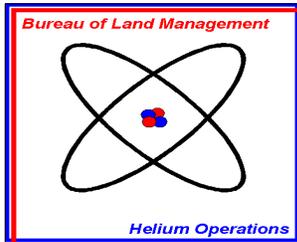


# Bureau of Land Management

## Amarillo Field Office Helium Operations



### Statistical Report for October - 2000



#### Distribution:

Fluid Minerals Group Manager, Washington Office  
New Mexico State Director  
Associate State Director  
Petroleum Engineer  
Field Manager, Amarillo Field Office  
Division Chiefs (3)  
Team Leaders  
-Federal Leased Lands  
-Gas Analysis  
-Resources Evaluation  
-Natural Gas Engineering

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Amarillo, Texas

Issued: January 22, 2001

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Approved for distribution: Nelson R. Bullard /s/

Date: 01/16/2001

**Table 1 - Summary of Helium Operations**

**October - 2000**

<b>In Kind Sales</b>	<b>NASA*</b>	<b>Navy*</b>	<b>Army*</b>	<b>Air Force*</b>	<b>DOE*</b>	<b>Other Fed*</b>	<b>Subtotal*</b>	<b>In Kind</b>	<b>Charges Billed (\$)**</b>
Total month	0	0	0	0	0	0	0	0	\$0
Total FYTD	0	0	0	0	0	0	0	0	\$0
Total CYTD	93,422	1,032	0	23,836	33,987	23,488	175,765	173,044	\$8,565,727

<b>In Kind Transfers</b>	<b>Month</b>	<b>FYTD</b>	<b>CYTD</b>	<b>Cumulative</b>
Transferred	615	615	180,089	482,607
Volume outstanding	50,799			

	<b>Helium-Gas Mixture</b>	<b>Month Helium Percent</b>	<b>Helium</b>	<b>Month Low Purity Helium</b>	<b>FYTD</b>	<b>Month Below 50% Helium</b>	<b>FYTD</b>	<b>FYTD</b>	<b>CYTD Contained Helium</b>	<b>Cumulative</b>
<b>Purchased Helium</b>										
Total purchased										32,176,145
Purchased helium produced / transferred			615					615	180,089	2,467,947
Balance of purchased helium in storage										29,708,198
<b>Private Plant Activity</b>										
Accepted in storage system	94,494	66.44%	62,781	1,172	1,172	(136)	(136)	62,781	720,826	5,969,367
Redelivered from storage system	(242,472)	67.92%	(164,679)	0	0	62	62	(164,679)	(1,501,829)	(5,580,222)
Total apparent crude produced^	221,432	69.09%	152,993					152,993	1,767,295	NA
Total apparent crude refined^	(317,319)	68.76%	(218,191)					(218,191)	(2,189,085)	NA

<b>Storage Contract Activity</b>	<b>Metered Gas</b>					<b>Transferred Gas</b>		<b>Stored Helium</b>	<b>Charges Billed Dollars**</b>	
	<b>Gross Gas</b>	<b>Helium</b>	<b>Helium</b>			<b>Helium</b>		<b>EOM</b>	<b>Month</b>	<b>FYTD</b>
	<b>Month</b>	<b>FYTD</b>	<b>CYTD</b>	<b>Cumulative</b>	<b>Month</b>	<b>Cumulative</b>				
Crude Acquired	94,286	62,645	62,645	719,250	23,348,629	54,962	23,109,378			
Crude Disposed	242,286	164,617	164,617	1,501,561	17,406,244	54,347	22,626,502			
Grade-A Rdlvrd	0	0	0	0	1,427,554	0	0			
Net/Balance	(148,000)	(101,972)	(101,972)	(782,311)	4,514,831	615	482,876	4,303,861	\$356,000	\$356,000

<b>Bush Dome Reservoir Operations</b>	<b>Month</b>		<b>Fiscal Year</b>		<b>Since Start of Conservation Program</b>		<b>Since Field Discovery</b>	
<b>Conservation gases from all sources</b>	<b>Gross</b>	<b>Net</b>	<b>Gross</b>	<b>Net</b>	<b>Gross</b>	<b>Net</b>	<b>Gross</b>	<b>Net</b>
In underground storage, beg. of period	47,205,898	34,063,522	47,205,898	34,063,522	490,620	490,620	0	0
Net Activity	(138,999)	(101,153)	(138,999)	(101,153)	46,576,279	33,471,749	47,066,899	33,962,369
Total in underground storage	47,066,899	33,962,369	47,066,899	33,962,369	47,066,899	33,962,369	47,066,899	33,962,369

<b>Native Gas</b>	<b>Month</b>	<b>Fiscal Year</b>	<b>Since Start of Conservation Program</b>	<b>Since Field Discovery</b>
Total in place, beg. of period	208,993,854	208,993,854	265,724,755	318,727,000
Net Activity	(5,828)			
Total in place, end of month	208,988,026			

<b>Native Gas plus Conservation Gases</b>	<b>Month</b>	<b>Fiscal Year</b>	<b>Since Start of Conservation Program</b>	<b>Since Field Discovery</b>
Total gases in place, beg. of period	256,199,752	256,199,752	266,215,375	318,727,000
Net Activity	(144,827)	(144,827)	(10,160,450)	(62,672,075)
Total gases in place, end of month	256,054,925	256,054,925	256,054,925	256,054,925

<b>Helium Resources Evaluation</b>	<b>Month</b>	<b>FYTD</b>
Revenue Collected from Federal Lease Holds	\$317,570	\$317,570
Helium Sample Collection Report	<b>Submitted</b> 50	<b>Received</b> 50 <b>Analyzed</b> 0

