51	3092.49	1.014	1	289	3139.152
City of Carlsbad Well 13	32.4425	-104.241389	1976.333333	3115	22.88	3092.12	1.014	1	289	3138.782
City of Carlsbad Well 13	32.4425	-104.241389	1976.416667	3115	23.02	3091.98	1.014	1	289	3138.642
City of Carlsbad Well 13	32.4425	-104.241389	1976.5	3115	24.02	3090.98	1.014	1	289	3137.642
City of Carlsbad Well 13	32.4425	-104.241389	1976.583333	3115	24.17	3090.83	1.014	1	289	3137.492
City of Carlsbad Well 13	32.4425	-104.241389	1976.666667	3115	24.2	3090.8	1.014	1	289	3137.462
City of Carlsbad Well 13	32.4425	-104.241389	1976.75	3115	23.24	3091.76	1.014	1	289	3138.422
City of Carlsbad Well 13	32.4425	-104.241389	1976.833333	3115	22.91	3092.09	1.014	1	289	3138.752
City of Carlsbad Well 13	32.4425	-104.241389	1976.916667	3115	22.63	3092.37	1.014	1	289	3139.032
City of Carlsbad Well 13	32.4425	-104.241389	1977	3115	22.43	3092.57	1.014	1	289	3139.232
City of Carlsbad Well 13	32.4425	-104.241389	1977.083333	3115	22.27	3092.73	1.014	1	289	3139.392
City of Carlsbad Well 13	32.4425	-104.241389	1977.166667	3115	22.07	3092.93	1.014	1	289	3139.592
City of Carlsbad Well 13	32.4425	-104.241389	1977.25	3115	22.4	3092.6	1.014	1	289	3139.262
City of Carlsbad Well 13	32.4425	-104.241389	1977.333333	3115	23.2	3091.8	1.014	1	289	3138.462
City of Carlsbad Well 13	32.4425	-104.241389	1977.416667	3115	23.18	3091.82	1.014	1	289	3138.482
City of Carlsbad Well 13	32.4425	-104.241389	1977.5	3115	23.78	3091.22	1.014	1	289	3137.882
City of Carlsbad Well 13	32.4425	-104.241389	1977.583333	3115	24.62	3090.38	1.014	1	289	3137.042
City of Carlsbad Well 13	32.4425	-104.241389	1977.666667	3115	24.53	3090.47	1.014	1	289	3137.132
City of Carlsbad Well 13	32.4425	-104.241389	1977.75	3115	24.05	3090.95	1.014	1	289	3137.612
City of Carlsbad Well 13	32.4425	-104.241389	1977.833333	3115	23.73	3091.27	1.014	1	289	3137.932
City of Carlsbad Well 13	32.4425	-104.241389	1977.916667	3115	23.44	3091.56	1.014	1	289	3138.222
City of Carlsbad Well 13	32.4425	-104.241389	1978	3115	23.31	3091.69	1.014	1	289	3138.352
City of Carlsbad Well 13	32.4425	-104.241389	1978.083333	3115	23.29	3091.71	1.014	1	289	3138.372
City of Carlsbad Well 13	32.4425	-104.241389	1978.166667	3115	23.07	3091.93	1.014	1	289	3138.592
City of Carlsbad Well 13	32.4425	-104.241389	1978.25	3115	23.5	3091.5	1.014	1	289	3138.162
City of Carlsbad Well 13	32.4425	-104.241389	1978.333333	3115	23.75	3091.25	1.014	1	289	3137.912
City of Carlsbad Well 13	32.4425	-104.241389	1978.416667	3115	23.84	3091.16	1.014	1	289	3137.822
City of Carlsbad Well 13	32.4425	-104.241389	1978.5	3115	24.29	3090.71	1.014	1	289	3137.372
City of Carlsbad Well 13	32.4425	-104.241389	1978.583333	3115	24.46	3090.54	1.014	1	289	3137.202
City of Carlsbad Well 13	32.4425	-104.241389	1978.666667	3115	24.18	3090.82	1.014	1	289	3137.482
City of Carlsbad Well 13	32.4425	-104.241389	1978.75	3115	23.19	3091.81	1.014	1	289	3138.472
City of Carlsbad Well 13	32.4425	-104.241389	1978.833333	3115	21.69	3093.31	1.014	1	289	3139.972
City of Carlsbad Well 13	32.4425	-104.241389	1978.916667	3115	20.85	3094.15	1.014	1	289	3140.812
City of Carlsbad Well 13	32.4425	-104.241389	1979	3115	20.18	3094.82	1.014	1	289	3141.482
City of Carlsbad Well 13	32.4425	-104.241389	1979.083333	3115	19.96	3095.04	1.014	1	289	3141.702
City of Carlsbad Well 13	32.4425	-104.241389	1979.166667	3115	19.83	3095.17	1.014	1	289	3141.832
City of Carlsbad Well 13	32.4425	-104.241389	1979.25	3115	19.95	3095.05	1.014	1	289	3141.712
City of Carlsbad Well 13	32.4425	-104.241389	1979.333333	3115	20.48	3094.52	1.014	1	289	3141.182
City of Carlsbad Well 13	32.4425	-104.241389	1979.416667	3115	21.09	3093.91	1.014	1	289	3140.572
City of Carlsbad Well 13	32.4425	-104.241389	1979.5	3115	20.89	3094.11	1.014	1	289	3140.772
City of Carlsbad Well 13	32.4425	-104.241389	1979.583333	3115	21.17	3093.83	1.014	1	289	3140.492
City of Carlsbad Well 13	32.4425	-104.241389	1979.666667	3115	20.96	3094.04	1.014	1	289	3140.702
City of Carlsbad Well 13	32.4425	-104.241389	1979.75	3115	21.31	3093.69	1.014	1	289	3140.352
City of Carlsbad Well 13	32.4425	-104.241389	1979.833333	3115	21.63	3093.37	1.014	1	289	3140.032
City of Carlsbad Well 13	32.4425	-104.241389	1979.916667	3115	21.84	3093.16	1.014	1	289	3139.822

City of Carlsbad Well 13	32.4425	-104.241389	1980	3115	21.46	3093.54	1.014	1	289	3140.202
City of Carlsbad Well 13	32.4425	-104.241389	1980.083333	3115	21.27	3093.73	1.014	1	289	3140.392
City of Carlsbad Well 13	32.4425	-104.241389	1980.166667	3115	21.1	3093.9	1.014	1	289	3140.562
City of Carlsbad Well 13	32.4425	-104.241389	1980.25	3115	21.34	3093.66	1.014	1	289	3140.322
City of Carlsbad Well 13	32.4425	-104.241389	1980.333333	3115	22.02	3092.98	1.014	1	289	3139.642
City of Carlsbad Well 13	32.4425	-104.241389	1980.416667	3115	22.63	3092.37	1.014	1	289	3139.032
City of Carlsbad Well 13	32.4425	-104.241389	1980.5	3115	23.43	3091.57	1.014	1	289	3138.232
City of Carlsbad Well 13	32.4425	-104.241389	1980.583333	3115	24.15	3090.85	1.014	1	289	3137.512
City of Carlsbad Well 13	32.4425	-104.241389	1980.666667	3115	23.91	3091.09	1.014	1	289	3137.752
City of Carlsbad Well 13	32.4425	-104.241389	1980.75	3115	22.73	3092.27	1.014	1	289	3138.932
City of Carlsbad Well 13	32.4425	-104.241389	1980.833333	3115	21.18	3093.82	1.014	1	289	3140.482
City of Carlsbad Well 13	32.4425	-104.241389	1980.916667	3115	21.08	3093.92	1.014	1	289	3140.582
City of Carlsbad Well 13	32.4425	-104.241389	1981	3115	21.11	3093.89	1.014	1	289	3140.552
City of Carlsbad Well 13	32.4425	-104.241389	1981.083333	3115	20.72	3094.28	1.014	1	289	3140.942
City of Carlsbad Well 13	32.4425	-104.241389	1981.166667	3115	20.16	3094.84	1.014	1	289	3141.502
City of Carlsbad Well 13	32.4425	-104.241389	1981.25	3115	20.63	3094.37	1.014	1	289	3141.032
City of Carlsbad Well 13	32.4425	-104.241389	1981.333333	3115	21.3	3093.7	1.014	1	289	3140.362
City of Carlsbad Well 13	32.4425	-104.241389	1981.416667	3115	21.78	3093.22	1.014	1	289	3139.882
City of Carlsbad Well 13	32.4425	-104.241389	1981.5	3115	22.58	3092.42	1.014	1	289	3139.082
City of Carlsbad Well 13	32.4425	-104.241389	1981.583333	3115	22.86	3092.14	1.014	1	289	3138.802
City of Carlsbad Well 13	32.4425	-104.241389	1981.666667	3115	22.74	3092.26	1.014	1	289	3138.922
City of Carlsbad Well 13	32.4425	-104.241389	1982.7	3115	22.65	3092.35	1.014	1	289	3139.012
City of Carlsbad Well 13	32.4425	-104.241389	1981.75	3115	22.45	3092.55	1.014	1	289	3139.212
City of Carlsbad Well 13	32.4425	-104.241389	1981.833333	3115	22.37	3092.63	1.014	1	289	3139.292
City of Carlsbad Well 13	32.4425	-104.241389	1981.916667	3115	22.27	3092.73	1.014	1	289	3139.392
City of Carlsbad Well 13	32.4425	-104.241389	1982	3115	22.27	3092.73	1.014	1	289	3139.392
City of Carlsbad Well 13	32.4425	-104.241389	1982.166667	3115	22.13	3092.87	1.014	1	289	3139.532
City of Carlsbad Well 13	32.4425	-104.241389	1982.25	3115	23.09	3091.91	1.014	1	289	3138.572
City of Carlsbad Well 13	32.4425	-104.241389	1982.55	3115	22.77	3092.23	1.014	1	289	3138.892
City of Carlsbad Well 13	32.4425	-104.241389	1982.333333	3115	23.31	3091.69	1.014	1	289	3138.352
City of Carlsbad Well 13	32.4425	-104.241389	1982.416667	3115	23.04	3091.96	1.014	1	289	3138.622
City of Carlsbad Well 13	32.4425	-104.241389	1982.5	3115	23.54	3091.46	1.014	1	289	3138.122
City of Carlsbad Well 13	32.4425	-104.241389	1982.583333	3115	23.63	3091.37	1.014	1	289	3138.032
City of Carlsbad Well 13	32.4425	-104.241389	1982.666667	3115	23.88	3091.12	1.014	1	289	3137.782
City of Carlsbad Well 13	32.4425	-104.241389	1983.266667	3115	23.94	3091.06	1.014	1	289	3137.722
City of Carlsbad Well 13	32.4425	-104.241389	1982.75	3115	23.77	3091.23	1.014	1	289	3137.892
City of Carlsbad Well 13	32.4425	-104.241389	1982.833333	3115	23.32	3091.68	1.014	1	289	3138.342
City of Carlsbad Well 13	32.4425	-104.241389	1982.916667	3115	22.85	3092.15	1.014	1	289	3138.812
City of Carlsbad Well 13	32.4425	-104.241389	1983	3115	22.77	3092.23	1.014	1	289	3138.892
City of Carlsbad Well 13	32.4425	-104.241389	1983.083333	3115	22.56	3092.44	1.014	1	289	3139.102
City of Carlsbad Well 13	32.4425	-104.241389	1983.166667	3115	22.31	3092.69	1.014	1	289	3139.352
City of Carlsbad Well 13	32.4425	-104.241389	1983.25	3115	22.75	3092.25	1.014	1	289	3138.912
City of Carlsbad Well 13	32.4425	-104.241389	1984.016667	3115	22.84	3092.16	1.014	1	289	3138.822
City of Carlsbad Well 13	32.4425	-104.241389	1983.333333	3115	22.92	3092.08	1.014	1	289	3138.742
City of Carlsbad Well 13	32.4425	-104.241389	1983.416667	3115	23.5	3091.5	1.014	1	289	3138.162
City of Carlsbad Well 13	32.4425	-104.241389	1983.666667	3115	24.11	3090.89	1.014	1	289	3137.552
City of Carlsbad Well 13	32.4425	-104.241389	1984.4	3115	24.18	3090.82	1.014	1	289	3137.482
City of Carlsbad Well 13	32.4425	-104.241389	1983.75	3115	24.15	3090.85	1.014	1	289	3137.512
City of Carlsbad Well 13	32.4425	-104.241389	1983.833333	3115	23.43	3091.57	1.014	1	289	3138.232
City of Carlsbad Well 13	32.4425	-104.241389	1984.083333	3115	22.51	3092.49	1.014	1	289	3139.152
City of Carlsbad Well 13	32.4425	-104.241389	1984.166667	3115	22.08	3092.92	1.014	1	289	3139.582
City of Carlsbad Well 13	32.4425	-104.241389	1984.833333	3115	22.2	3092.8	1.014	1	289	3139.462
City of Carlsbad Well 13	32.4425	-104.241389	1984.25	3115	22.37	3092.63	1.014	1	289	3139.292
City of Carlsbad Well 13	32.4425	-104.241389	1984.333333	3115	23.22	3091.78	1.014	1	289	3138.442
City of Carlsbad Well 13	32.4425	-104.241389	1984.416667	3115	23.73	3091.27	1.014	1	289	3137.932
City of Carlsbad Well 13	32.4425	-104.241389	1984.5	3115	23.56	3091.44	1.014	1	289	3138.102
City of Carlsbad Well 13	32.4425	-104.241389	1984.583333	3115	23.37	3091.63	1.014	1	289	3138.292
City of Carlsbad Well 13	32.4425	-104.241389	1984.666667	3115	22.47	3092.53	1.014	1	289	3139.192
City of Carlsbad Well 13	32.4425	-104.241389	1985.366667	3115	21.89	3093.11	1.014	1	289	3139.772
City of Carlsbad Well 13	32.4425	-104.241389	1984.75	3115	21.89	3093.11	1.014	1	289	3139.772
City of Carlsbad Well 13	32.4425	-104.241389	1984.833333	3115	21.89	3093.11	1.014	1	289	3139.772
City of Carlsbad Well 13	32.4425	-104.241389	1984.916667	3115	21.87	3093.13	1.014	1	289	3139.792
City of Carlsbad Well 13	32.4425	-104.241389	1985	3115	21.74	3093.26	1.014	1	289	3139.922
City of Carlsbad Well 13	32.4425	-104.241389	1985.083333	3115	20.55	3094.45	1.014	1	289	3141.112
City of Carlsbad Well 13	32.4425	-104.241389	1985.683333	3115	20.79	3094.21	1.014	1	289	3140.872
City of Carlsbad Well 13	32.4425	-104.241389	1985.333333	3115	21.92	3093.08	1.014	1	289	3139.742
City of Carlsbad Well 13	32.4425	-104.241389	1985.416667	3115	22.07	3092.93	1.014	1	289	3139.592
City of Carlsbad Well 13	32.4425	-104.241389	1985.5	3115	22.5	3092.5	1.014	1	289	3139.162
City of Carlsbad Well 13	32.4425	-104.241389	1985.583333	3115	23.01	3091.99	1.014	1	289	3138.652

City of Carlsbad Well 13	32.4425	-104.241389	1985.666667	3115	23.56	3091.44	1.014	1	289	3138.102
City of Carlsbad Well 13	32.4425	-104.241389	1985.75	3115	23.2	3091.8	1.014	1	289	3138.462
City of Carlsbad Well 13	32.4425	-104.241389	1985.833333	3115	22.69	3092.31	1.014	1	289	3138.972
City of Carlsbad Well 13	32.4425	-104.241389	1985.916667	3115	22.51	3092.49	1.014	1	289	3139.152
City of Carlsbad Well 13	32.4425	-104.241389	1986	3115	22.44	3092.56	1.014	1	289	3139.222
City of Carlsbad Well 13	32.4425	-104.241389	1986.083333	3115	21.73	3093.27	1.014	1	289	3139.932
City of Carlsbad Well 13	32.4425	-104.241389	1986.55	3115	21.8	3093.2	1.014	1	289	3139.862
City of Carlsbad Well 13	32.4425	-104.241389	1986.166667	3115	21.3	3093.7	1.014	1	289	3140.362
City of Carlsbad Well 13	32.4425	-104.241389	1986.25	3115	22.17	3092.83	1.014	1	289	3139.492
City of Carlsbad Well 13	32.4425	-104.241389	1986.333333	3115	22.88	3092.12	1.014	1	289	3138.782
City of Carlsbad Well 13	32.4425	-104.241389	1986.416667	3115	23.53	3091.47	1.014	1	289	3138.132
City of Carlsbad Well 13	32.4425	-104.241389	1986.5	3115	22.57	3092.43	1.014	1	289	3139.092
City of Carlsbad Well 13	32.4425	-104.241389	1986.583333	3115	20.03	3094.97	1.014	1	289	3141.632
City of Carlsbad Well 13	32.4425	-104.241389	1986.666667	3115	20.9	3094.1	1.014	1	289	3140.762
City of Carlsbad Well 13	32.4425	-104.241389	1987.266667	3115	20.99	3094.01	1.014	1	289	3140.672
City of Carlsbad Well 13	32.4425	-104.241389	1986.75	3115	20.65	3094.35	1.014	1	289	3141.012
City of Carlsbad Well 13	32.4425	-104.241389	1986.833333	3115	20.57	3094.43	1.014	1	289	3141.092
City of Carlsbad Well 13	32.4425	-104.241389	1986.916667	3115	18.62	3096.38	1.014	1	289	3143.042
City of Carlsbad Well 13	32.4425	-104.241389	1987	3115	18.28	3096.72	1.014	1	289	3143.382
City of Carlsbad Well 13	32.4425	-104.241389	1987.783333	3115	17.96	3097.04	1.014	1	289	3143.702
City of Carlsbad Well 13	32.4425	-104.241389	1988.283333	3115	18.03	3096.97	1.014	1	289	3143.632
City of Carlsbad Well 13	32.4425	-104.241389	1988.233333	3115	18.69	3096.31	1.014	1	289	3142.972
City of Carlsbad Well 13	32.4425	-104.241389	1988.916667	3115	18.84	3096.16	1.014	1	289	3142.822
City of Carlsbad Well 13	32.4425	-104.241389	1988.766667	3115	18.22	3096.78	1.014	1	289	3143.442
City of Carlsbad Well 13	32.4425	-104.241389	1988.95	3115	18.62	3096.38	1.014	1	289	3143.042
City of Carlsbad Well 13	32.4425	-104.241389	1988.833333	3115	19.76	3095.24	1.014	1	289	3141.902
City of Carlsbad Well 13	32.4425	-104.241389	1988.933333	3115	19.74	3095.26	1.014	1	289	3141.922
City of Carlsbad Well 13	32.4425	-104.241389	1989.25	3115	20.84	3094.16	1.014	1	289	3140.822
City of Carlsbad Well 13	32.4425	-104.241389	1989.166667	3115	21.4	3093.6	1.014	1	289	3140.262
City of Carlsbad Well 13	32.4425	-104.241389	1989.283333	3115	21.07	3093.93	1.014	1	289	3140.592
City of Carlsbad Well 13	32.4425	-104.241389	1989.2	3115	20.88	3094.12	1.014	1	289	3140.782
City of Carlsbad Well 13	32.4425	-104.241389	1989.65	3115	20.49	3094.51	1.014	1	289	3141.172
City of Carlsbad Well 13	32.4425	-104.241389	1989.866667	3115	20.77	3094.23	1.014	1	289	3140.892
City of Carlsbad Well 13	32.4425	-104.241389	1989.616667	3115	21.09	3093.91	1.014	1	289	3140.572
City of Carlsbad Well 13	32.4425	-104.241389	1989.983333	3115	20.85	3094.15	1.014	1	289	3140.812
City of Carlsbad Well 13	32.4425	-104.241389	1989.866667	3115	20.97	3094.03	1.014	1	289	3140.692
City of Carlsbad Well 13	32.4425	-104.241389	1989.816667	3115	21.41	3093.59	1.014	1	289	3140.252
City of Carlsbad Well 13	32.4425	-104.241389	1990.233333	3115	22.04	3092.96	1.014	1	289	3139.622
City of Carlsbad Well 13	32.4425	-104.241389	1990.15	3115	22.47	3092.53	1.014	1	289	3139.192
City of Carlsbad Well 13	32.4425	-104.241389	1990.033333	3115	22.43	3092.57	1.014	1	289	3139.232
City of Carlsbad Well 13	32.4425	-104.241389	1990.383333	3115	22.98	3092.02	1.014	1	289	3138.682
City of Carlsbad Well 13	32.4425	-104.241389	1990.6	3115	22.99	3092.01	1.014	1	289	3138.672
City of Carlsbad Well 13	32.4425	-104.241389	1990.583333	3115	22.66	3092.34	1.014	1	289	3139.002
City of Carlsbad Well 13	32.4425	-104.241389	1990.833333	3115	22.31	3092.69	1.014	1	289	3139.352
City of Carlsbad Well 13	32.4425	-104.241389	1990.816667	3115	22.06	3092.94	1.014	1	289	3139.602
City of Carlsbad Well 13	32.4425	-104.241389	1990.6	3115	21.96	3093.04	1.014	1	289	3139.702
City of Carlsbad Well 13	32.4425	-104.241389	1990.883333	3115	22.15	3092.85	1.014	1	289	3139.512
City of Carlsbad Well 13	32.4425	-104.241389	1990.866667	3115	22.07	3092.93	1.014	1	289	3139.592
City of Carlsbad Well 13	32.4425	-104.241389	1990.983333	3115	22.66	3092.34	1.014	1	289	3139.002
City of Carlsbad Well 13	32.4425	-104.241389	1990.966667	3115	22.84	3092.16	1.014	1	289	3138.822
City of Carlsbad Well 13	32.4425	-104.241389	1990.916667	3115	23.29	3091.71	1.014	1	289	3138.372
City of Carlsbad Well 13	32.4425	-104.241389	1991.166667	3115	24.23	3090.77	1.014	1	289	3137.432
City of Carlsbad Well 13	32.4425	-104.241389	1991.183333	3115	23.69	3091.31	1.014	1	289	3137.972
City of Carlsbad Well 13	32.4425	-104.241389	1991.366667	3115	23.16	3091.84	1.014	1	289	3138.502
City of Carlsbad Well 13	32.4425	-104.241389	1991.416667	3115	23.29	3091.71	1.014	1	289	3138.372
City of Carlsbad Well 13	32.4425	-104.241389	1991.666667	3115	22.99	3092.01	1.014	1	289	3138.672
City of Carlsbad Well 13	32.4425	-104.241389	1992.016667	3115	22.45	3092.55	1.014	1	289	3139.212
City of Carlsbad Well 13	32.4425	-104.241389	1991.9	3115	22.54	3092.46	1.014	1	289	3139.122
City of Carlsbad Well 13	32.4425	-104.241389	1991.65	3115	22.65	3092.35	1.014	1	289	3139.012
City of Carlsbad Well 13	32.4425	-104.241389	1991.916667	3115	22.88	3092.12	1.014	1	289	3138.782
City of Carlsbad Well 13	32.4425	-104.241389	1992.35	3115	23.72	3091.28	1.014	1	289	3137.942
City of Carlsbad Well 13	32.4425	-104.241389	1992.2	3115	23.85	3091.15	1.014	1	289	3137.812
City of Carlsbad Well 13	32.4425	-104.241389	1992.35	3115	23.4	3091.6	1.014	1	289	3138.262
City of Carlsbad Well 13	32.4425	-104.241389	1992.333333	3115	22.85	3092.15	1.014	1	289	3138.812
City of Carlsbad Well 13	32.4425	-104.241389	1992.616667	3115	21.38	3093.62	1.014	1	289	3140.282
City of Carlsbad Well 13	32.4425	-104.241389	1992.833333	3115	21.39	3093.61	1.014	1	289	3140.272
City of Carlsbad Well 13	32.4425	-104.241389	1992.616667	3115	21	3094	1.014	1	289	3140.662
City of Carlsbad Well 13	32.4425	-104.241389	1992.766667	3115	20.74	3094.26	1.014	1	289	3140.922
City of Carlsbad Well 13	32.4425	-104.241389	1993.116667	3115	21.04	3093.96	1.014	1	289	3140.622

