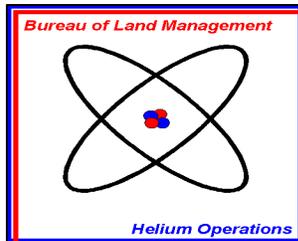


# Bureau of Land Management

## Amarillo Field Office Helium Operations



### Statistical Report for January - 2002



#### *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: June 21, 2002

*\* Revised \**

**\*Tables include COMPANY PROPRIETARY INFORMATION (shaded) and is for internal use only.  
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Approved for distribution: Nelson R. Bullard /s/

Date: 02/26/2002

# Table 1 - Summary of Helium Operations

January - 2002

In Kind Sales	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind	Charges Billed (\$)**
Total month	0	0	0	0	0	0	0	0	\$0
Total FYTD	51,397	467	0	9,224	10,219	8,243	79,551	78,318	\$3,905,993
Total CYTD	0	0	0	0	0	0	0	0	\$0

In Kind Transfers	Month	FYTD	CYTD	Cumulative
Transferred	0	63,764	0	782,254
Volume outstanding	78,318			

Purchased Helium	Helium-Gas Mixture	Month	Helium	Month	FYTD	Month	FYTD	FYTD	CYTD	Cumulative
		Helium Percent		Low Purity Helium	Below 50% Helium	Contained Helium				
Total purchased										32,176,145
Purchased helium produced / transferred			0					63,764	0	2,767,594
Balance of purchased helium in storage										29,408,551
Private Plant Activity										
Accepted in storage system	83,507	67.91%	56,711	1,057	3,255	(198)	(547)	238,471	56,711	6,774,350
Redelivered from storage system	(201,308)	68.95%	(138,803)	0	0	30	126	(659,152)	(138,803)	(8,292,455)
Total apparent crude produced^	192,432	68.02%	130,885					539,739	130,885	NA
Total apparent crude refined^	(265,676)	70.08%	(186,181)					(839,419)	(186,181)	NA

Storage Contract Activity	Metered Gas					Transferred Gas		Stored Helium	Charges Billed Dollars**	
	Gross Gas	Helium	Helium	Helium	Cumulative	Month	Cumulative	EOM	Month	FYTD
	Month	FYTD	CYTD							
Crude Acquired	83,065	56,513	237,924	56,513	24,151,134	56,073	24,077,700			
Crude Disposed	201,308	138,773	659,026	138,773	20,118,174	56,073	23,295,177			
Grade-A Rdlvrd	0	0	0	0	1,427,554	0	0			
Net/Balance	(118,243)	(82,260)	(421,102)	(82,260)	2,605,406	0	782,523	2,694,083	\$304,142	\$703,638

Bush Dome Reservoir Operations	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
	Conservation gases from all sources							
In underground storage, beg. of period	44,590,560	32,157,664	45,066,384	32,502,687	490,620	490,620	0	0
Net Activity	(126,490)	(92,457)	(602,314)	(437,480)	43,973,450	31,574,587	44,464,070	32,065,207
Total in underground storage	44,464,070	32,065,207	44,464,070	32,065,207	44,464,070	32,065,207	44,464,070	32,065,207

Native Gas	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
	Native Gas plus Conservation Gases							
Total in place, beg. of period	208,838,690		208,866,427		265,724,755		318,727,000	
Net Activity	(8,775)							
Total in place, end of month	208,829,915							

Native Gas plus Conservation Gases	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
	Helium Resources Evaluation							
Total gases in place, beg. of period	253,429,250		253,932,811		266,215,375		318,727,000	
Net Activity	(135,265)		(638,826)		(12,921,390)		(65,433,015)	
Total gases in place, end of month	253,293,985		253,293,985		253,293,985		253,293,985	

Helium Resources Evaluation	Month	FYTD
	Revenue Collected from Federal Lease Holds	\$441,297
Helium Sample Collection Report	Submitted 0	Received 0 Analyzed 0
Estimated U.S. Helium Reserves	323,000,000	