<b>Customer Comment Cards Mailed</b>	<b>Month</b>	<b>FYTD</b>
	0	0

\* Volumes in Mcf at 14.7 psia & 70°F; all other volumes in 14.65 psia & 60°F

\*\*Rounded to nearest dollar

^ Other sources of helium are accessed but data are not available

**Table 5 - Pipeline & Cliffside Field Operations**  
**All Volumes in Mcf at 14.65 psia & 60°F**

**October - 2000**

	1		2		3		4		5		6		7		8	
	Month		Fiscal Year		Fiscal Year		Fiscal Year		Fiscal Year		Since Start of Conservation Program		Since Field Discovery		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<b>Conservation Pipeline</b>																
Beginning of period inventory (1)	17,409	12,186	17,409	12,186	17,409	12,186	17,409	12,186	0	0	0	0	0	0	0	0
Measured to pipeline (2)	239,321	164,040	239,321	164,040	239,321	164,040	239,321	164,040	102,131,708	73,141,058	102,131,708	73,141,058	102,131,708	73,141,058	102,131,708	73,141,058
Measured from pipeline (3)	242,472	164,680	242,472	164,680	242,472	164,680	242,472	164,680	36,412,332	26,162,869	36,412,332	26,162,869	36,412,332	26,162,869	36,412,332	26,162,869
Measured into Bush Dome (4)	0	0	0	0	0	0	0	0	64,353,584	46,235,012	64,353,584	46,235,012	64,353,584	46,235,012	64,353,584	46,235,012
Calculated inventory (1+2-3-4)	14,258	11,546	14,258	11,546	14,258	11,546	14,258	11,546	1,365,792	743,177	1,365,792	743,177	1,365,792	743,177	1,365,792	743,177
End of period inventory	19,795	13,857	19,795	13,857	19,795	13,857	19,795	13,857	19,795	13,857	19,795	13,857	19,795	13,857	19,795	13,857
Line gain or (loss)	5,537	2,311	5,537	2,311	5,537	2,311	5,537	2,311	(1,345,997)	(729,320)	(1,345,997)	(729,320)	(1,345,997)	(729,320)	(1,345,997)	(729,320)
Percent gain (loss) of total measured	1.149%	0.703%	1.149%	0.703%	1.149%	0.703%	1.149%	0.703%	-0.663%	-0.501%	-0.663%	-0.501%	-0.663%	-0.501%	-0.663%	-0.501%
<b>Bush Dome Reservoir Operations</b>																
<b>Conservation gases from all sources</b>																
In underground storage, beg. of period	47,205,898	34,063,522	47,205,898	34,063,522	47,205,898	34,063,522	47,205,898	34,063,522	490,620	490,620	490,620	490,620	0	0	0	0
Injected during period to date	0	0	0	0	0	0	0	0	64,353,855	46,234,973	64,353,855	46,234,973	64,961,755	46,842,873	64,961,755	46,842,873
Withdrawn during period to date	138,999	101,153	138,999	101,153	138,999	101,153	138,999	101,153	17,823,725	12,809,373	17,823,725	12,809,373	17,941,005	12,926,653	17,941,005	12,926,653
Helium from Exell-Soncy	0	0	0	0	0	0	0	0	46,149	46,149	46,149	46,149	46,149	46,149	46,149	46,149
Total in underground storage	47,066,899	33,962,369	47,066,899	33,962,369	47,066,899	33,962,369	47,066,899	33,962,369	47,066,899	33,962,369	47,066,899	33,962,369	47,066,899	33,962,369	47,066,899	33,962,369
<b>Native Gas</b>																
Total in place, beg. of period	208,993,854		208,993,854		208,993,854		208,993,854		265,724,755		265,724,755		318,727,000		318,727,000	
Recoverable in place, beg. of period	199,942,854		199,942,854		199,942,854		199,942,854		256,673,755		256,673,755		309,676,000		309,676,000	
Production during period to date	5,828		5,828		5,828		5,828		56,736,729		56,736,729		109,738,974		109,738,974	
Total in place, end of month	208,988,026		208,988,026		208,988,026		208,988,026		208,988,026		208,988,026		208,988,026		208,988,026	
Recoverable in place, end of month	199,937,026		199,937,026		199,937,026		199,937,026		199,937,026		199,937,026		199,937,026		199,937,026	
<b>Native Gas plus Conservation Gases</b>																
Total gases in place, beg. of period	256,199,752		256,199,752		256,199,752		256,199,752		266,215,375		266,215,375		318,727,000		318,727,000	
Total gases in place, end of month	256,054,925		256,054,925		256,054,925		256,054,925		256,054,925		256,054,925		256,054,925		256,054,925	
Change during period	(144,827)		(144,827)		(144,827)		(144,827)		(10,160,450)		(10,160,450)		(62,672,075)		(62,672,075)	
<b>Ave. reservoir pressure, beg. of period</b>																
Ave. reservoir pressure, beg. of period	672.6		672.6		672.6		672.6		685.0		685.0		814.1		814.1	
<b>Tuck Trigg Reservoir Operations</b>																
<b>Native Gas</b>																
Total in place, beg. of period	5,231,108		5,231,108		5,231,108		5,231,108						5,890,000		5,890,000	
Recoverable in place, beg. of period	4,561,108		4,561,108		4,561,108		4,561,108						5,220,000		5,220,000	
Production during period to date	163		163		163		163						659,055		659,055	
Total in place, end of month	5,230,945		5,230,945		5,230,945		5,230,945						5,230,945		5,230,945	
Recoverable in place, end of month	4,560,945		4,560,945		4,560,945		4,560,945						4,560,945		4,560,945	
<b>Ave. reservoir pressure, beg. of period</b>																
Ave. reservoir pressure, beg. of period	486.7		486.7		486.7		486.7						548.0		548.0	