City of Carlsbad Well 13	32.4425	-104.241389	1993.116667	3115	21.37	3093.63	1.014	1	289	3140.292
City of Carlsbad Well 13	32.4425	-104.241389	1993.133333	3115	21.79	3093.21	1.014	1	289	3139.872
City of Carlsbad Well 13	32.4425	-104.241389	1993.283333	3115	21.67	3093.33	1.014	1	289	3139.992
City of Carlsbad Well 13	32.4425	-104.241389	1993.466667	3115	19.06	3095.94	1.014	1	289	3142.602
City of Carlsbad Well 13	32.4425	-104.241389	1993.483333	3115	20.3	3094.7	1.014	1	289	3141.362
City of Carlsbad Well 13	32.4425	-104.241389	1993.6	3115	21.02	3093.98	1.014	1	289	3140.642
City of Carlsbad Well 13	32.4425	-104.241389	1993.683333	3115	20.8	3094.2	1.014	1	289	3140.862
City of Carlsbad Well 13	32.4425	-104.241389	1993.733333	3115	21.04	3093.96	1.014	1	289	3140.622
City of Carlsbad Well 13	32.4425	-104.241389	1993.516667	3115	20.96	3094.04	1.014	1	289	3140.702
City of Carlsbad Well 13	32.4425	-104.241389	1993.2	3115	21.87	3093.13	1.014	1	289	3139.792
City of Carlsbad Well 13	32.4425	-104.241389	1993.9	3115	22.1	3092.9	1.014	1	289	3139.562
City of Carlsbad Well 13	32.4425	-104.241389	1994.05	3115	22.06	3092.94	1.014	1	289	3139.602
City of Carlsbad Well 13	32.4425	-104.241389	1994.066667	3115	22.37	3092.63	1.014	1	289	3139.292
City of Carlsbad Well 13	32.4425	-104.241389	1994.25	3115	22.81	3092.19	1.014	1	289	3138.852
City of Carlsbad Well 13	32.4425	-104.241389	1994.433333	3115	22.96	3092.04	1.014	1	289	3138.702
City of Carlsbad Well 13	32.4425	-104.241389	1994.283333	3115	22.53	3092.47	1.014	1	289	3139.132
City of Carlsbad Well 13	32.4425	-104.241389	1994.666667	3115	23.27	3091.73	1.014	1	289	3138.392
City of Carlsbad Well 13	32.4425	-104.241389	1994.65	3115	23.17	3091.83	1.014	1	289	3138.492
City of Carlsbad Well 13	32.4425	-104.241389	1994.833333	3115	22.54	3092.46	1.014	1	289	3139.122
City of Carlsbad Well 13	32.4425	-104.241389	1994.916667	3115	22.34	3092.66	1.014	1	289	3139.322
City of Carlsbad Well 13	32.4425	-104.241389	1995	3115	22.39	3092.61	1.014	1	289	3139.272
City of Carlsbad Well 13	32.4425	-104.241389	1994.783333	3115	22.7	3092.3	1.014	1	289	3138.962
City of Carlsbad Well 13	32.4425	-104.241389	1994.9	3115	23.25	3091.75	1.014	1	289	3138.412
City of Carlsbad Well 13	32.4425	-104.241389	1995.016667	3115	23.2	3091.8	1.014	1	289	3138.462
City of Carlsbad Well 13	32.4425	-104.241389	1994.933333	3115	23.5	3091.5	1.014	1	289	3138.162
City of Carlsbad Well 13	32.4425	-104.241389	1995.316667	3115	22.87	3092.13	1.014	1	289	3138.792
City of Carlsbad Well 13	32.4425	-104.241389	1995.166667	3115	23.43	3091.57	1.014	1	289	3138.232
City of Carlsbad Well 13	32.4425	-104.241389	1995.516667	3115	23.55	3091.45	1.014	1	289	3138.112
City of Carlsbad Well 13	32.4425	-104.241389	1995.25	3115	23.3	3091.7	1.014	1	289	3138.362
City of Carlsbad Well 13	32.4425	-104.241389	1995.466667	3115	22.54	3092.46	1.014	1	289	3139.122
City of Carlsbad Well 13	32.4425	-104.241389	1995.416667	3115	22.28	3092.72	1.014	1	289	3139.382
City of Carlsbad Well 13	32.4425	-104.241389	1995.933333	3115	22.41	3092.59	1.014	1	289	3139.252
City of Carlsbad Well 13	32.4425	-104.241389	1995.85	3115	23.28	3091.72	1.014	1	289	3138.382
City of Carlsbad Well 13	32.4425	-104.241389	1995.966667	3115	24.15	3090.85	1.014	1	289	3137.512
City of Carlsbad Well 13	32.4425	-104.241389	1995.916667	3115	24.56	3090.44	1.014	1	289	3137.102
City of Carlsbad Well 13	32.4425	-104.241389	1996	3115	23.98	3091.02	1.014	1	289	3137.682
City of Carlsbad Well 13	32.4425	-104.241389	1995.95	3115	23.73	3091.27	1.014	1	289	3137.932
City of Carlsbad Well 13	32.4425	-104.241389	1996.25	3115	23.47	3091.53	1.014	1	289	3138.192
City of Carlsbad Well 13	32.4425	-104.241389	1996.6	3115	22.71	3092.29	1.014	1	289	3138.952
City of Carlsbad Well 13	32.4425	-104.241389	1996.716667	3115	22.48	3092.52	1.014	1	289	3139.182
City of Carlsbad Well 13	32.4425	-104.241389	1996.966667	3115	23.08	3091.92	1.014	1	289	3138.582
City of Carlsbad Well 13	32.4425	-104.241389	1996.95	3115	23.71	3091.29	1.014	1	289	3137.952
City of Carlsbad Well 13	32.4425	-104.241389	1997.2	3115	23.6	3091.4	1.014	1	289	3138.062
City of Carlsbad Well 13	32.4425	-104.241389	1997.216667	3115	23.34	3091.66	1.014	1	289	3138.322
City of Carlsbad Well 13	32.4425	-104.241389	1997.3	3115	23.61	3091.39	1.014	1	289	3138.052
City of Carlsbad Well 13	32.4425	-104.241389	1997.416667	3115	22.28	3092.72	1.014	1	289	3139.382
City of Carlsbad Well 13	32.4425	-104.241389	1997.533333	3115	22.28	3092.72	1.014	1	289	3139.382
City of Carlsbad Well 13	32.4425	-104.241389	1997.583333	3115	21.81	3093.19	1.014	1	289	3139.852
City of Carlsbad Well 13	32.4425	-104.241389	1997.666667	3115	21.88	3093.12	1.014	1	289	3139.782
City of Carlsbad Well 13	32.4425	-104.241389	1997.783333	3115	21.81	3093.19	1.014	1	289	3139.852
City of Carlsbad Well 13	32.4425	-104.241389	1998.1	3115	21.55	3093.45	1.014	1	289	3140.112
City of Carlsbad Well 13	32.4425	-104.241389	1997.883333	3115	22.03	3092.97	1.014	1	289	3139.632
City of Carlsbad Well 13	32.4425	-104.241389	1998.166667	3115	22.49	3092.51	1.014	1	289	3139.172
City of Carlsbad Well 13	32.4425	-104.241389	1997.95	3115	22.78	3092.22	1.014	1	289	3138.882
City of Carlsbad Well 13	32.4425	-104.241389	1998.166667	3115	23.09	3091.91	1.014	1	289	3138.572
City of Carlsbad Well 13	32.4425	-104.241389	1998.383333	3115	23.39	3091.61	1.014	1	289	3138.272
City of Carlsbad Well 13	32.4425	-104.241389	1998.4	3115	23.12	3091.88	1.014	1	289	3138.542
City of Carlsbad Well 13	32.4425	-104.241389	1998.383333	3115	23.23	3091.77	1.014	1	289	3138.432
City of Carlsbad Well 13	32.4425	-104.241389	1998.566667	3115	22.22	3092.78	1.014	1	289	3139.442
City of Carlsbad Well 13	32.4425	-104.241389	1998.516667	3115	21.54	3093.46	1.014	1	289	3140.122
City of Carlsbad Well 13	32.4425	-104.241389	1998.966667	3115	21.77	3093.23	1.014	1	289	3139.892
City of Carlsbad Well 13	32.4425	-104.241389	1998.85	3115	22.46	3092.54	1.014	1	289	3139.202
City of Carlsbad Well 13	32.4425	-104.241389	1998.6	3115	22.84	3092.16	1.014	1	289	3138.822
City of Carlsbad Well 13	32.4425	-104.241389	1999.033333	3115	24.12	3090.88	1.014	1	289	3137.542
City of Carlsbad Well 13	32.4425	-104.241389	1999.15	3115	24.07	3090.93	1.014	1	289	3137.592
City of Carlsbad Well 13	32.4425	-104.241389	1999.016667	3115	24.16	3090.84	1.014	1	289	3137.502
City of Carlsbad Well 13	32.4425	-104.241389	1999.266667	3115	23.78	3091.22	1.014	1	289	3137.882
City of Carlsbad Well 13	32.4425	-104.241389	1998.883333	3115	23.44	3091.56	1.014	1	289	3138.222
City of Carlsbad Well 13	32.4425	-104.241389	1999.033333	3115	23.54	3091.46	1.014	1	289	3138.122

City of Carlsbad Well 13	32.4425	-104.241389	1999.116667	3115	22.49	3092.51	1.014	1	289	3139.172
City of Carlsbad Well 13	32.4425	-104.241389	1999.8	3115	22.39	3092.61	1.014	1	289	3139.272
City of Carlsbad Well 13	32.4425	-104.241389	1999.85	3115	23.01	3091.99	1.014	1	289	3138.652
City of Carlsbad Well 13	32.4425	-104.241389	1999.966667	3115	23.15	3091.85	1.014	1	289	3138.512
City of Carlsbad Well 13	32.4425	-104.241389	2000.016667	3115	22.97	3092.03	1.014	1	289	3138.692
City of Carlsbad Well 13	32.4425	-104.241389	2000.5	3115	23.27	3091.73	1.014	1	289	3138.392
City of Carlsbad Well 13	32.4425	-104.241389	2000.033333	3115	23.1	3091.9	1.014	1	289	3138.562
City of Carlsbad Well 13	32.4425	-104.241389	2000.016667	3115	22.54	3092.46	1.014	1	289	3139.122
City of Carlsbad Well 13	32.4425	-104.241389	2000.2	3115	22.68	3092.32	1.014	1	289	3138.982
City of Carlsbad Well 13	32.4425	-104.241389	2000.45	3115	22.72	3092.28	1.014	1	289	3138.942
City of Carlsbad Well 13	32.4425	-104.241389	2000.5	3115	22.95	3092.05	1.014	1	289	3138.712
City of Carlsbad Well 13	32.4425	-104.241389	2000.583333	3115	23.32	3091.68	1.014	1	289	3138.342
City of Carlsbad Well 13	32.4425	-104.241389	2000.583333	3115	23.32	3091.68	1.014	1	289	3138.342
City of Carlsbad Well 13	32.4425	-104.241389	2000.666667	3115	23.37	3091.63	1.014	1	289	3138.292
City of Carlsbad Well 13	32.4425	-104.241389	2000.516667	3115	23.52	3091.48	1.014	1	289	3138.142
City of Carlsbad Well 13	32.4425	-104.241389	2000.766667	3115	23.69	3091.31	1.014	1	289	3137.972
City of Carlsbad Well 13	32.4425	-104.241389	2001.05	3115	23.61	3091.39	1.014	1	289	3138.052
City of Carlsbad Well 13	32.4425	-104.241389	2001.033333	3115	23.79	3091.21	1.014	1	289	3137.872
City of Carlsbad Well 13	32.4425	-104.241389	2000.95	3115	23.9	3091.1	1.014	1	289	3137.762
City of Carlsbad Well 13	32.4425	-104.241389	2001.5	3115	22.99	3092.01	1.014	1	289	3138.672
City of Carlsbad Well 13	32.4425	-104.241389	2001.416667	3115	22.36	3092.64	1.014	1	289	3139.302
City of Carlsbad Well 13	32.4425	-104.241389	2001.4	3115	22.39	3092.61	1.014	1	289	3139.272
City of Carlsbad Well 13	32.4425	-104.241389	2001.616667	3115	22.22	3092.78	1.014	1	289	3139.442
City of Carlsbad Well 13	32.4425	-104.241389	2001.866667	3115	23.06	3091.94	1.014	1	289	3138.602
City of Carlsbad Well 13	32.4425	-104.241389	2002.15	3115	23.24	3091.76	1.014	1	289	3138.422
City of Carlsbad Well 13	32.4425	-104.241389	2002.166667	3115	23.77	3091.23	1.014	1	289	3137.892
City of Carlsbad Well 13	32.4425	-104.241389	2002.416667	3115	23.71	3091.29	1.014	1	289	3137.952
City of Carlsbad Well 13	32.4425	-104.241389	2002.4	3115	23.85	3091.15	1.014	1	289	3137.812
City of Carlsbad Well 13	32.4425	-104.241389	2002.45	3115	24.11	3090.89	1.014	1	289	3137.552
City of Carlsbad Well 13	32.4425	-104.241389	2001.866667	3115	23.95	3091.05	1.014	1	289	3137.712
City of Carlsbad Well 13	32.4425	-104.241389	2001.866667	3115	23.95	3091.05	1.014	1	289	3137.712
City of Carlsbad Well 13	32.4425	-104.241389	2002.55	3115	23.24	3091.76	1.014	1	289	3138.422
City of Carlsbad Well 13	32.4425	-104.241389	2002.233333	3115	22.97	3092.03	1.014	1	289	3138.692
City of Carlsbad Well 13	32.4425	-104.241389	2002.883333	3115	22.95	3092.05	1.014	1	289	3138.712
City of Carlsbad Well 13	32.4425	-104.241389	2003.066667	3115	22.63	3092.37	1.014	1	289	3139.032
City of Carlsbad Well 13	32.4425	-104.241389	2003.116667	3115	22.77	3092.23	1.014	1	289	3138.892
City of Carlsbad Well 13	32.4425	-104.241389	2003.133333	3115	23.42	3091.58	1.014	1	289	3138.242
City of Carlsbad Well 13	32.4425	-104.241389	2003.383333	3115	23.7	3091.3	1.014	1	289	3137.962
City of Carlsbad Well 13	32.4425	-104.241389	2003.366667	3115	24.03	3090.97	1.014	1	289	3137.632
City of Carlsbad Well 13	32.4425	-104.241389	2003.383333	3115	23.51	3091.49	1.014	1	289	3138.152
City of Carlsbad Well 13	32.4425	-104.241389	2003.566667	3115	23.84	3091.16	1.014	1	289	3137.822
City of Carlsbad Well 13	32.4425	-104.241389	2003.55	3115	23.7	3091.3	1.014	1	289	3137.962
City of Carlsbad Well 13	32.4425	-104.241389	2002.9	3115	23.75	3091.25	1.014	1	289	3137.912
City of Carlsbad Well 13	32.4425	-104.241389	2003.083333	3115	22.94	3092.06	1.014	1	289	3138.722
City of Carlsbad Well 13	32.4425	-104.241389	2003.433333	3115	22.24	3092.76	1.014	1	289	3139.422
City of Carlsbad Well 13	32.4425	-104.241389	2003.55	3115	22.4	3092.6	1.014	1	289	3139.262
City of Carlsbad Well 13	32.4425	-104.241389	2003.6	3115	23.46	3091.54	1.014	1	289	3138.202
City of Carlsbad Well 13	32.4425	-104.241389	2003.583333	3115	24.44	3090.56	1.014	1	289	3137.222
City of Carlsbad Well 13	32.4425	-104.241389	2003.9	3115	24.76	3090.24	1.014	1	289	3136.902
City of Carlsbad Well 13	32.4425	-104.241389	2004.316667	3115	24.68	3090.32	1.014	1	289	3136.982
City of Carlsbad Well 13	32.4425	-104.241389	2004.133333	3115	24.93	3090.07	1.014	1	289	3136.732
City of Carlsbad Well 13	32.4425	-104.241389	2004.35	3115	25.38	3089.62	1.014	1	289	3136.282
City of Carlsbad Well 13	32.4425	-104.241389	2004.333333	3115	25.37	3089.63	1.014	1	289	3136.292
City of Carlsbad Well 13	32.4425	-104.241389	2004.55	3115	25.2	3089.8	1.014	1	289	3136.462
City of Carlsbad Well 13	32.4425	-104.241389	2004.8	3115	23.84	3091.16	1.014	1	289	3137.822
City of Carlsbad Well 13	32.4425	-104.241389	2004.583333	3115	23.59	3091.41	1.014	1	289	3138.072
City of Carlsbad Well 13	32.4425	-104.241389	2004.566667	3115	23.32	3091.68	1.014	1	289	3138.342
City of Carlsbad Well 13	32.4425	-104.241389	2005.083333	3115	23.13	3091.87	1.014	1	289	3138.532
City of Carlsbad Well 13	32.4425	-104.241389	2005	3115	23.12	3091.88	1.014	1	289	3138.542
City of Carlsbad Well 13	32.4425	-104.241389	2005.216667	3115	23.12	3091.88	1.014	1	289	3138.542
City of Carlsbad Well 13	32.4425	-104.241389	2005.333333	3115	22.02	3092.98	1.014	1	289	3139.642
City of Carlsbad Well 13	32.4425	-104.241389	2005.316667	3115	22.3	3092.7	1.014	1	289	3139.362
City of Carlsbad Well 13	32.4425	-104.241389	2005.333333	3115	22.53	3092.47	1.014	1	289	3139.132
City of Carlsbad Well 13	32.4425	-104.241389	2005.316667	3115	22.6	3092.4	1.014	1	289	3139.062
City of Carlsbad Well 13	32.4425	-104.241389	2005.666667	3115	21.6	3093.4	1.014	1	289	3140.062
City of Carlsbad Well 13	32.4425	-104.241389	2005.266667	3115	20.56	3094.44	1.014	1	289	3141.102
City of Carlsbad Well 13	32.4425	-104.241389	2005.066667	3115	19.77	3095.23	1.014	1	289	3141.892
City of Carlsbad Well 13	32.4425	-104.241389	2005.4	3115	20.37	3094.63	1.014	1	289	3141.292
City of Carlsbad Well 13	32.4425	-104.241389	2005.933333	3115	19.61	3095.39	1.014	1	289	3142.052