Customer Comment Cards Mailed	Month	FYTD
	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**

**January - 2002**

	1		2		3		4		5		6		7		8	
	Month		Fiscal Year		Since Start of Conservation Program		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)	41,382	28,967	39,161	27,413	0	0										
Measured to pipeline (2)	215,297	149,264	972,497	676,353	106,032,476	75,845,180										
Measured from pipeline (3)	201,308	138,804	952,217	659,156	40,343,051	28,875,117										
Measured into Bush Dome (4)	0	0	0	0	64,353,584	46,235,012										
Calculated inventory (1+2-3-4)	55,371	39,427	59,441	44,610	1,335,841	735,051										
End of period inventory	40,690	28,483	40,690	28,483	40,690	28,483										
Line gain or (loss)	(14,681)	(10,944)	(18,751)	(16,127)	(1,295,151)	(706,568)										
Percent gain (loss) of total measured	-3.524%	-3.799%	-0.974%	-1.208%	-0.615%	-0.468%										
<b>Bush Dome Reservoir Operations</b>																
<b>Conservation gases from all sources</b>																
In underground storage, beg. of period	44,590,560	32,157,664	45,066,384	32,502,687	490,620	490,620	0	0								
Injected during period to date	0	0	0	0	64,353,855	46,234,973	64,961,755	46,842,873								
Withdrawn during period to date	126,490	92,457	602,314	437,480	20,426,554	14,706,535	20,543,834	14,823,815								
Helium from Exell-Soncy	0	0	0	0	46,149	46,149	46,149	46,149								
Total in underground storage	44,464,070	32,065,207	44,464,070	32,065,207	44,464,070	32,065,207	44,464,070	32,065,207								
<b>Native Gas</b>																
Total in place, beg. of period	208,838,690		208,866,427		265,724,755		318,727,000									
Recoverable in place, beg. of period	199,787,690		199,815,427		256,673,755		309,676,000									
Production during period to date	8,775		36,512		56,894,840		109,897,085									
Total in place, end of month	208,829,915		208,829,915		208,829,915		208,829,915									
Recoverable in place, end of month	199,778,915		199,778,915		199,778,915		199,778,915									
<b>Native Gas plus Conservation Gases</b>																
Total gases in place, beg. of period	253,429,250		253,932,811		266,215,375		318,727,000									
Total gases in place, end of month	253,293,985		253,293,985		253,293,985		253,293,985									
Change during period	(135,265)		(638,826)		(12,921,390)		(65,433,015)									
<b>Ave. reservoir pressure, beg. of period</b>																
	664.6		666.3		685.0		814.1									
<b>Tuck Trigg Reservoir Operations</b>																
<b>Native Gas</b>																
Total in place, beg. of period	5,206,471		5,206,471				5,890,000									
Recoverable in place, beg. of period	4,536,471		4,536,471				5,220,000									
Production during period to date	0		0				683,529									
Total in place, end of month	5,206,471		5,206,471				5,206,471									
Recoverable in place, end of month	4,536,471		4,536,471				4,536,471									
<b>Ave. reservoir pressure, beg. of period</b>																
	484.4		484.4				548.0									
<b>Natural Gas Sales</b>																
<b>Compressor Operation</b>																
			<b>Totals</b>		<b>Revenue \$</b>		<b>Cumulative</b>									
	<b>Month</b>	<b>FYTD</b>	<b>Month</b>	<b>FYTD</b>	<b>Month</b>	<b>FYTD</b>	12/01/2000									
January - 2002	NGI Mainline Spot Gas Fuel Price	per/MMBTU	\$2.19	----	----	----	----									
	Amount of Fuel used for the month	total MMBTU	2,351.85	10,795.50	----	----	36,709.33									
	Natural Gas Purchased for Fuel	\$dollars	----	----	\$5,150.56	\$24,075.19	\$135,816.26									
	#1 Compressor	hours run	335	1,977	----	----	7,967									
	#2 Compressor	hours run	368	650	----	----	650									
	#3 Compressor	hours run	35	245	----	----	245									