City of Carlsbad Well 13	32.4425	-104.241389	2005.966667	3115	20.92	3094.08	1.014	1	289	3140.742
City of Carlsbad Well 13	32.4425	-104.241389	2006	3115	21.62	3093.38	1.014	1	289	3140.042
City of Carlsbad Well 13	32.4425	-104.241389	2006	3115	21.24	3093.76	1.014	1	289	3140.422
City of Carlsbad Well 13	32.4425	-104.241389	2006.066667	3115	20.64	3094.36	1.014	1	289	3141.022
City of Carlsbad Well 13	32.4425	-104.241389	2006.5	3115	22	3093	1.014	1	289	3139.662
City of Carlsbad Well 13	32.4425	-104.241389	2006.7	3115	22.24	3092.76	1.014	1	289	3139.422
City of Carlsbad Well 13	32.4425	-104.241389	2007.5	3115	22.73	3092.27	1.014	1	289	3138.932
City of Carlsbad Well 13	32.4425	-104.241389	2006.9	3115	22.73	3092.27	1.014	1	289	3138.932
City of Carlsbad Well 13	32.4425	-104.241389	2006.933333	3115	21.77	3093.23	1.014	1	289	3139.892
City of Carlsbad Well 13	32.4425	-104.241389	2007.033333	3115	21.44	3093.56	1.014	1	289	3140.222
City of Carlsbad Well 13	32.4425	-104.241389	2007.2	3115	21.49	3093.51	1.014	1	289	3140.172
City of Carlsbad Well 13	32.4425	-104.241389	2007.633333	3115	21.68	3093.32	1.014	1	289	3139.982
City of Carlsbad Well 13	32.4425	-104.241389	2007.533333	3115	21.39	3093.61	1.014	1	289	3140.272
City of Carlsbad Well 13	32.4425	-104.241389	2007.733333	3115	20.88	3094.12	1.014	1	289	3140.782
City of Carlsbad Well 13	32.4425	-104.241389	2007.9	3115	21.36	3093.64	1.014	1	289	3140.302
City of Carlsbad Well 13	32.4425	-104.241389	2008.333333	3115	21.24	3093.76	1.014	1	289	3140.422
City of Carlsbad Well 13	32.4425	-104.241389	2008.133333	3115	21.12	3093.88	1.014	1	289	3140.542
City of Carlsbad Well 13	32.4425	-104.241389	2008.6	3115	22.44	3092.56	1.014	1	289	3139.222
City of Carlsbad Well 13	32.4425	-104.241389	2008.566667	3115	22.36	3092.64	1.014	1	289	3139.302
City of Carlsbad Well 13	32.4425	-104.241389	2008.8	3115	23.16	3091.84	1.014	1	289	3138.502
City of Carlsbad Well 13	32.4425	-104.241389	2009.5	3115	22.77	3092.23	1.014	1	289	3138.892
City of Carlsbad Well 13	32.4425	-104.241389	2008.933333	3115	22.67	3092.33	1.014	1	289	3138.992
City of Carlsbad Well 13	32.4425	-104.241389	2009.033333	3115	22.18	3092.82	1.014	1	289	3139.482
City of Carlsbad Well 13	32.4425	-104.241389	2009.966667	3115	21.84	3093.16	1.014	1	289	3139.822
City of Carlsbad Well 13	32.4425	-104.241389	2009.4	3115	22.36	3092.64	1.014	1	289	3139.302
City of Carlsbad Well 13	32.4425	-104.241389	2009.866667	3115	23.44	3091.56	1.014	1	289	3138.222
City of Carlsbad Well 13	32.4425	-104.241389	2010.1	3115	23.04	3091.96	1.014	1	289	3138.622
City of Carlsbad Well 13	32.4425	-104.241389	2009.866667	3115	22.79	3092.21	1.014	1	289	3138.872
City of Carlsbad Well 13	32.4425	-104.241389	2010.1	3115	22.34	3092.66	1.014	1	289	3139.322
City of Carlsbad Well 13	32.4425	-104.241389	2010.333333	3115	22.58	3092.42	1.014	1	289	3139.082
City of Carlsbad Well 13	32.4425	-104.241389	2010.8	3115	22.25	3092.75	1.014	1	289	3139.412
City of Carlsbad Well 13	32.4425	-104.241389	2010.733333	3115	23.21	3091.79	1.014	1	289	3138.452
City of Carlsbad Well 13	32.4425	-104.241389	2010.866667	3115	21.93	3093.07	1.014	1	289	3139.732
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1966.70386	3280	193.37061	3086.62939	1.018	1.02	990	3143.781978
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1966.74951	3280	193.13159	3086.86841	1.018	1.02	990	3144.025778
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1966.78357	3280	193.34668	3086.65332	1.018	1.02	990	3143.806386
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1966.7937	3280	196.26318	3083.73682	1.018	1.02	990	3140.831556
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1966.83936	3280	195.95239	3084.04761	1.018	1.02	990	3141.148562
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1966.89624	3280	195.95264	3084.04736	1.018	1.02	990	3141.148307
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1966.94153	3280	196.52637	3083.47363	1.018	1.02	990	3140.563103
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1966.99841	3280	196.76562	3083.23438	1.018	1.02	990	3140.319068
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.05566	3280	196.21582	3083.78418	1.018	1.02	990	3140.879864
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.11267	3280	195.85742	3084.14258	1.018	1.02	990	3141.245432
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.1582	3280	196.00098	3083.99902	1.018	1.02	990	3141.099
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.21497	3280	196.50293	3083.49707	1.018	1.02	990	3140.587011
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.26025	3280	196.8855	3083.1145	1.018	1.02	990	3140.19679
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.31702	3280	197.31592	3082.68408	1.018	1.02	990	3139.757762
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.3623	3280	198.08105	3081.91895	1.018	1.02	990	3138.977329
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.40784	3280	198.00928	3081.99072	1.018	1.02	990	3139.050534
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.44189	3280	198.4397	3081.5603	1.018	1.02	990	3138.611506
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.51062	3280	197.50757	3082.49243	1.018	1.02	990	3139.562279
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.56738	3280	197.98584	3082.01416	1.018	1.02	990	3139.074443
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.59009	3280	198.10522	3081.89478	1.018	1.02	990	3138.952676
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.6582	3280	198.44019	3081.55981	1.018	1.02	990	3138.611006
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.70386	3280	198.2251	3081.7749	1.018	1.02	990	3138.830398
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.73816	3280	197.89038	3082.10962	1.018	1.02	990	3139.171812
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.80664	3280	197.67554	3082.32446	1.018	1.02	990	3139.390949
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.8866	3280	197.24536	3082.75464	1.018	1.02	990	3139.829733
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.92078	3280	197.17358	3082.82642	1.018	1.02	990	3139.902948
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1967.97766	3280	197.34106	3082.65894	1.018	1.02	990	3139.732119
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.01196	3280	196.98267	3083.01733	1.018	1.02	990	3140.097677
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.12598	3280	196.69604	3083.30396	1.018	1.02	990	3140.390039
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.16028	3280	196.45703	3083.54297	1.018	1.02	990	3140.633829
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.21704	3280	196.67236	3083.32764	1.018	1.02	990	3140.414193
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.28516	3280	197.27002	3082.72998	1.018	1.02	990	3139.80458
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.33044	3280	197.86768	3082.13232	1.018	1.02	990	3139.194966
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.38745	3280	197.67651	3082.32349	1.018	1.02	990	3139.38996
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.43274	3280	198.32202	3081.67798	1.018	1.02	990	3138.73154
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.51221	3280	198.87207	3081.12793	1.018	1.02	990	3138.170489

US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.54675	3280	197.93994	3082.06006	1.018	1.02	990	3139.121261
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.6377	3280	198.51367	3081.48633	1.018	1.02	990	3138.536057
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.68347	3280	197.79663	3082.20337	1.018	1.02	990	3139.267437
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.74036	3280	197.96411	3082.03589	1.018	1.02	990	3139.096608
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.82019	3280	197.84473	3082.15527	1.018	1.02	990	3139.218375
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.92273	3280	197.72534	3082.27466	1.018	1.02	990	3139.340153
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1968.96826	3280	197.82104	3082.17896	1.018	1.02	990	3139.242539
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.0481	3280	197.53442	3082.46558	1.018	1.02	990	3139.534892
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.11633	3280	197.72583	3082.27417	1.018	1.02	990	3139.339653
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.17334	3280	197.67822	3082.32178	1.018	1.02	990	3139.388216
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.32117	3280	198.20435	3081.79565	1.018	1.02	990	3138.851563
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.38904	3280	199.11279	3080.88721	1.018	1.02	990	3137.924954
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.4801	3280	199.18481	3080.81519	1.018	1.02	990	3137.851494
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.53699	3280	199.47168	3080.52832	1.018	1.02	990	3137.558886
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.55969	3280	199.61523	3080.38477	1.018	1.02	990	3137.412465
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.60535	3280	199.35229	3080.64771	1.018	1.02	990	3137.680664
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.65076	3280	199.75879	3080.24121	1.018	1.02	990	3137.266034
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.75378	3280	198.44409	3081.55591	1.018	1.02	990	3138.607028
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.85681	3280	197.39258	3082.60742	1.018	1.02	990	3139.679568
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.86865	3280	196.22144	3083.77856	1.018	1.02	990	3140.874131
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1969.99451	3280	194.95459	3085.04541	1.018	1.02	990	3142.166318
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.02881	3280	194.62012	3085.37988	1.018	1.02	990	3142.507478
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.08582	3280	194.47681	3085.52319	1.018	1.02	990	3142.653654
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.15417	3280	194.54858	3085.45142	1.018	1.02	990	3142.580448
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.19983	3280	194.07056	3085.92944	1.018	1.02	990	3143.068029
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.29065	3280	194.95532	3085.04468	1.018	1.02	990	3142.165574
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.38123	3280	196.00708	3083.99292	1.018	1.02	990	3141.092778
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.47192	3280	196.96362	3083.03638	1.018	1.02	990	3140.117108
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.50574	3280	197.77637	3082.22363	1.018	1.02	990	3139.288103
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.56287	3280	197.29834	3082.70166	1.018	1.02	990	3139.775693
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.60815	3280	197.94385	3082.05615	1.018	1.02	990	3139.117273
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.68774	3280	198.23096	3081.76904	1.018	1.02	990	3138.824421
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.71045	3280	198.35034	3081.64966	1.018	1.02	990	3138.702653
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.7677	3280	197.729	3082.271	1.018	1.02	990	3139.33642
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.80212	3280	197.13159	3082.86841	1.018	1.02	990	3139.945778
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.83643	3280	196.89258	3083.10742	1.018	1.02	990	3140.189568
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.91614	3280	197.03613	3082.96387	1.018	1.02	990	3140.043147
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1970.97314	3280	196.82104	3083.17896	1.018	1.02	990	3140.262539
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.08704	3280	196.70166	3083.29834	1.018	1.02	990	3140.384307
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.09851	3280	196.53442	3083.46558	1.018	1.02	990	3140.554892
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.16687	3280	196.43896	3083.56104	1.018	1.02	990	3140.652261
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.20093	3280	196.63037	3083.36963	1.018	1.02	990	3140.457023
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.28052	3280	197.15625	3082.84375	1.018	1.02	990	3139.920625
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.32581	3280	197.6106	3082.3894	1.018	1.02	990	3139.457188
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.37109	3280	198.13647	3081.86353	1.018	1.02	990	3138.920801
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.43933	3280	198.54321	3081.45679	1.018	1.02	990	3138.505926
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.49597	3280	199.04517	3080.95483	1.018	1.02	990	3137.993927
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.55273	3280	199.59521	3080.40479	1.018	1.02	990	3137.432886
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.60938	3280	200.14502	3079.85498	1.018	1.02	990	3136.87208
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.64404	3280	199.18896	3080.81104	1.018	1.02	990	3137.847261
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.70117	3280	198.59131	3081.40869	1.018	1.02	990	3138.456864
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.76941	3280	198.90234	3081.09766	1.018	1.02	990	3138.139613
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.83801	3280	198.20923	3081.79077	1.018	1.02	990	3138.846585
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1971.99756	3280	198.18555	3081.81445	1.018	1.02	990	3138.870739
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.03186	3280	197.85107	3082.14893	1.018	1.02	990	3139.211909
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.12305	3280	197.68384	3082.31616	1.018	1.02	990	3139.382483
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.20276	3280	197.73193	3082.26807	1.018	1.02	990	3139.333431
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.23669	3280	198.13818	3081.86182	1.018	1.02	990	3138.919056
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.28198	3280	198.75977	3081.24023	1.018	1.02	990	3138.285035
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.31592	3280	199.40527	3080.59473	1.018	1.02	990	3137.626625
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.3501	3280	199.30981	3080.69019	1.018	1.02	990	3137.723994
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.3728	3280	199.40552	3080.59448	1.018	1.02	990	3137.62637
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.45264	3280	199.28613	3080.71387	1.018	1.02	990	3137.748147
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.48657	3280	199.69263	3080.30737	1.018	1.02	990	3137.333517
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.52112	3280	198.92773	3081.07227	1.018	1.02	990	3138.113715
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.61194	3280	199.50146	3080.49854	1.018	1.02	990	3137.528511
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.63452	3280	200.00366	3079.99634	1.018	1.02	990	3137.016267
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.69153	3280	199.93188	3080.06812	1.018	1.02	990	3137.089482
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.7373	3280	199.21484	3080.78516	1.018	1.02	990	3137.820863

US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.74927	3280	197.87622	3082.12378	1.018	1.02	990	3139.186256
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.74976	3280	197.01587	3082.98413	1.018	1.02	990	3140.063813
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.79565	3280	196.10742	3083.89258	1.018	1.02	990	3140.990432
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.84094	3280	196.75293	3083.24707	1.018	1.02	990	3140.332011
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1972.94348	3280	196.60986	3083.39014	1.018	1.02	990	3140.477943
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.01184	3280	196.51416	3083.48584	1.018	1.02	990	3140.575557
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.0802	3280	196.37109	3083.62891	1.018	1.02	990	3140.721488
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.12634	3280	195.15186	3084.84814	1.018	1.02	990	3141.965103
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.19495	3280	194.43506	3085.56494	1.018	1.02	990	3142.696239
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.2749	3280	193.90918	3086.09082	1.018	1.02	990	3143.232636
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.33142	3280	194.96118	3085.03882	1.018	1.02	990	3142.159596
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.39917	3280	196.27588	3083.72412	1.018	1.02	990	3140.818602
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.45654	3280	195.2959	3084.7041	1.018	1.02	990	3141.818182
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.57007	3280	196.06128	3083.93872	1.018	1.02	990	3141.037494
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.64966	3280	196.56323	3083.43677	1.018	1.02	990	3140.525505
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.6947	3280	197.63916	3082.36084	1.018	1.02	990	3139.428057
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.76306	3280	197.49585	3082.50415	1.018	1.02	990	3139.574233
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.78601	3280	197.28076	3082.71924	1.018	1.02	990	3139.793625
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.85425	3280	197.37646	3082.62354	1.018	1.02	990	3139.696011
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.85413	3280	197.71118	3082.28882	1.018	1.02	990	3139.354596
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1973.92249	3280	197.56787	3082.43213	1.018	1.02	990	3139.500773
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.04773	3280	197.63989	3082.36011	1.018	1.02	990	3139.427312
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.10461	3280	197.80713	3082.19287	1.018	1.02	990	3139.256727
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.15027	3280	197.61621	3082.38379	1.018	1.02	990	3139.451466
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.21838	3280	198.23779	3081.76221	1.018	1.02	990	3138.817454
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.29797	3280	198.45312	3081.54688	1.018	1.02	990	3138.597818
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.32043	3280	199.02686	3080.97314	1.018	1.02	990	3138.012603
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.38879	3280	199.02686	3080.97314	1.018	1.02	990	3138.012603
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.46826	3280	199.67261	3080.32739	1.018	1.02	990	3137.353938
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.51367	3280	199.95947	3080.04053	1.018	1.02	990	3137.061341
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.51355	3280	200.22241	3079.77759	1.018	1.02	990	3136.793142
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.53625	3280	200.50928	3079.49072	1.018	1.02	990	3136.500534
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.58179	3280	200.41382	3079.58618	1.018	1.02	990	3136.597904
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.60449	3280	200.67676	3079.32324	1.018	1.02	990	3136.329705
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.63855	3280	200.84424	3079.15576	1.018	1.02	990	3136.158875
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.70691	3280	200.86816	3079.13184	1.018	1.02	990	3136.134477
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.74121	3280	200.48584	3079.51416	1.018	1.02	990	3136.524443
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.76416	3280	200.03174	3079.96826	1.018	1.02	990	3136.987625
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.78711	3280	199.81665	3080.18335	1.018	1.02	990	3137.207017
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.82141	3280	199.52979	3080.47021	1.018	1.02	990	3137.499614
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.83374	3280	197.28271	3082.71729	1.018	1.02	990	3139.791636
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.85754	3280	194.98804	3085.01196	1.018	1.02	990	3142.132199
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.89233	3280	193.67334	3086.32666	1.018	1.02	990	3143.473193
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.927	3280	192.45435	3087.54565	1.018	1.02	990	3144.716563
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1974.99536	3280	192.35889	3087.64111	1.018	1.02	990	3144.813932
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.01807	3280	192.45435	3087.54565	1.018	1.02	990	3144.716563
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.06384	3280	192.09595	3087.90405	1.018	1.02	990	3145.082131
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.0979	3280	192.26343	3087.73657	1.018	1.02	990	3144.911301
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.14343	3280	192.43066	3087.56934	1.018	1.02	990	3144.740727
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.21191	3280	191.85718	3088.14282	1.018	1.02	990	3145.325676
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.24609	3280	192.04858	3087.95142	1.018	1.02	990	3145.130448
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.32544	3280	192.93311	3087.06689	1.018	1.02	990	3144.228228
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.44995	3280	194.65454	3085.34546	1.018	1.02	990	3142.472369
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.57422	3280	196.92554	3083.07446	1.018	1.02	990	3140.155949
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.60852	3280	196.49536	3083.50464	1.018	1.02	990	3140.594733
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.66553	3280	196.35205	3083.64795	1.018	1.02	990	3140.740909
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.74487	3280	197.23682	3082.76318	1.018	1.02	990	3139.838444
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.81335	3280	196.92603	3083.07397	1.018	1.02	990	3140.155449
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.87012	3280	197.26099	3082.73901	1.018	1.02	990	3139.81379
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.9386	3280	196.92627	3083.07373	1.018	1.02	990	3140.155205
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1975.98413	3280	196.99805	3083.00195	1.018	1.02	990	3140.081989
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.08679	3280	196.66357	3083.33643	1.018	1.02	990	3140.423159
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.15515	3280	196.68774	3083.31226	1.018	1.02	990	3140.398505
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.18933	3280	196.71167	3083.28833	1.018	1.02	990	3140.374097
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.25745	3280	197.02246	3082.97754	1.018	1.02	990	3140.057091
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.33691	3280	197.62036	3082.37964	1.018	1.02	990	3139.447233
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.41663	3280	197.69214	3082.30786	1.018	1.02	990	3139.374017
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.43933	3280	197.85962	3082.14038	1.018	1.02	990	3139.203188
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.47363	3280	197.54883	3082.45117	1.018	1.02	990	3139.520193

US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.58667	3280	199.55713	3080.44287	1.018	1.02	990	3137.471727
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.66663	3280	198.93579	3081.06421	1.018	1.02	990	3138.105494
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.70068	3280	199.05542	3080.94458	1.018	1.02	990	3137.983472
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.8949	3280	197.71704	3082.28296	1.018	1.02	990	3139.348619
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1976.98608	3280	197.71729	3082.28271	1.018	1.02	990	3139.348364
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1977.03174	3280	197.40649	3082.59351	1.018	1.02	990	3139.66538
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1977.12292	3280	197.31104	3082.68896	1.018	1.02	990	3139.762739
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1978.10229	3280	197.33691	3082.66309	1.018	1.02	990	3139.736352
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1978.99121	3280	196.14331	3083.85669	1.018	1.02	990	3140.953824
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	1978	3280	196.18	3083.82	1.018	1.02	990	3140.9164
US Government, North Cedar Hills Unit 1	32.509838	-104.214386	2003.6667	3280	182.6	3097.4	1.018	1.02	990	3154.768
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.00586	3230	228.43799	3001.56201	1.018	1.032	1538	3073.923994
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.05261	3230	225.7124	3004.2876	1.018	1.032	1538	3076.736803
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.09937	3230	225.7124	3004.2876	1.018	1.032	1538	3076.736803
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.19873	3230	225.23145	3004.76855	1.018	1.032	1538	3077.233144
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.25134	3230	225.7124	3004.2876	1.018	1.032	1538	3076.736803
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.35645	3230	222.98706	3007.01294	1.018	1.032	1538	3079.549354
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.4032	3230	223.46802	3006.53198	1.018	1.032	1538	3079.053003
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.42078	3230	222.66626	3007.33374	1.018	1.032	1538	3079.88042
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.46753	3230	222.82666	3007.17334	1.018	1.032	1538	3079.714887
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.54932	3230	220.58228	3009.41772	1.018	1.032	1538	3082.031087
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.60779	3230	218.6582	3011.3418	1.018	1.032	1538	3084.016738
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.64282	3230	215.4519	3014.5481	1.018	1.032	1538	3087.325639
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.67798	3230	215.2915	3014.7085	1.018	1.032	1538	3087.491172
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.70129	3230	213.52808	3016.47192	1.018	1.032	1538	3089.311021
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.73633	3230	213.52808	3016.47192	1.018	1.032	1538	3089.311021
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.80652	3230	209.68042	3020.31958	1.018	1.032	1538	3093.281807
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.85327	3230	209.19946	3020.80054	1.018	1.032	1538	3093.778157
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.90588	3230	206.47388	3023.52612	1.018	1.032	1538	3096.590956
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.93506	3230	206.79468	3023.20532	1.018	1.032	1538	3096.25989
State of New Mexico, Humble State 1	32.460119	-104.167103	1969.96423	3230	204.22949	3025.77051	1.018	1.032	1538	3098.907166
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.0636	3230	202.94678	3027.05322	1.018	1.032	1538	3100.230923
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.12207	3230	202.14526	3027.85474	1.018	1.032	1538	3101.058092
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.16882	3230	201.50391	3028.49609	1.018	1.032	1538	3101.719965
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.21558	3230	201.50391	3028.49609	1.018	1.032	1538	3101.719965
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.27991	3230	202.30566	3027.69434	1.018	1.032	1538	3100.892559
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.36755	3230	202.94678	3027.05322	1.018	1.032	1538	3100.230923
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.44934	3230	203.42773	3026.57227	1.018	1.032	1538	3099.734583
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.50195	3230	204.55005	3025.44995	1.018	1.032	1538	3098.576348
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.56042	3230	204.55005	3025.44995	1.018	1.032	1538	3098.576348
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.62463	3230	205.83276	3024.16724	1.018	1.032	1538	3097.252592
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.70068	3230	201.34375	3028.65625	1.018	1.032	1538	3101.88525
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.80005	3230	195.89282	3034.10718	1.018	1.032	1538	3107.51061
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.88184	3230	187.23535	3042.76465	1.018	1.032	1538	3116.445119
State of New Mexico, Humble State 1	32.460119	-104.167103	1970.95776	3230	185.31152	3044.68848	1.018	1.032	1538	3118.430511
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.00452	3230	182.58618	3047.41382	1.018	1.032	1538	3121.243062
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.05127	3230	180.3418	3049.6582	1.018	1.032	1538	3123.559262
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.0863	3230	179.86084	3050.13916	1.018	1.032	1538	3124.055613
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.12732	3230	178.09717	3051.90283	1.018	1.032	1538	3125.875721
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.17407	3230	177.13525	3052.86475	1.018	1.032	1538	3126.868422
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.20911	3230	176.4939	3053.5061	1.018	1.032	1538	3127.530295
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.25	3230	177.45581	3052.54419	1.018	1.032	1538	3126.537604
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.30261	3230	177.93677	3052.06323	1.018	1.032	1538	3126.041253
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.32019	3230	178.73853	3051.26147	1.018	1.032	1538	3125.213837
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.37268	3230	181.46387	3048.53613	1.018	1.032	1538	3122.401286
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.42529	3230	183.3877	3046.6123	1.018	1.032	1538	3120.415894
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.47791	3230	186.11328	3043.88672	1.018	1.032	1538	3117.603095
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.58899	3230	187.39575	3042.60425	1.018	1.032	1538	3116.279586
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.65906	3230	188.67847	3041.32153	1.018	1.032	1538	3114.955819
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.7467	3230	187.0752	3042.9248	1.018	1.032	1538	3116.610394
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.82861	3230	185.31152	3044.68848	1.018	1.032	1538	3118.430511
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.89282	3230	185.31152	3044.68848	1.018	1.032	1538	3118.430511
State of New Mexico, Humble State 1	32.460119	-104.167103	1971.95715	3230	183.5481	3046.4519	1.018	1.032	1538	3120.250361
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.01562	3230	183.3877	3046.6123	1.018	1.032	1538	3120.415894
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.07983	3230	181.46387	3048.53613	1.018	1.032	1538	3122.401286
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.1792	3230	181.14331	3048.85669	1.018	1.032	1538	3122.732104
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.24353	3230	182.10522	3047.89478	1.018	1.032	1538	3121.739413
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.29028	3230	181.46387	3048.53613	1.018	1.032	1538	3122.401286
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.33118	3230	185.31152	3044.68848	1.018	1.032	1538	3118.430511

State of New Mexico, Humble State 1	32.460119	-104.167103	1972.38379	3230	189.15942	3040.84058	1.018	1.032	1538	3114.459479
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.48901	3230	194.28955	3035.71045	1.018	1.032	1538	3109.165184
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.51819	3230	190.60229	3039.39771	1.018	1.032	1538	3112.970437
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.55908	3230	192.68628	3037.31372	1.018	1.032	1538	3110.819759
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.69348	3230	188.83862	3041.16138	1.018	1.032	1538	3114.790544
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.79285	3230	187.0752	3042.9248	1.018	1.032	1538	3116.610394
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.84546	3230	186.27344	3043.72656	1.018	1.032	1538	3117.43781
State of New Mexico, Humble State 1	32.460119	-104.167103	1972.93896	3230	184.34961	3045.65039	1.018	1.032	1538	3119.423202
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.0033	3230	197.81665	3032.18335	1.018	1.032	1538	3105.525217
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.05005	3230	184.67041	3045.32959	1.018	1.032	1538	3119.092137
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.13184	3230	182.58618	3047.41382	1.018	1.032	1538	3121.243062
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.16687	3230	180.50195	3049.49805	1.018	1.032	1538	3123.393988
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.17273	3230	182.10522	3047.89478	1.018	1.032	1538	3121.739413
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.24866	3230	183.5481	3046.4519	1.018	1.032	1538	3120.250361
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.31299	3230	185.47192	3044.52808	1.018	1.032	1538	3118.264979
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.40063	3230	187.0752	3042.9248	1.018	1.032	1538	3116.610394
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.5	3230	187.23535	3042.76465	1.018	1.032	1538	3116.445119
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.61694	3230	189.47998	3040.52002	1.018	1.032	1538	3114.128661
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.67529	3230	189.47998	3040.52002	1.018	1.032	1538	3114.128661
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.72205	3230	186.27344	3043.72656	1.018	1.032	1538	3117.43781
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.76294	3230	179.37964	3050.62036	1.018	1.032	1538	3124.552212
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.82727	3230	177.13525	3052.86475	1.018	1.032	1538	3126.868422
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.88574	3230	176.17334	3053.82666	1.018	1.032	1538	3127.861113
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.9325	3230	174.89087	3055.10913	1.018	1.032	1538	3129.184622
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.96753	3230	175.37183	3054.62817	1.018	1.032	1538	3128.688271
State of New Mexico, Humble State 1	32.460119	-104.167103	1973.9967	3230	173.448	3056.552	1.018	1.032	1538	3130.673664
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.03772	3230	173.2876	3056.7124	1.018	1.032	1538	3130.839197
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.08447	3230	169.9209	3060.0791	1.018	1.032	1538	3134.313631
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.13696	3230	168.79858	3061.20142	1.018	1.032	1538	3135.471865
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.20129	3230	163.0271	3066.9729	1.018	1.032	1538	3141.428033
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.24805	3230	161.74438	3068.25562	1.018	1.032	1538	3142.7518
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.31238	3230	162.8667	3067.1333	1.018	1.032	1538	3141.593566
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.35913	3230	165.27148	3064.72852	1.018	1.032	1538	3139.111833
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.38245	3230	167.67627	3062.32373	1.018	1.032	1538	3136.630089
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.41748	3230	165.43188	3064.56812	1.018	1.032	1538	3138.9463
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.47595	3230	165.75244	3064.24756	1.018	1.032	1538	3138.615482
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.49353	3230	166.71436	3063.28564	1.018	1.032	1538	3137.62278
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.51099	3230	165.75244	3064.24756	1.018	1.032	1538	3138.615482
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.5636	3230	167.67627	3062.32373	1.018	1.032	1538	3136.630089
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.60449	3230	168.63818	3061.36182	1.018	1.032	1538	3135.637398
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.65125	3230	170.08105	3059.91895	1.018	1.032	1538	3134.148356
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.72729	3230	172.48608	3057.51392	1.018	1.032	1538	3131.666365
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.86169	3230	172.96704	3057.03296	1.018	1.032	1538	3131.170015
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.92017	3230	173.2876	3056.7124	1.018	1.032	1538	3130.839197
State of New Mexico, Humble State 1	32.460119	-104.167103	1974.93762	3230	174.08911	3055.91089	1.018	1.032	1538	3130.012038
State of New Mexico, Humble State 1	32.460119	-104.167103	1975.04871	3230	173.92896	3056.07104	1.018	1.032	1538	3130.177313
State of New Mexico, Humble State 1	32.460119	-104.167103	1975.10132	3230	174.40991	3055.59009	1.018	1.032	1538	3129.680973
State of New Mexico, Humble State 1	32.460119	-104.167103	1975.17725	3230	174.89087	3055.10913	1.018	1.032	1538	3129.184622
State of New Mexico, Humble State 1	32.460119	-104.167103	1975.24158	3230	176.33374	3053.66626	1.018	1.032	1538	3127.69558
State of New Mexico, Humble State 1	32.460119	-104.167103	1975.28833	3230	177.29565	3052.70435	1.018	1.032	1538	3126.702889
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1966.69995	3518	522.07666	2995.92334	1.016	1.02	2913	3053.421807
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1966.91992	3518	493.34668	3024.65332	1.016	1.02	2913	3082.726386
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1967.52734	3518	506.45166	3011.54834	1.016	1.02	2913	3069.359307
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1968.14526	3518	518.04443	2999.95557	1.016	1.02	2913	3057.534681
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1969.51709	3518	548.28638	2969.71362	1.016	1.02	2913	3026.687892
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1970.25024	3518	559.375	2958.625	1.016	1.02	2913	3015.3775
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1970.8158	3518	572.98389	2945.01611	1.016	1.02	2913	3001.496432
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1971.54883	3518	589.61694	2928.38306	1.016	1.02	2913	2984.530721
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1972.29236	3518	601.71362	2916.28638	1.016	1.02	2913	2972.192108
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1972.92078	3518	612.80249	2905.19751	1.016	1.02	2913	2960.88146
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1973.41296	3518	616.33057	2901.66943	1.016	1.02	2913	2957.282819
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1973.62244	3518	621.37085	2896.62915	1.016	1.02	2913	2952.141733
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1973.82141	3518	627.92334	2890.07666	1.016	1.02	2913	2945.458193
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1974.07275	3518	633.97168	2884.02832	1.016	1.02	2913	2939.288886
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1974.4812	3518	642.03638	2875.96362	1.016	1.02	2913	2931.062892
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1974.85815	3518	650.10083	2867.89917	1.016	1.02	2913	2922.837153
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1975.24573	3518	653.62915	2864.37085	1.016	1.02	2913	2919.238267
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1975.4447	3518	656.14917	2861.85083	1.016	1.02	2913	2916.667847
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1975.80078	3518	662.19751	2855.80249	1.016	1.02	2913	2910.49854

Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1976.20923	3518	668.24585	2849.75415	1.016	1.02	2913	2904.329233
Shell Oil Company, Middleton Federal B 1	32.622121	-103.8121	1977.96863	3518	627.92334	2890.07666	1.016	1.02	2913	2945.458193
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1967.01892	3717	1029.677	2687.323	1.01	1.01	4169	2714.19623
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1967.11572	3717	1032.25537	2684.74463	1.01	1.01	4169	2711.592076
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1967.38147	3717	1032.57129	2684.42871	1.01	1.01	4169	2711.272997
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1967.51453	3717	1038.052	2678.948	1.01	1.01	4169	2705.73748
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1967.67175	3717	1040.62866	2676.37134	1.01	1.01	4169	2703.135053
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1967.91345	3717	1045.13867	2671.86133	1.01	1.01	4169	2698.579943
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1968.16736	3717	1048.03564	2668.96436	1.01	1.01	4169	2695.654004
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1968.33655	3717	1050.61206	2666.38794	1.01	1.01	4169	2693.051819
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1968.65076	3717	1052.53979	2664.46021	1.01	1.01	4169	2691.104812
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1968.90454	3717	1055.11426	2661.88574	1.01	1.01	4169	2688.504597
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1969.23083	3717	1058.65454	2658.34546	1.01	1.01	4169	2684.928915
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1969.56921	3717	1059.61377	2657.38623	1.01	1.01	4169	2683.960092
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1969.72644	3717	1062.51318	2654.48682	1.01	1.01	4169	2681.031688
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1970.01636	3717	1064.1189	2652.8811	1.01	1.01	4169	2679.409911
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1970.29443	3717	1069.91846	2647.08154	1.01	1.01	4169	2673.552355
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1970.82654	3717	1082.80835	2634.19165	1.01	1.01	4169	2660.533567
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1971.2135	3717	1093.7666	2623.2334	1.01	1.01	4169	2649.465734
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1971.53992	3717	1100.53247	2616.46753	1.01	1.01	4169	2642.632205
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1971.93884	3717	1106.65161	2610.34839	1.01	1.01	4169	2636.451874
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1972.34985	3717	1110.83496	2606.16504	1.01	1.01	4169	2632.22669
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1972.71252	3717	1118.24536	2598.75464	1.01	1.01	4169	2624.742186
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1973.12366	3717	1128.55786	2588.44214	1.01	1.01	4169	2614.326561
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1973.60718	3717	1135.96509	2581.03491	1.01	1.01	4169	2606.845259
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1974.01819	3717	1142.08398	2574.91602	1.01	1.01	4169	2600.66518
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1974.41711	3717	1147.88062	2569.11938	1.01	1.01	4169	2594.810574
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1974.70728	3717	1153.03467	2563.96533	1.01	1.01	4169	2589.604983
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1974.99719	3717	1154.64038	2562.35962	1.01	1.01	4169	2587.983216
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1975.00952	3717	1160.44653	2556.55347	1.01	1.01	4169	2582.119005
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1975.45654	3717	1161.72559	2555.27441	1.01	1.01	4169	2580.827154
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1975.9762	3717	1165.26123	2551.73877	1.01	1.01	4169	2577.256158
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1976.93079	3717	1166.85034	2550.14966	1.01	1.01	4169	2575.651157
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1978.01782	3717	1158.43628	2558.56372	1.01	1.01	4169	2584.149357
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	1979.99854	3717	1138.0647	2578.9353	1.01	1.01	4169	2604.724653
Sinclair Oil & Gas, Co., South Wilson Deep Unit 1	32.461224	-103.447482	2011.605	3717	819.9	2897.1	1.01	1.01	4169	2926.071
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1966.88757	3387	834.5437	2552.4563	1.008	1.03	4451	2652.437989
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1967.09485	3387	846.58545	2540.41455	1.008	1.03	4451	2640.034987
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1967.39404	3387	849.41699	2537.58301	1.008	1.03	4451	2637.1185
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1967.61511	3387	853.84473	2533.15527	1.008	1.03	4451	2632.557928
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1967.88831	3387	856.27295	2530.72705	1.008	1.03	4451	2630.056862
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1968.39563	3387	863.53101	2523.46899	1.008	1.03	4451	2622.58106
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1968.39587	3387	860.72534	2526.27466	1.008	1.03	4451	2625.4709
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1968.69507	3387	864.75903	2522.24097	1.008	1.03	4451	2621.316199
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1969.08521	3387	870.80469	2516.19531	1.008	1.03	4451	2615.089169
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1969.39734	3387	875.24023	2511.75977	1.008	1.03	4451	2610.520563
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1969.63171	3387	875.66113	2511.33887	1.008	1.03	4451	2610.087036
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1969.70959	3387	878.87427	2508.12573	1.008	1.03	4451	2606.777502
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1969.95715	3387	877.69312	2509.30688	1.008	1.03	4451	2607.994086
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1970.10034	3387	878.50708	2508.49292	1.008	1.03	4451	2607.155708
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1970.26929	3387	882.12891	2504.87109	1.008	1.03	4451	2603.425223
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1970.56812	3387	889.3689	2497.6311	1.008	1.03	4451	2595.968033
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1970.88	3387	896.61011	2490.38989	1.008	1.03	4451	2588.509587
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1971.15295	3387	903.04639	2483.95361	1.008	1.03	4451	2581.880218
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1971.47778	3387	911.09033	2475.90967	1.008	1.03	4451	2573.59496
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1971.78979	3387	916.72852	2470.27148	1.008	1.03	4451	2567.787624
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1972.21912	3387	922.37646	2464.62354	1.008	1.03	4451	2561.970246
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1972.54431	3387	926.01172	2460.98828	1.008	1.03	4451	2558.225928
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1972.77832	3387	930.44067	2456.55933	1.008	1.03	4451	2553.66411
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1973.05127	3387	936.87695	2450.12305	1.008	1.03	4451	2547.034742
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1973.22009	3387	941.70093	2445.29907	1.008	1.03	4451	2542.066042
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1973.21973	3387	945.70898	2441.29102	1.008	1.03	4451	2537.937751
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1973.45374	3387	951.34033	2435.65967	1.008	1.03	4451	2532.13746
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1973.94775	3387	959.79956	2427.20044	1.008	1.03	4451	2523.424453
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1974.36389	3387	967.0498	2419.9502	1.008	1.03	4451	2515.956706
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1974.81909	3387	974.30347	2412.69653	1.008	1.03	4451	2508.485426
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1975.15723	3387	978.34033	2408.65967	1.008	1.03	4451	2504.32746
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1975.66504	3387	979.58643	2407.41357	1.008	1.03	4451	2503.043977
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1975.93835	3387	981.21313	2405.78687	1.008	1.03	4451	2501.368476

Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1976.56384	3387	977.65967	2409.34033	1.008	1.03	4451	2505.02854
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1977.24133	3387	974.51147	2412.48853	1.008	1.03	4451	2508.271186
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1977.95789	3387	971.36646	2415.63354	1.008	1.03	4451	2511.510546
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	1979.92737	3387	939.47144	2447.52856	1.008	1.03	4451	2544.362417
Bass Brothers Enterprises, North Cluster Mountain Unit 1	32.279025	-103.378973	2011.605	3387	558.47	2828.53	1.008	1.03	4451	2913.3859
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1967.01001	3355	1076.60645	2278.39355	1.005	1.109	4252	2620.026447
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1967.39661	3355	1085.67236	2269.32764	1.005	1.109	4252	2609.972353
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1967.61389	3355	1092.71729	2262.28271	1.005	1.109	4252	2602.159525
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1967.95215	3355	1100.77539	2254.22461	1.005	1.109	4252	2593.223092
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1968.15759	3355	1103.80347	2251.19653	1.005	1.109	4252	2589.864952
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1968.49597	3355	1109.35156	2245.64844	1.005	1.109	4252	2583.71212
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1968.7981	3355	1114.89697	2240.10303	1.005	1.109	4252	2577.56226
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1969.05176	3355	1119.93677	2235.06323	1.005	1.109	4252	2571.973122
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1969.42664	3355	1120.96973	2234.03027	1.005	1.109	4252	2570.827569
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1969.66846	3355	1121.49023	2233.50977	1.005	1.109	4252	2570.250335
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1969.91016	3355	1125.52515	2229.47485	1.005	1.109	4252	2565.775609
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1970.18774	3355	1136.59058	2218.40942	1.005	1.109	4252	2553.504047
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1970.53809	3355	1146.65796	2208.34204	1.005	1.109	4252	2542.339322
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1970.94873	3355	1156.22778	2198.77222	1.005	1.109	4252	2531.726392
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1971.26282	3355	1164.28418	2190.71582	1.005	1.109	4252	2522.791844
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1971.72205	3355	1170.8457	2184.1543	1.005	1.109	4252	2515.515119
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1972.29016	3355	1177.91772	2177.08228	1.005	1.109	4252	2507.672249
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1972.57996	3355	1185.97217	2169.02783	1.005	1.109	4252	2498.739863
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1972.79749	3355	1189.50317	2165.49683	1.005	1.109	4252	2494.823984
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1972.80933	3355	1195.02612	2159.97388	1.005	1.109	4252	2488.699033
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1972.93005	3355	1199.55347	2155.44653	1.005	1.109	4252	2483.678202
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1973.1355	3355	1204.0874	2150.9126	1.005	1.109	4252	2478.650073
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1973.53418	3355	1212.15039	2142.84961	1.005	1.109	4252	2469.708217
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1974.01746	3355	1220.72168	2134.27832	1.005	1.109	4252	2460.202657
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1974.60962	3355	1229.30176	2125.69824	1.005	1.109	4252	2450.687348
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1975.02075	3355	1231.34155	2123.65845	1.005	1.109	4252	2448.425221
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1975.5647	3355	1237.40747	2117.59253	1.005	1.109	4252	2441.698116
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1976.07251	3355	1239.45483	2115.54517	1.005	1.109	4252	2439.427594
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1976.62866	3355	1240.50171	2114.49829	1.005	1.109	4252	2438.266604
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1977.26978	3355	1238.54321	2116.45679	1.005	1.109	4252	2440.43858
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1977.99548	3355	1236.08936	2118.91064	1.005	1.109	4252	2443.1599
Humble Oil and Refining Co., Federal Davison 1	32.207327	-103.285365	1979.97925	3355	1223.19019	2131.80981	1.005	1.109	4252	2457.465079
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1966.74268	2985	743.45923	2241.54077	1.005	1.106	4199	2601.758092
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1966.80847	2985	748.90405	2236.09595	1.005	1.106	4199	2595.736121
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1967.00317	2985	748.24512	2236.75488	1.005	1.106	4199	2596.464897
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1967.09485	2985	753.36694	2231.63306	1.005	1.106	4199	2590.800164
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1967.26404	2985	755.59595	2229.40405	1.005	1.106	4199	2588.334879
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1967.40686	2985	755.90356	2229.09644	1.005	1.106	4199	2587.994663
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1967.52417	2985	758.45776	2226.54224	1.005	1.106	4199	2585.169717
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1967.7583	2985	761.00146	2223.99854	1.005	1.106	4199	2582.356385
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1968.07056	2985	764.5	2220.5	1.005	1.106	4199	2578.487
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1968.46082	2985	768.63257	2216.36743	1.005	1.106	4199	2573.916378
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1968.83826	2985	774.36963	2210.63037	1.005	1.106	4199	2567.571189
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1969.08594	2985	780.43921	2204.56079	1.005	1.106	4199	2560.858234
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1969.32007	2985	782.98291	2202.01709	1.005	1.106	4199	2558.044902
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1969.56677	2985	782.31909	2202.68091	1.005	1.106	4199	2558.779086
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1969.7356	2985	782.62427	2202.37573	1.005	1.106	4199	2558.441557
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1969.87854	2985	783.25244	2201.74756	1.005	1.106	4199	2557.746801
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1970.13904	2985	788.35889	2196.64111	1.005	1.106	4199	2552.099068
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1970.36108	2985	796.99585	2188.00415	1.005	1.106	4199	2542.54659
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1970.64771	2985	802.74121	2182.25879	1.005	1.106	4199	2536.192222
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1970.86951	2985	809.7749	2175.2251	1.005	1.106	4199	2528.412961
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1971.13037	2985	816.80518	2168.19482	1.005	1.106	4199	2520.637471
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1971.41675	2985	820.94727	2164.05273	1.005	1.106	4199	2516.056319
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1971.81982	2985	824.11694	2160.88306	1.005	1.106	4199	2512.550664
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1972.17114	2985	828.57373	2156.42627	1.005	1.106	4199	2507.621455
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1972.47021	2985	831.43213	2153.56787	1.005	1.106	4199	2504.460064
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1972.67883	2985	837.18457	2147.81543	1.005	1.106	4199	2498.097866
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1972.92639	2985	841.97144	2143.02856	1.005	1.106	4199	2492.803587
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1973.16101	2985	848.04224	2136.95776	1.005	1.106	4199	2486.089283
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1973.31763	2985	852.83765	2132.16235	1.005	1.106	4199	2480.785559
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1973.79932	2985	860.80957	2124.19043	1.005	1.106	4199	2471.968616
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1974.15125	2985	869.43457	2115.56543	1.005	1.106	4199	2462.429366
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1974.51562	2985	874.53149	2110.46851	1.005	1.106	4199	2456.792172

Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1974.81482	2985	877.38989	2107.61011	1.005	1.106	4199	2453.630782
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1975.00977	2985	878.65454	2106.34546	1.005	1.106	4199	2452.232079
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1975.26929	2985	877.02759	2107.97241	1.005	1.106	4199	2454.031485
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1975.65906	2985	877.95386	2107.04614	1.005	1.106	4199	2453.007031
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1975.90576	2985	878.25195	2106.74805	1.005	1.106	4199	2452.677343
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1976.04822	2985	875.03247	2109.96753	1.005	1.106	4199	2456.238088
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1976.30835	2985	877.57373	2107.42627	1.005	1.106	4199	2453.427455
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1976.98291	2985	872.70215	2112.29785	1.005	1.106	4199	2458.815422
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1977.96802	2985	860.10693	2124.89307	1.005	1.106	4199	2472.745735
Sinclair Oil & Gas, Co., Southwest Jal Unit 1	32.073628	-103.268558	1979.91199	2985	832.67407	2152.32593	1.005	1.106	4199	2503.086479

APPENDIX D

Sensitivity Analysis

Appendix D: Sensitivity Analysis of the Capitan Aquifer Model

Introduction

An analysis was performed to evaluate the sensitivity of the calibrated groundwater model with respect to various model input parameters and boundary conditions. The sensitivity of a model is indicated by differences in calibration residuals and/or model conclusions due to a change or perturbation of a model input parameter. Thus, a sensitivity analysis shows the importance of individual parameters to the simulation results.

Analysis of input parameters and boundary conditions

The sensitivity analysis that evaluated model sensitivity to input parameters and boundary conditions was designed and conducted in accordance with guidelines established by the American Society for Testing and Materials (ASTM, 1994). The calibration statistic evaluated was the RMSE. A total of 22 sensitivity analyses were evaluated (Table D.1). Model parameters that were varied during this portion of the sensitivity analysis included:

- Hydraulic conductivities (8 zones)
- Recharge rate (1)
- Specific storage (1)
- ICP water supply pumping rate (1)
- Hydraulic conductivities used in the one-dimensional models (5 scenarios)
- Specific storages used in the one-dimensional models (5 scenarios)
- Thicknesses used in the one-dimensional models (1)

For each parameter, the original value was perturbed by a certain amount (Table D.1) and both the calibration and predictive models were run. Sensitivity analysis was completed to evaluate the flux rates from both the basin and backreef aquifers by varying hydraulic conductivity (K) for each of the four 1D models both individually and collectively. First, the K of each individual 1D model was varied while leaving the K value of the other models unchanged. In addition, the K values for all 1D models were varied together, creating a total of five scenarios for sensitivity analysis for K in the 1D models. An identical method was applied to test the specific storage (S_s). The RMSE was used to assess the change in calibration due to the change in model parameter. For a given model parameter, the slope of the model RMSE curve indicates the model's sensitivity, as a whole, to that parameter. The slope of the response curve should approach zero in the vicinity of an optimum calibration, corresponding to minimization of the RMSE.

The predictive component of the sensitivity analysis is equally important as the calibration component. If variations in some model inputs result in insignificant changes in the degree of calibration but cause significantly different conclusions, then the mere fact of having used a calibrated model does not necessarily mean that the modeling conclusions are valid. Thus, it was necessary to examine both calibration and prediction components in the sensitivity analysis. The performance measure of the predictive component used in the sensitivity analysis was the pumping-induced leakage from the Pecos River.

According to ASTM (1994), there are four types of sensitivity, Types I through IV, depending on whether the changes to the calibration residuals and model's conclusions are significant or insignificant. The four types of sensitivity are described as follows:

> Type I Sensitivity When variation of an input causes insignificant changes in the calibration residuals as wells as the model's conclusions, then that model has Type I sensitivity to the input. Type I sensitivity is of no concern because regardless of the value of the input, the conclusion will remain the same.
>
> Type II Sensitivity When variation of an input causes significant changes in the calibration residuals but insignificant changes in the model's conclusions, then that model has Type II sensitivity to the input. Type II sensitivity is of no concern because regardless of the value of the input, the conclusion will remain the same.
>
> Type III Sensitivity When variation of an input causes significant changes to both the calibration residuals and the model's conclusions, then that model has Type III sensitivity to the input. Type III sensitivity is of no concern because, even though the model's conclusions change as a result of variation of the input, the parameters used in those simulations cause the model to become uncalibrated. Therefore, the calibration process eliminates those values from being considered to be realistic.
>
> Type IV Sensitivity If, for some value of the input that is being varied, the model's conclusions are changed but the change in calibration residuals is insignificant, then the model has Type IV sensitivity to that input. Type IV sensitivity calls model results into question because over the range of that parameter in which the model can be considered calibrated, the conclusions of the model change. Type IV sensitivity generally indicates that additional data should be collected to decrease the range of possible values of the parameter.

Thus, the ideal outcome of the sensitivity analysis is for all results to be of Type I, II, or III. Results for the sensitivity analysis show that all sensitivity simulations resulted in Types I, II, or III (Table D.1, Figures D.1 and D.21).

Based on the sensitivity analysis results, the parameters and boundary conditions used in the model are considered representative and the conclusions based on model results are considered acceptable. The distribution of Pecos River leakage for most of sensitivity simulations was in the range of 25-30 ac-ft/yr (Figure 48). The mean leakage rate was 32.4ac-ft/yr, and the standard deviation of the data was 15.7 ac-ft/yr. The two highest leakage rates were due to the high hydraulic conductivities of zones 2 and 3. The eastern edge of the CAGWsup model is adjacent to hydraulic conductivity zone 2 in the Capitan aquifer model. Zone 3 is adjacent to zone 2 to the east. Consequently, higher hydraulic conductivities in both zones generate higher eastward flux from the Capitan aquifer model in those locations and consequently higher leakage rates from Pecos River as determined in the CAGWsup model.

References

ASTM. 1994. Standard Guide for Conducting a Sensitivity Analysis for a Ground-Water Flow Model Application. D5611-94. October 1994. American Society for Testing and Materials, Philadelphia, PA.

Hiss, W.L. 1975. Stratigraphy and Groundwater Hydrology of the Capitan Aquifer, Southeastern New Mexico and Western Texas. Unpublished Ph.D. dissertation, University of Colorado, Boulder. 396 pp.

Table D.1. Parameter Sensitivity Analysis Results.

Parameter Tested	Base Case Value	Multiplier	Value	Calibrated Component		Predictive Component	
				ME (ft)	RMSE (ft)	Leakage From Pecos River (acre-ft/yr)	Sensitivity Type
Calibrated Model (Base Case)				1.17	8.49	28.42	
Hydraulic Conductivity Zone 1	5	10	50	1.03	8.44	28.56	I
		2	10	1.10	8.46	28.50	
		0.5	2.5	1.30	8.53	28.27	
		0.1	0.5	1.61	8.64	27.41	
Hydraulic Conductivity Zone 2	0.005	10	0.05	0.68	11.20	105.46	III
		2	0.01	1.09	8.71	45.86	
		0.5	0.0025	1.22	8.43	17.68	
		0.1	0.0005	1.25	8.40	7.35	
Hydraulic Conductivity Zone 3	0.16	10	1.6	-3.23	38.53	88.27	III
		2	0.32	-0.16	13.18	55.32	
		0.5	0.08	2.23	10.71	8.49	
		0.1	0.016	3.63	14.48	28.14	
Hydraulic Conductivity Zone 4	3.1	10	31	6.53	22.14	37.03	III
		2	6.2	3.83	13.35	33.07	
		0.5	1.55	-2.60	17.50	20.28	
		0.1	0.31	-11.57	55.29	33.75	
Hydraulic Conductivity Zone 5	20	10	200	10.69	19.27	26.77	III
		2	40	6.21	12.00	27.52	
		0.5	10	-7.46	20.66	30.14	
		0.1	2	-42.80	94.42	40.72	
Hydraulic Conductivity Zone 6	6.9	10	69	14.50	27.19	24.91	III
		2	13.8	7.49	14.25	26.70	
		0.5	3.45	-9.56	21.49	30.80	
		0.1	0.69	-55.04	109.94	36.41	
Hydraulic Conductivity Zone 7	7.7	10	77	2.06	17.31	26.68	II
		2	15.4	1.63	11.60	27.56	
		0.5	3.85	0.57	13.62	29.64	
		0.1	0.77	-0.12	33.11	32.57	
Hydraulic Conductivity Zone 8	20	10	200	1.27	8.64	28.33	I/II
		2	40	1.23	8.54	28.37	
		0.5	10	1.08	8.64	28.52	
		0.1	2	0.35	16.13	29.16	
Specific Storage	1.50E-07	0.46	7.00E-08	4.25	10.89	43.72	III
		0.6	9.00E-08	3.30	9.74	38.45	
		0.8	1.20E-07	2.14	8.80	34.15	
		3.33	5.00E-07	-5.07	14.45	5.29	
ICP Pumping Rate	4000 gpm	0.5	2000	NA		14.33	NA
		1.5	6000			42.52	
Glass Mountains Recharge	1780 acre-ft/yr	2	3560	0.64	11.81	25.92	I/II
		1.5	2670	0.90	9.40	27.45	
		0.6667	1187	1.36	8.97	29.03	
		0.5	890	1.45	9.51	29.33	
Variation of K value in the 1D model for San Simon channel only	0.17	10	1.7	-37.46	75.33	Did Not Converge	III
		2	0.34	-6.23	17.15	22.89	
		0.5	0.085	6.41	12.60	33.60	
		0.1	0.017	13.40	24.26	43.11	

Parameter Tested	Base Case Value	Multiplier	Value	Calibrated Component		Predictive Component	
				ME (ft)	RMSE (ft)	Leakage From Pecos River (acre-ft/yr)	Sensitivity Type
Variation of K value in the 1D model for Sheffield channel only	0.17	10	1.7	-0.44	26.53	Did Not Converge	II
		2	0.34	0.86	9.71	28.25	
		0.5	0.085	1.40	9.20	28.58	
		0.1	0.017	1.71	11.77	28.88	
Variation of K value in the 1D model for Basin north reach only	0.01	10	0.1	-7.71	19.81	18.34	III
		2	0.02	-0.53	9.43	20.36	
		0.5	0.005	2.38	8.54	35.34	
		0.1	0.001	3.98	9.51	46.03	
Variation of K value in the 1D model for Basin south reach only	0.01	10	0.1	0.61	11.60	27.75	I/II
		2	0.02	1.06	8.60	28.26	
		0.5	0.005	1.25	8.58	28.55	
		0.1	0.001	1.36	8.92	28.74	
Variation of K values in the 1D model for both channels and both basin reaches	0.17 or 0.01	10	1.7 or 0.1	-48.45	96.60	Did Not Converge	III
		2	0.34 or 0.02	-8.35	20.79	16.34	
		0.5	0.085 or 0.005	7.92	14.92	42.54	
		0.1	0.017 or 0.001	16.96	30.80	77.29	
Variation of storage value in the 1D model for San Simon channel only	5.00E-07	10	5.00E-06	-37.34	75.11	Did Not Converge	III
		2	1.00E-06	-6.21	17.13	22.90	
		0.5	2.50E-07	6.40	12.59	33.59	
		0.1	5.00E-08	13.38	24.24	43.08	
Variation of storage value in the 1D model for Sheffield channel only	5.00E-07	10	5.00E-06	-0.43	26.46	Did Not Converge	II
		2	1.00E-06	0.86	9.71	28.25	
		0.5	2.50E-07	1.40	9.20	28.58	
		0.1	5.00E-08	1.71	11.77	28.87	
Variation of storage value in the 1D model for Basin north reach only	5.00E-07	10	5.00E-06	-7.59	19.60	17.93	III
		2	1.00E-06	-0.51	9.42	20.41	
		0.5	2.50E-07	2.37	8.53	35.30	
		0.1	5.00E-08	3.97	9.50	45.95	
Variation of storage value in the 1D model for Basin south reach only	5.00E-07	10	5.00E-06	0.62	11.52	27.76	I/II
		2	1.00E-06	1.06	8.60	28.26	
		0.5	2.50E-07	1.25	8.58	28.55	
		0.1	5.00E-08	1.36	8.92	28.73	
Variation of storage values in the 1D model for both channels and both basin reaches	5.00E-07	10	5.00E-06	-48.20	96.13	Did Not Converge	III
		2	1.00E-06	-8.32	20.74	16.38	
		0.5	2.50E-07	7.91	14.90	42.47	
		0.1	5.00E-08	16.93	30.76	77.04	
Variation of thickness in the 1D model for both channels and both basin reaches	1000	0.6	600	10.38	19.00	49.53	III
		0.8	800	5.78	11.76	37.33	
		1.2	1200	-3.42	12.73	21.73	
		1.4	1400	-8.01	20.20	16.67	

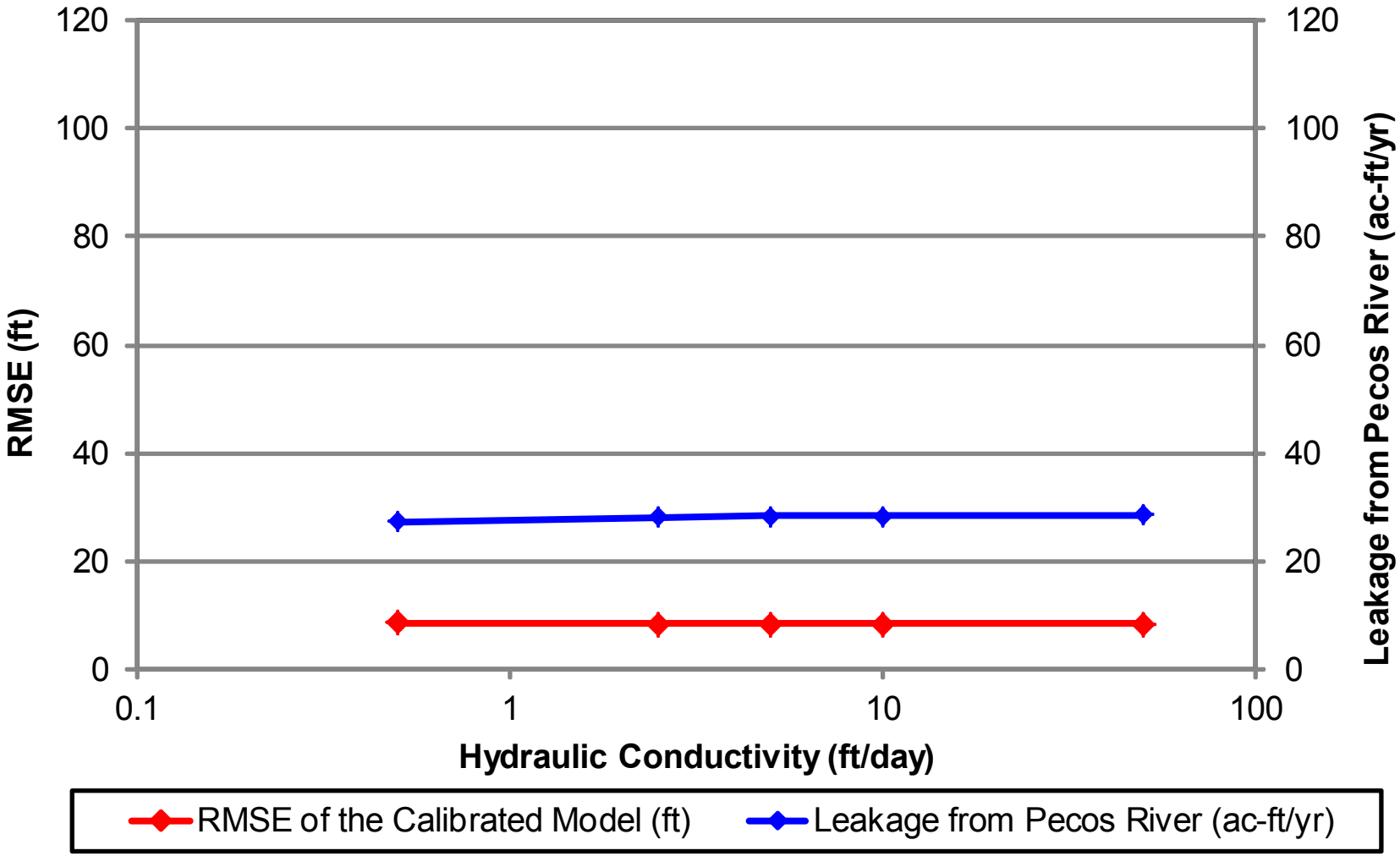

Figure D.1
Zone 1 Hydraulic Conductivity Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

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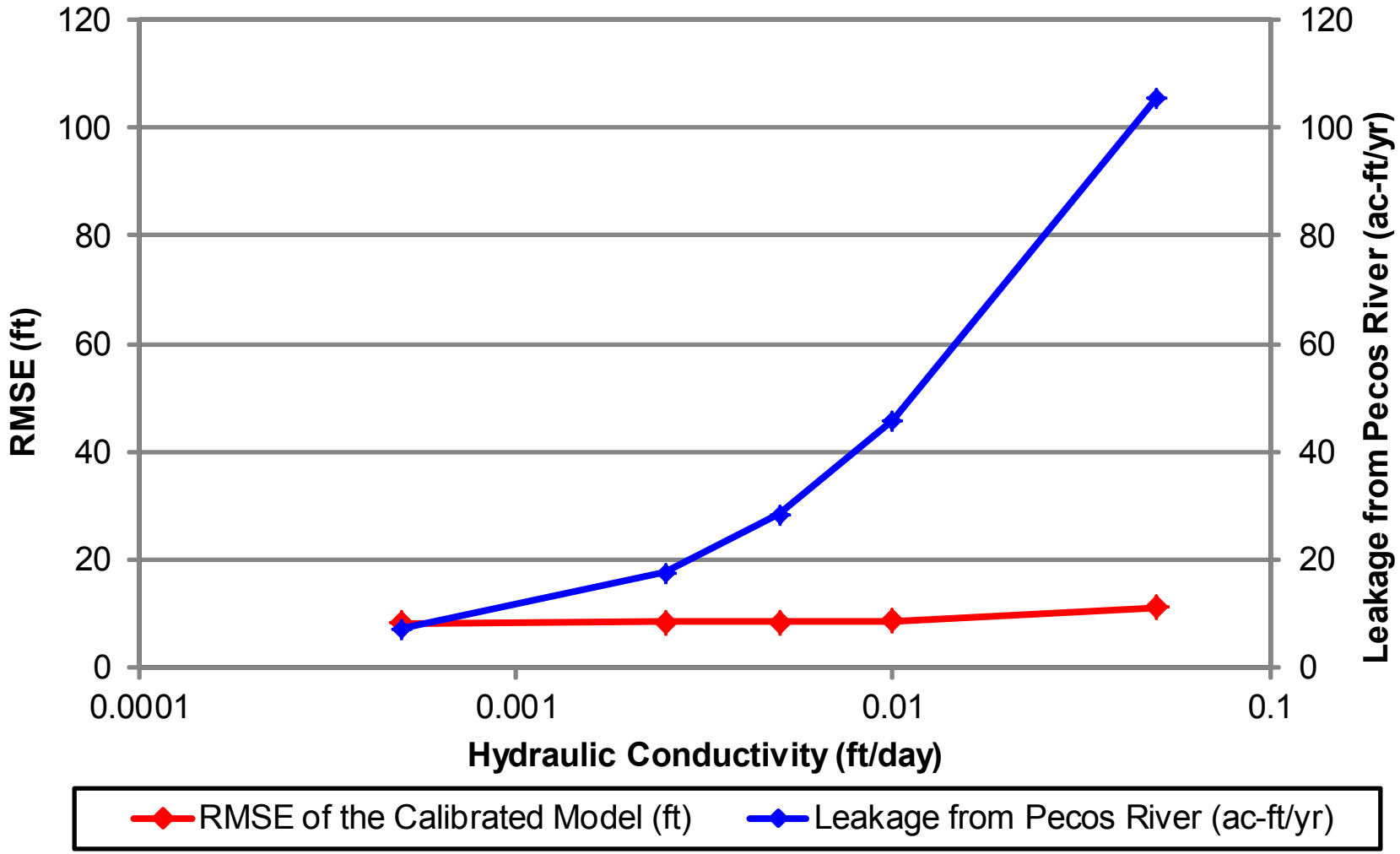

Figure D.2
Zone 2 Hydraulic Conductivity Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

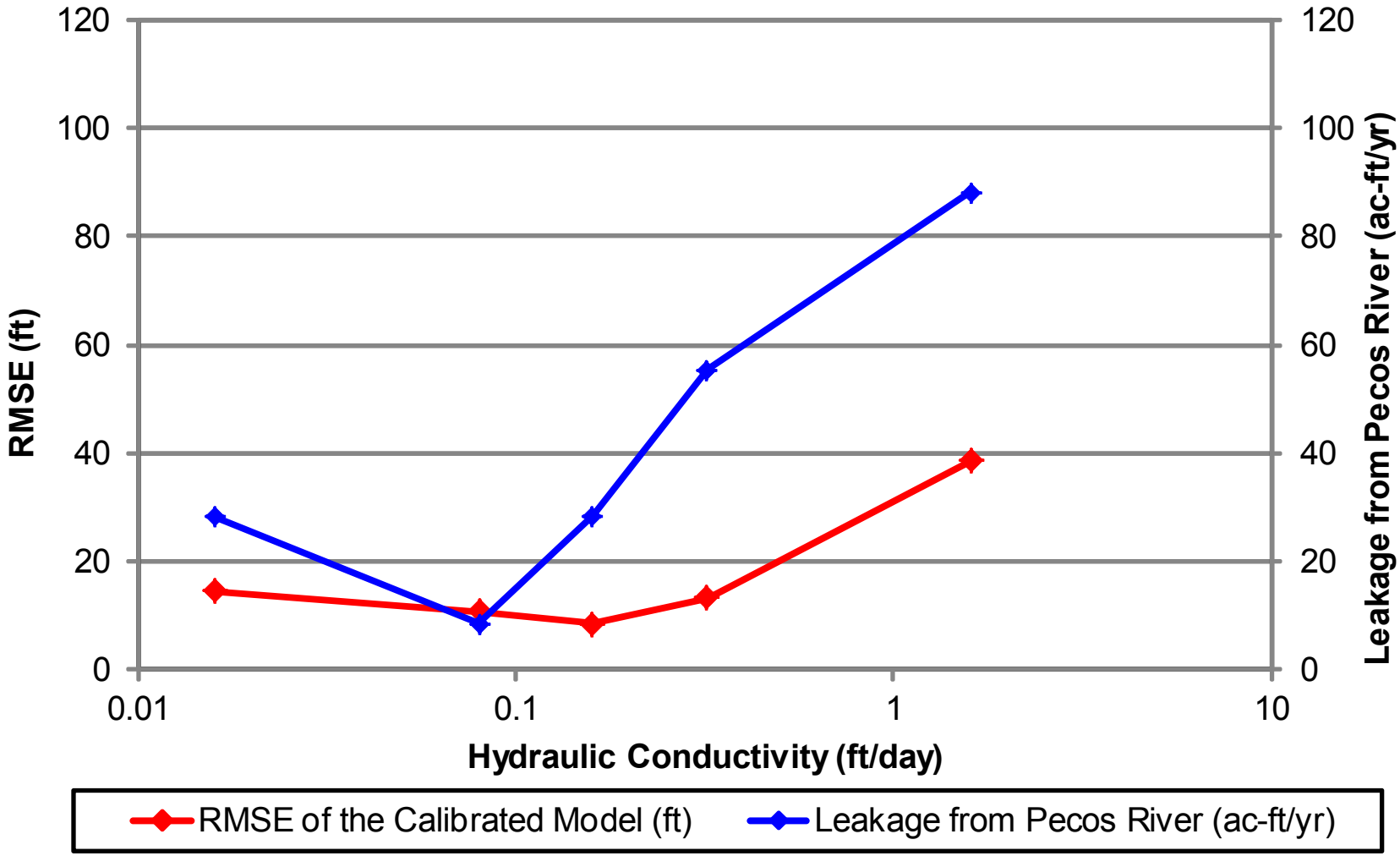

Figure D.3
Zone 3 Hydraulic Conductivity Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

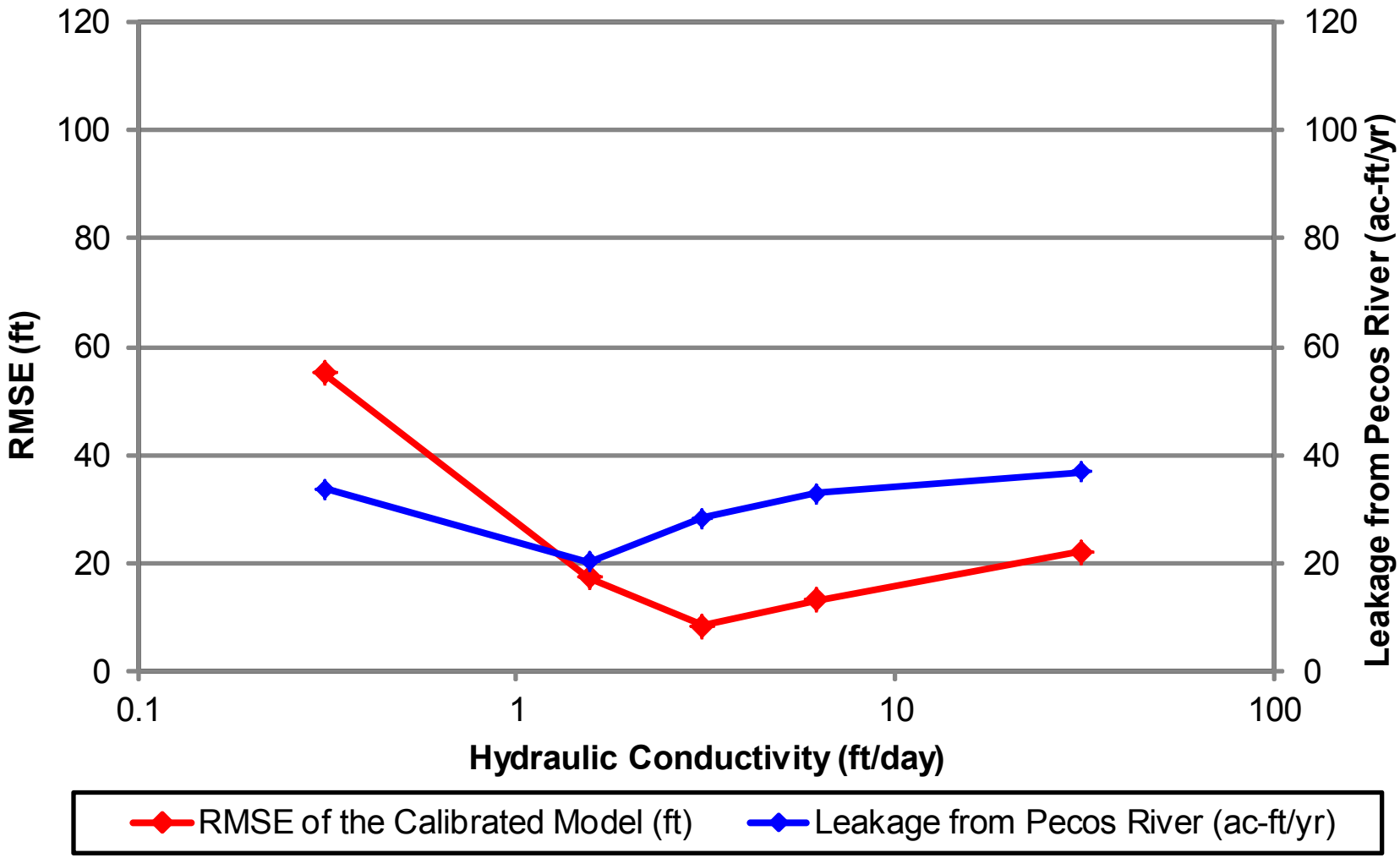

Figure D.4
Zone 4 Hydraulic Conductivity Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

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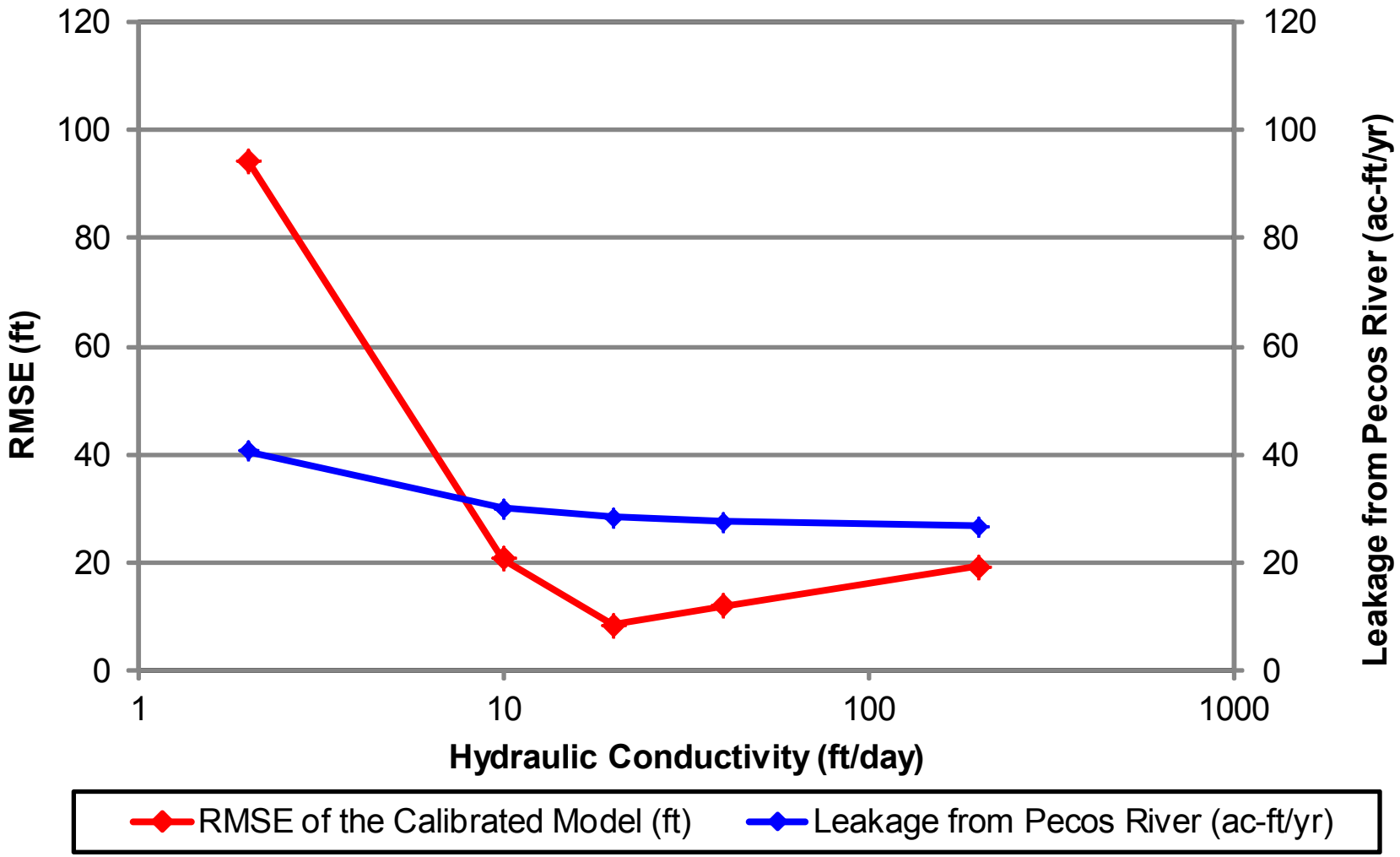

Figure D.5
Zone 5 Hydraulic Conductivity Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

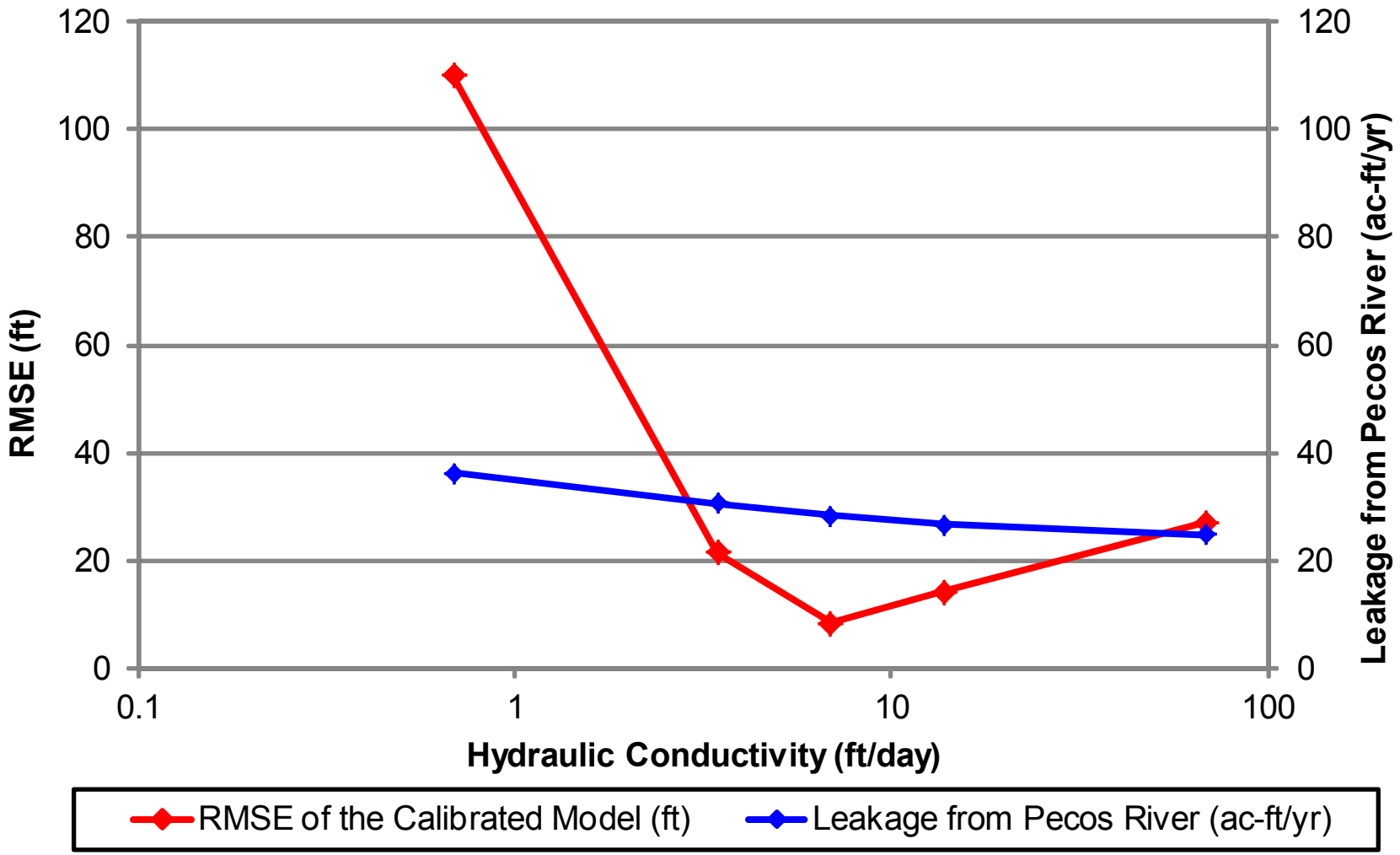

Figure D.6
Zone 6 Hydraulic Conductivity Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

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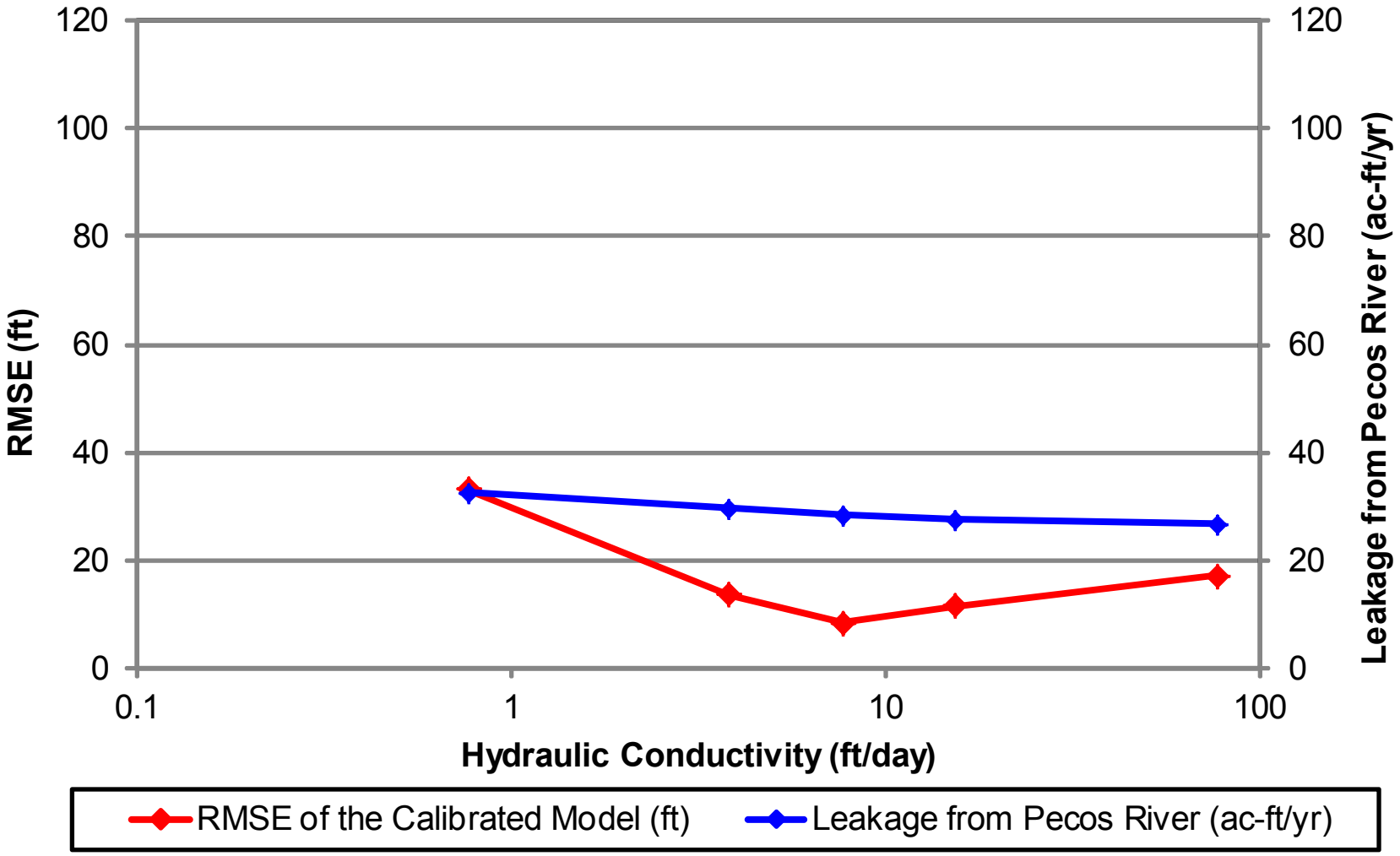

Figure D.7
Zone 7 Hydraulic Conductivity Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

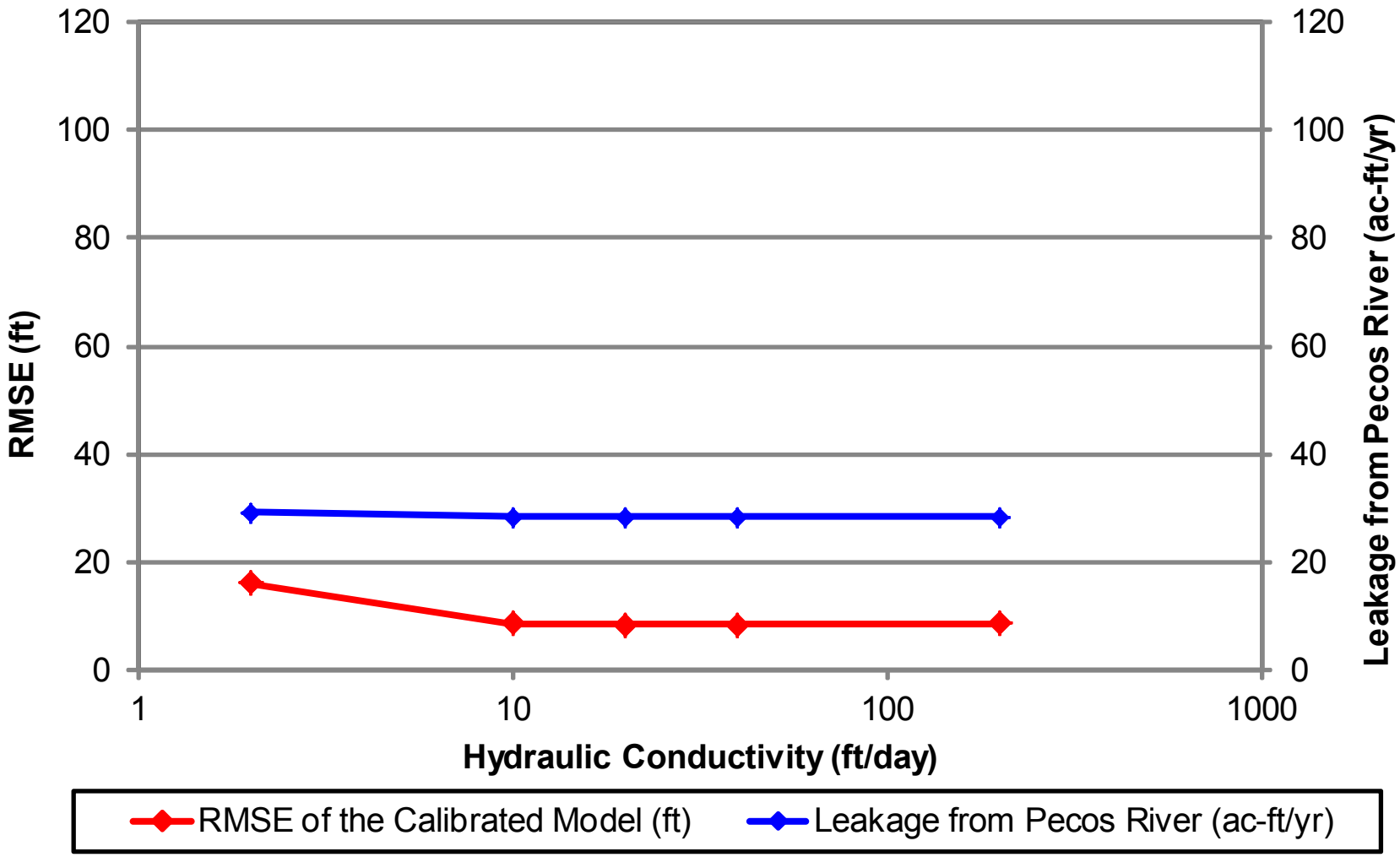

Figure D.8
Zone 8 Hydraulic Conductivity Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

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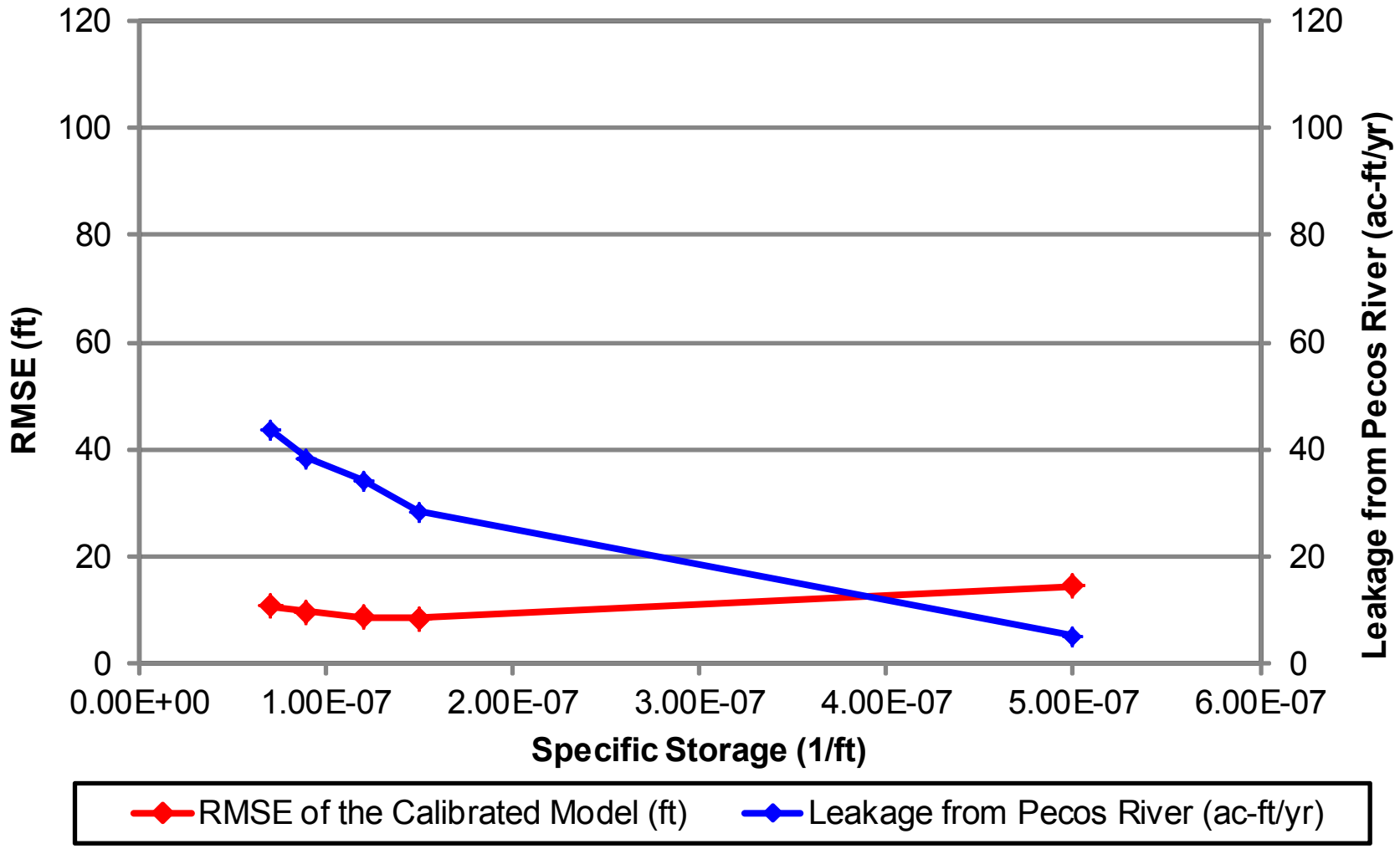

Figure D.9
Specific Storage
Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

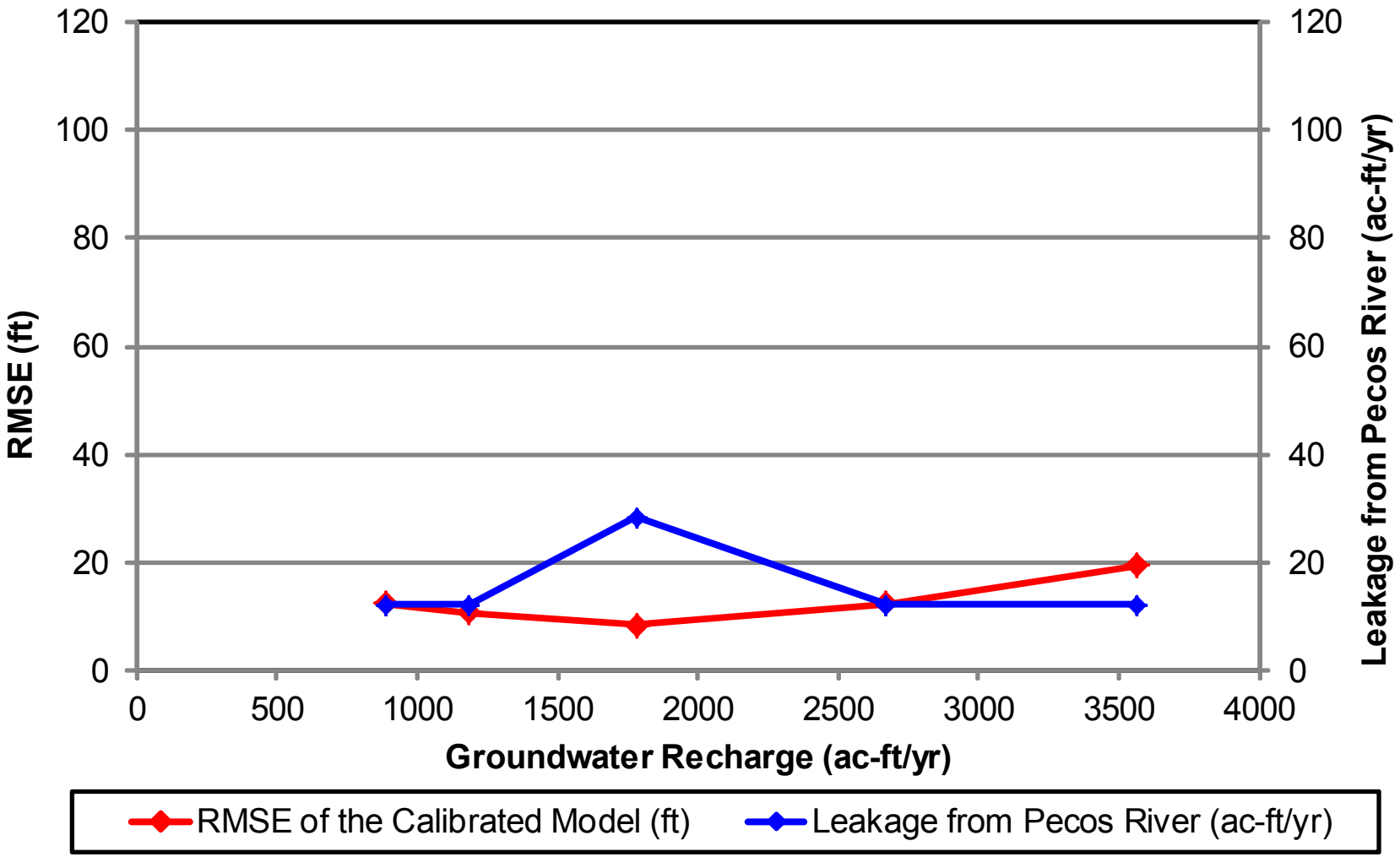

Figure D.10
Groundwater Recharge Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

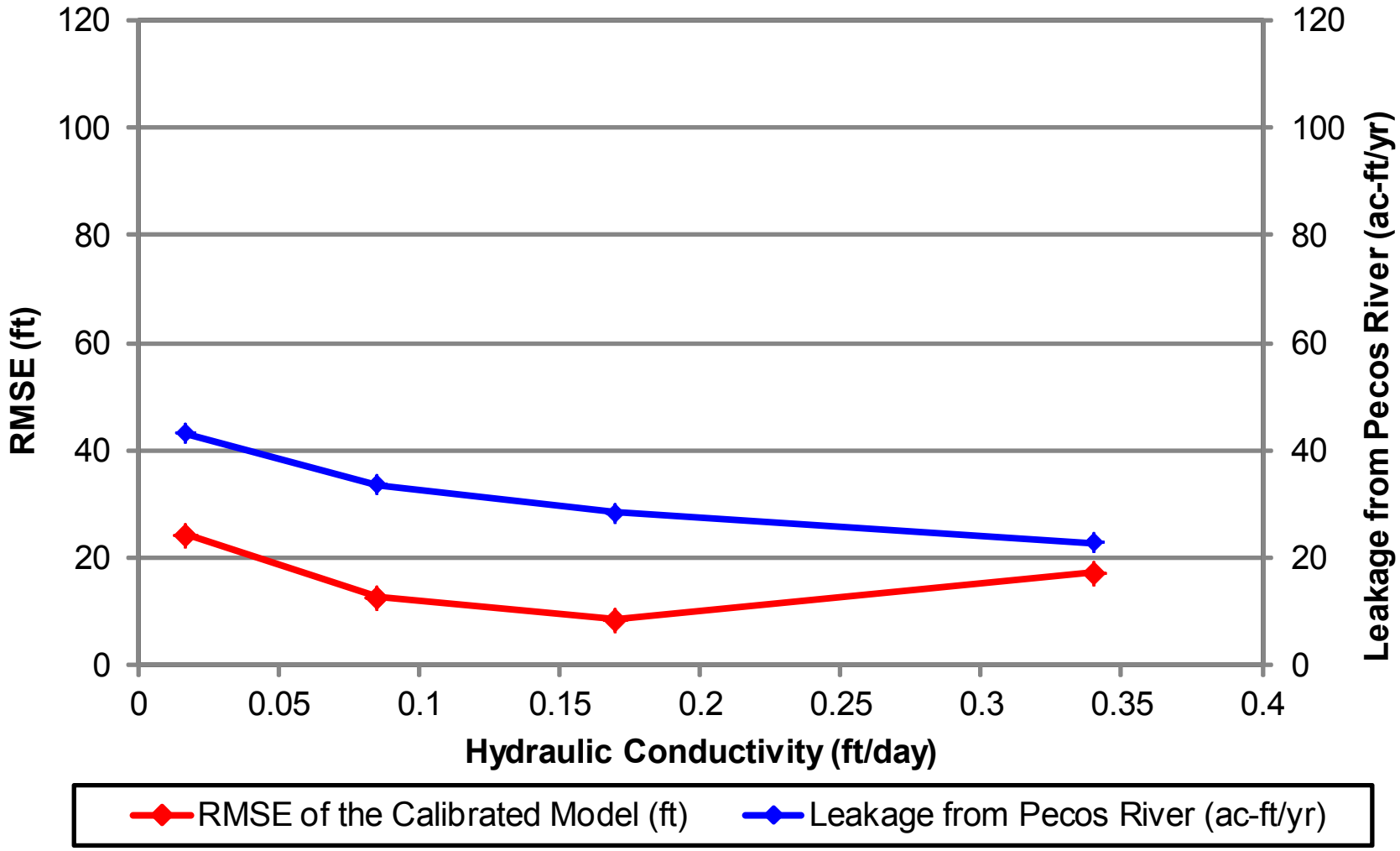

Figure D.11
Hydraulic Conductivity of San Simon Channel (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

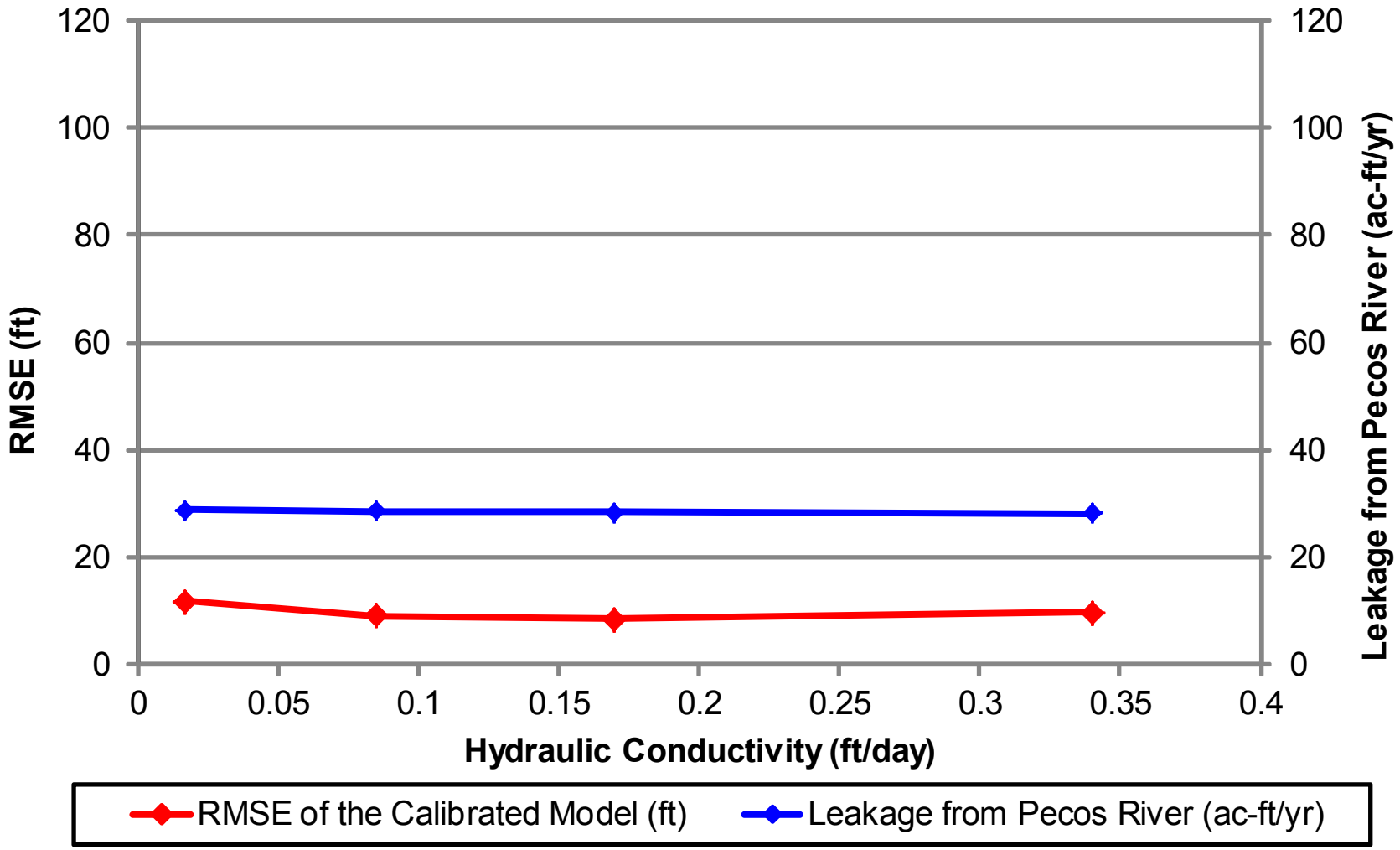

Figure D.12
Hydraulic Conductivity of Sheffield Channel (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

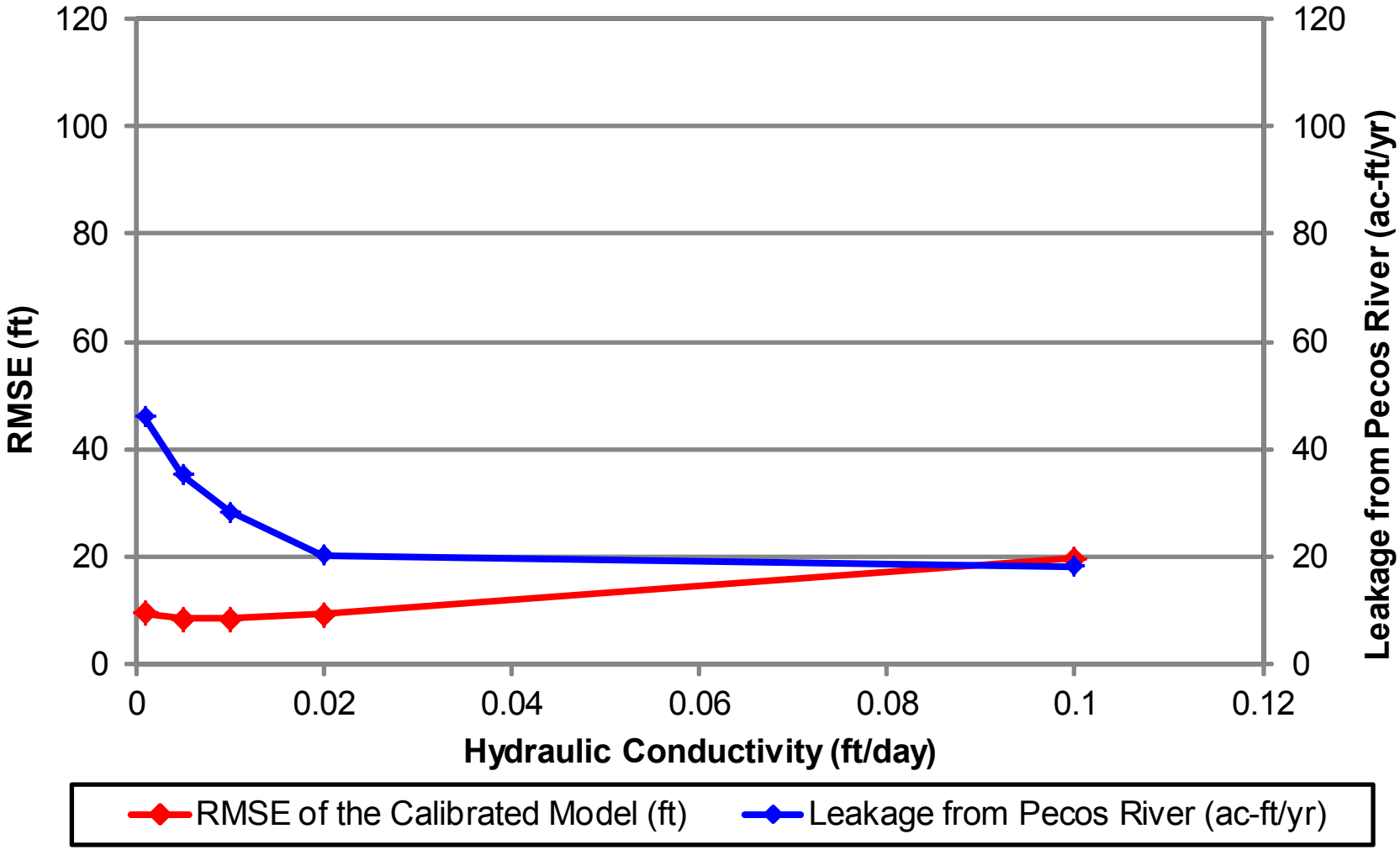

Figure D.13
Hydraulic Conductivity of Basin North Reachl (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

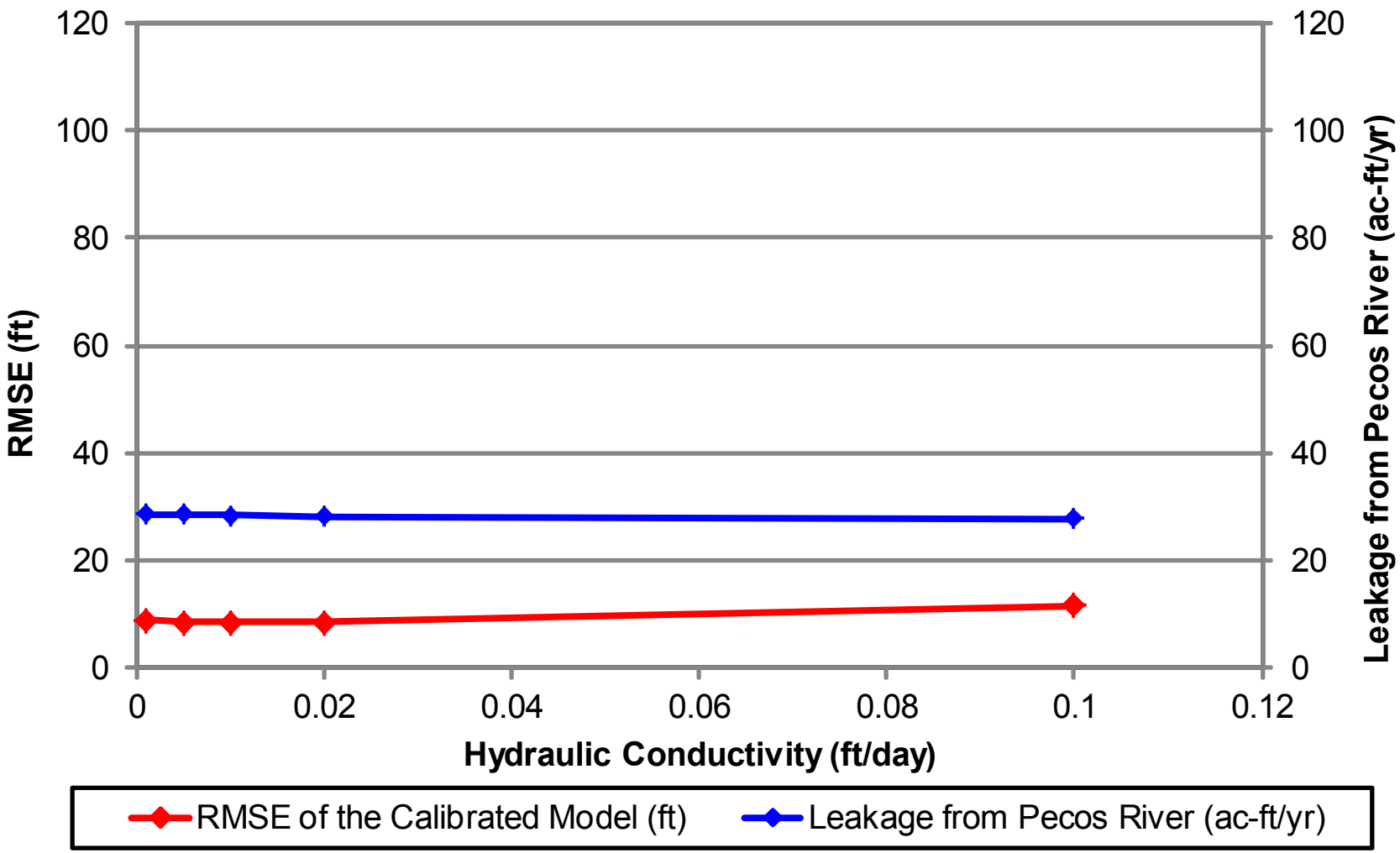

Figure D.14
Hydraulic Conductivity of Basin South Reach (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

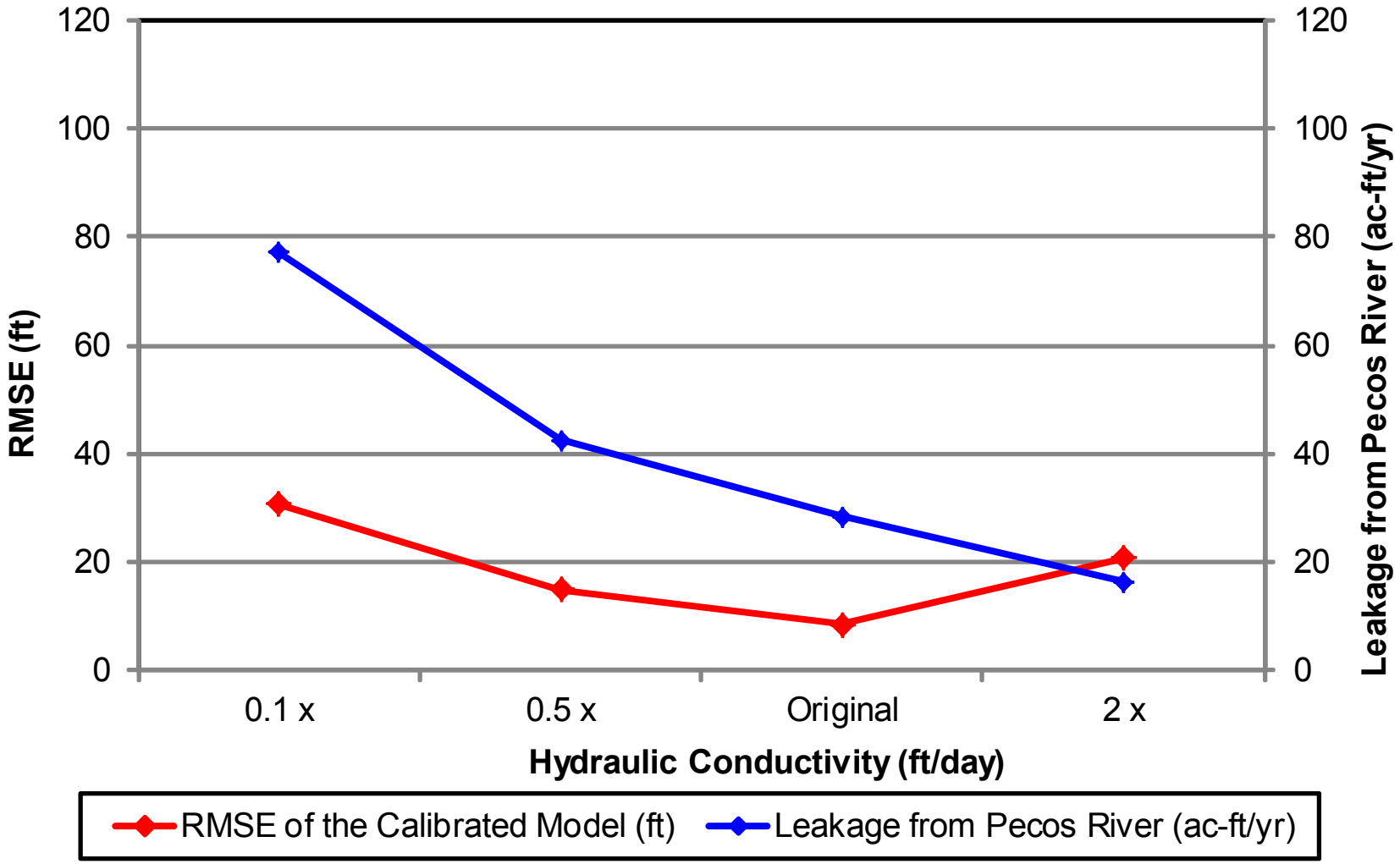

Figure D.15
Hydraulic Conductivity of All Four Segments (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

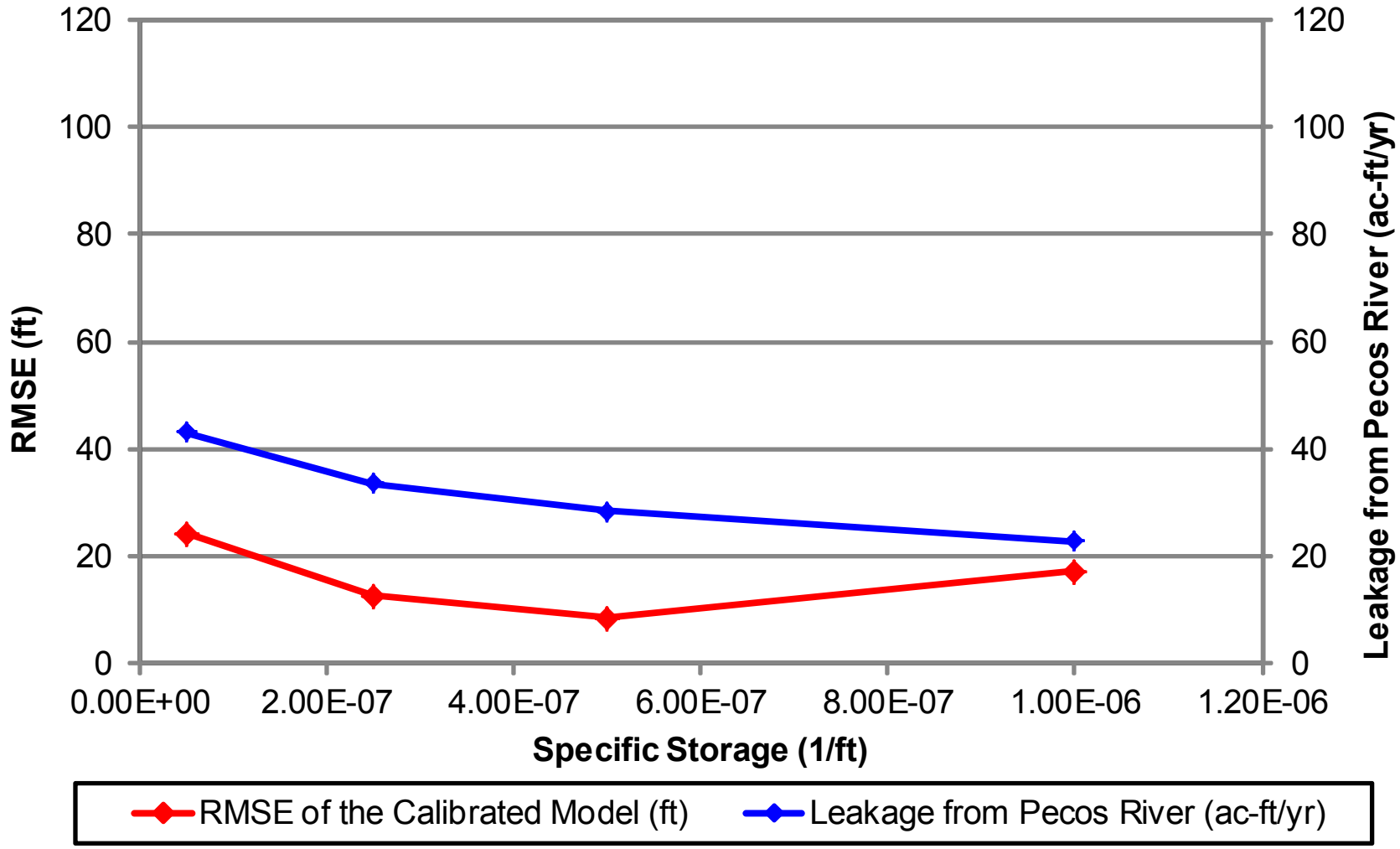

Figure D.16
Specific Storage of San Simon Channel (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

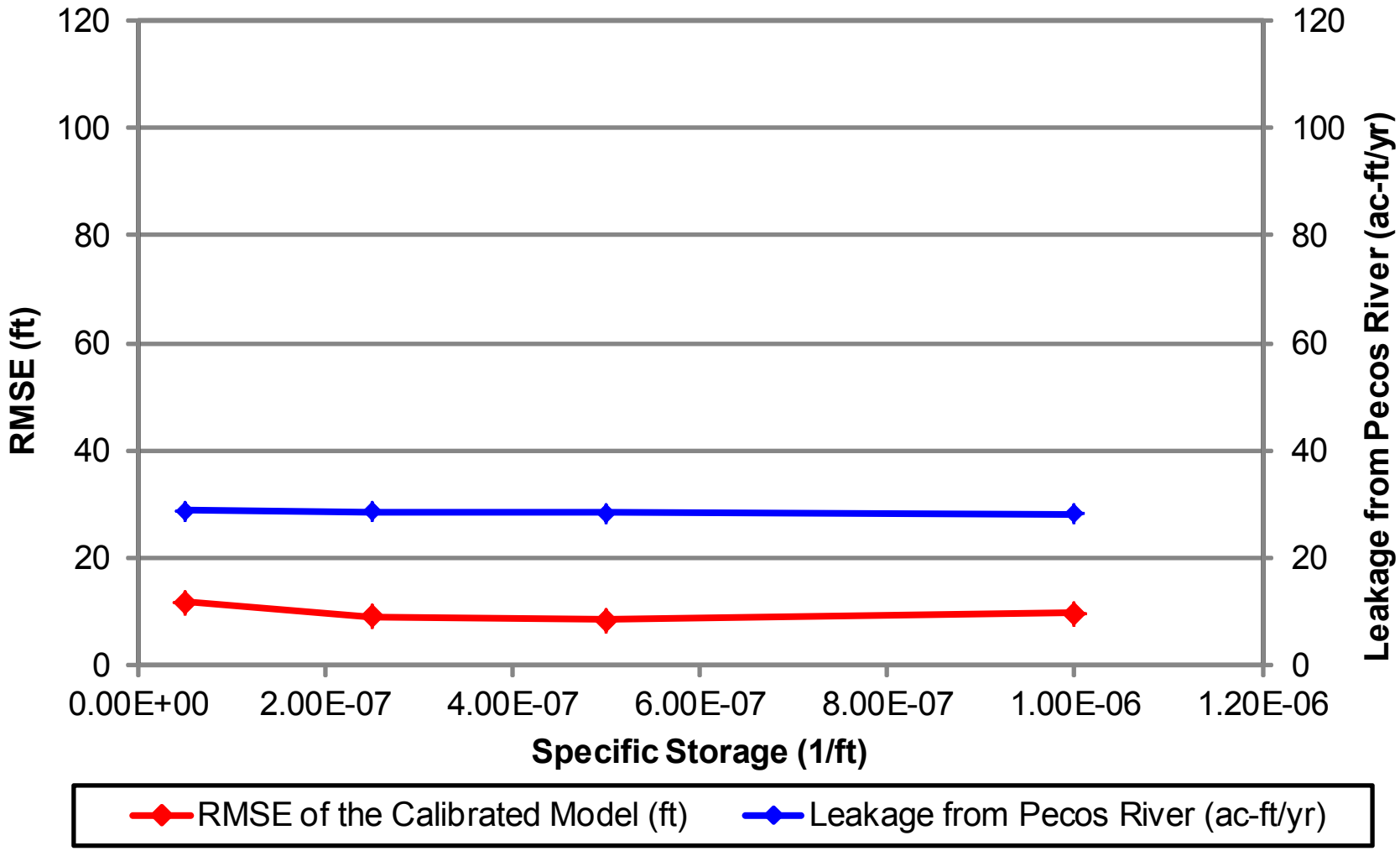

Figure D.17
Specific Storage of Sheffield Channel (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

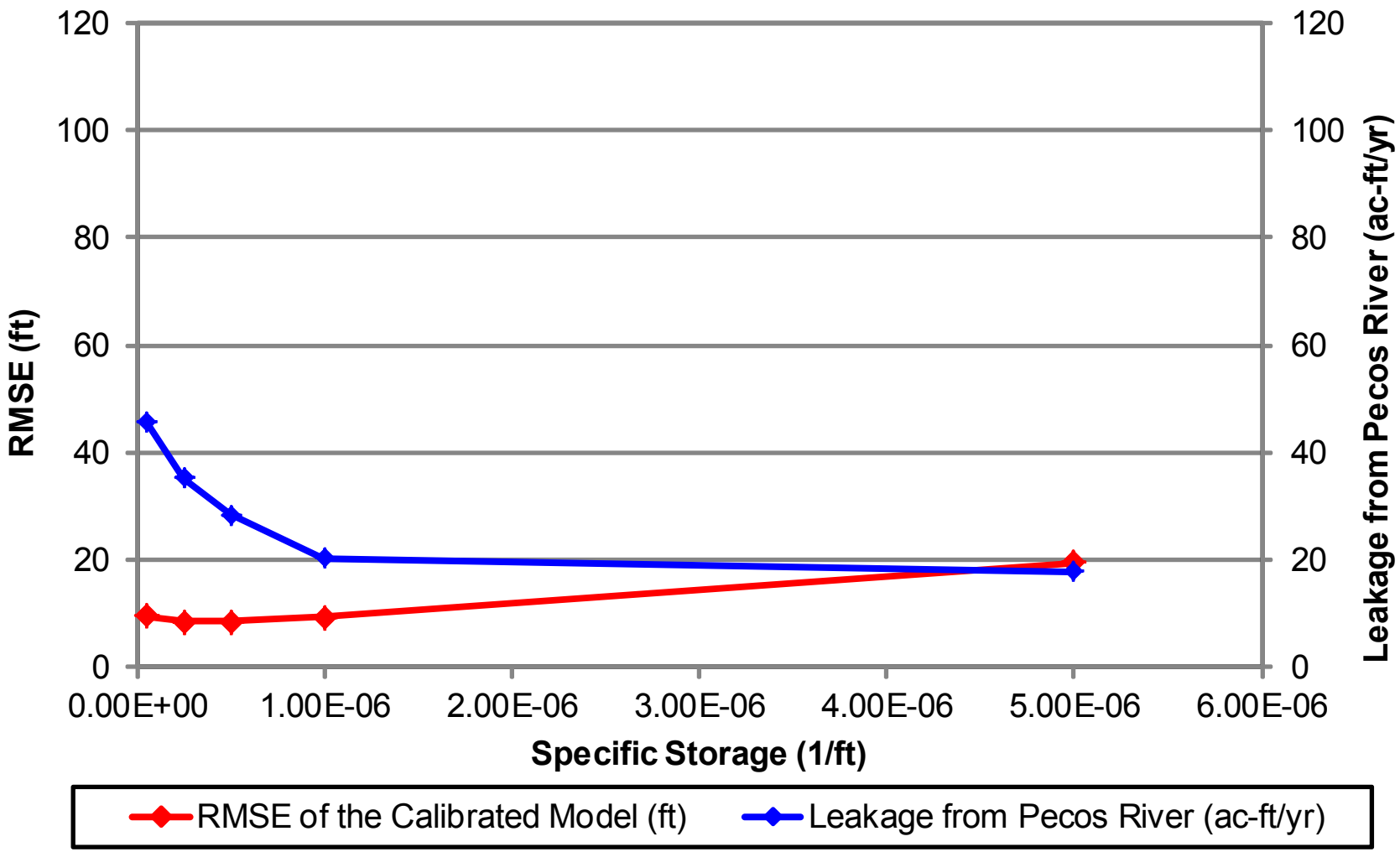

Figure D.18
Specific Storage of Basin North Reach (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

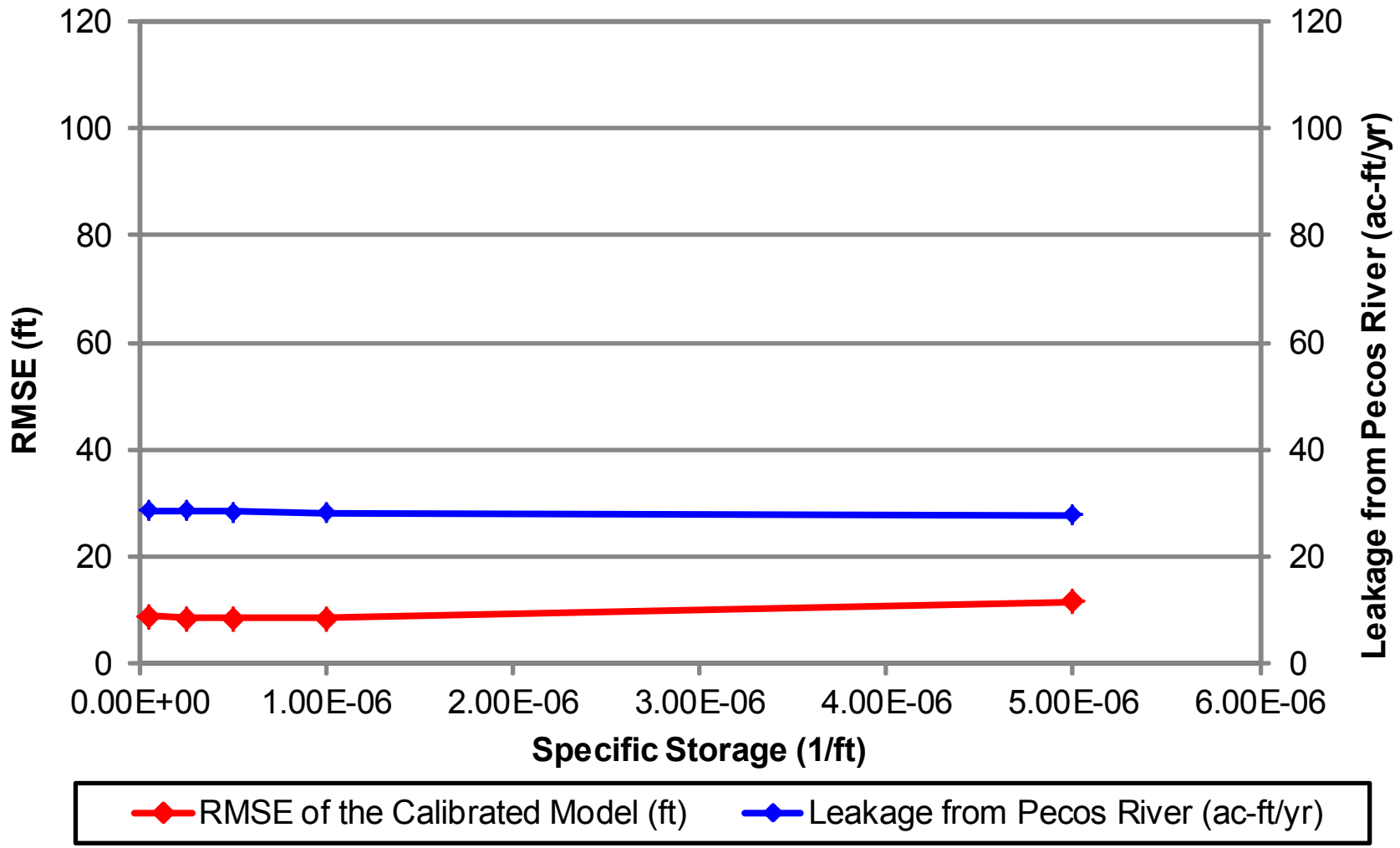

Figure D.19
Specific Storage of Basin South Reach (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

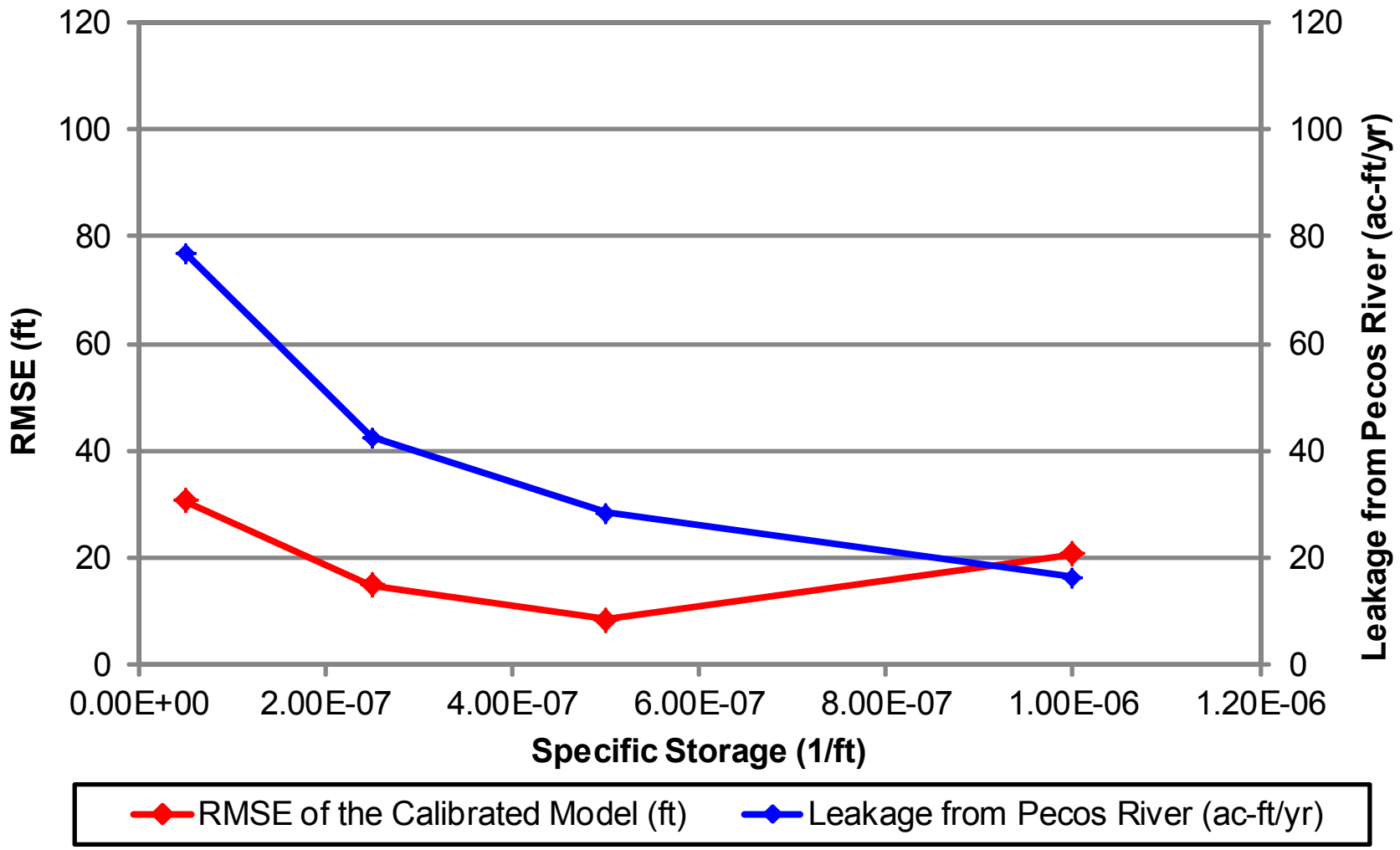

Figure D.20
Specific Storage of All Four Segments (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

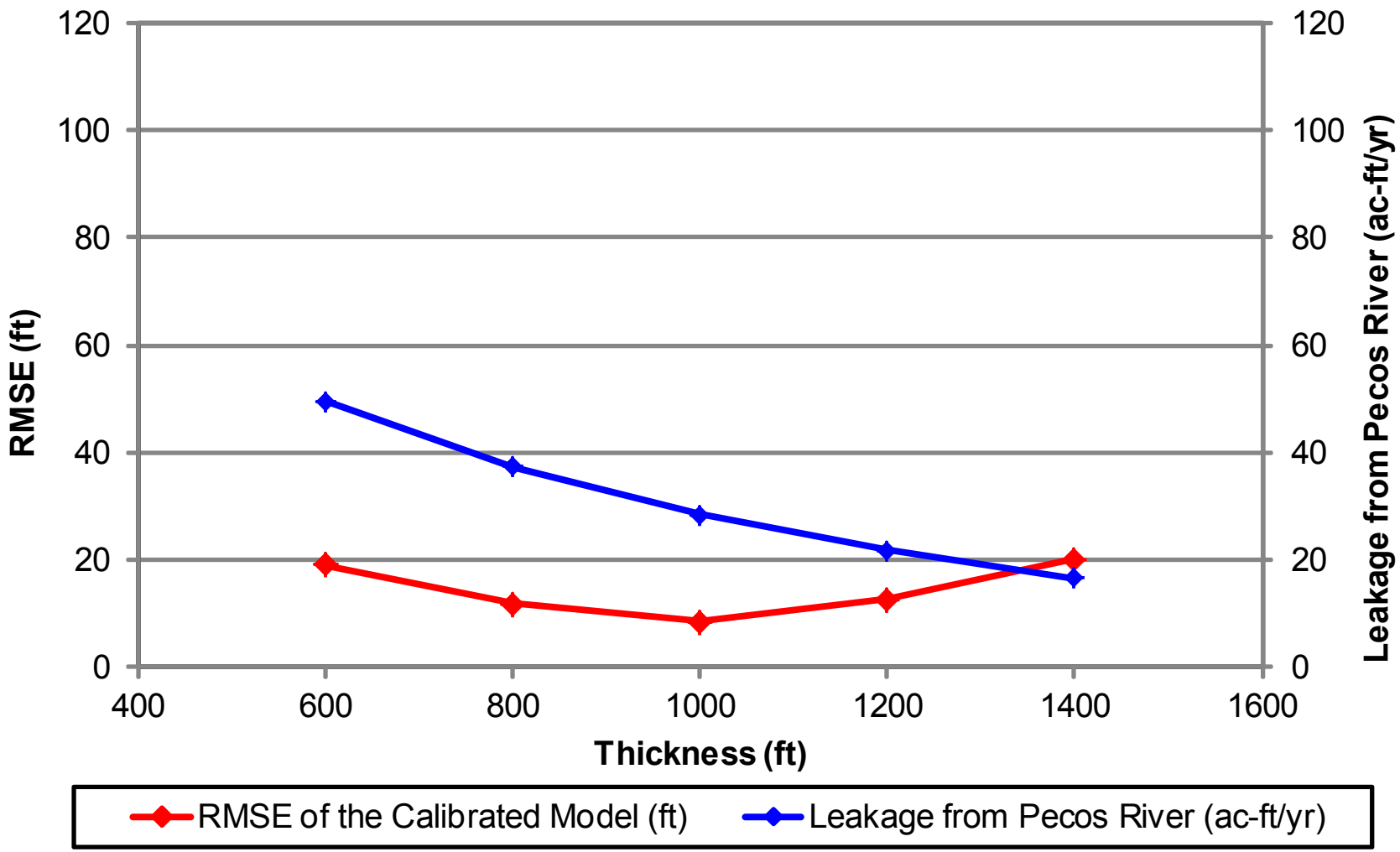

Figure D.21
Thickness of All Four Segments (1D) Sensitivity Analysis
Ochoa Mine
Hydrogeologic Impact Assessment

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