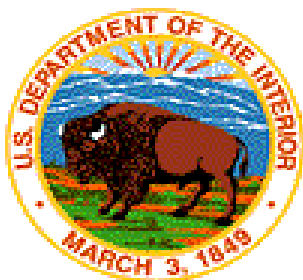


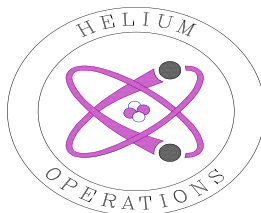
# Bureau of Land Management

## Amarillo Field Office

### Helium Operations



## Statistical Report for November - 2011



#### *Distribution:*

Fluid Minerals Group Manager, Washington Office  
NMSO, New Mexico State Director  
NMSO, Associate State Director  
NMSO, Petroleum Engineer  
Field Manager, Amarillo Field Office  
Assistant Field Managers (3)  
Team Leaders  
-Federal Leased Lands  
-Resources Evaluation & Gas Analysis  
-Division Of Helium Operations, -  
Engineering and Technical Support

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Amarillo, Texas

*Compiled by: Nelson R. Bullard*

Issued: May 1, 2012

*\* Revised \**

**"Please Note: Data in this report is accurate as of print date; however all data is subject to change."**

Approved for Distribution: **Samuel R.M. Burton**

Date: **May 16, 2012**

## Table 1 - Summary of Helium Operations

November - 2011

### Helium Enrichment Unit Operations

#### Gas Processed

	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	665,328	186,078	27.97%	1,363,695	388,078
Helium Product (Mcf*)	233,698	184,924	79.13%	484,929	384,937
Residue Natural Gas (Mcf*)	285,246	0	00.00%	578,798	0

\* Volumes in Mcf at 14.65 psia & 60°F

### Natural Gas & Liquids Produced

#### Gas Processed

	Month	FYTD
Natural Gas Sales (Mcf***)	282,195	573,525
NGL Sales (gallons)	110,157	211,343

\*\*\* Volumes in Mcf at 14.73 psia & 60°F

### Bush Dome Reservoir Operations

#### Conservation gases from all sources

	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Total Withdrawn (Mcf*)	660,490	185,528	28.09%	1,351,706	385,984
Crude Injection (Mcf*)	0	0	00.00%	0	0
Crude Production (Mcf*)	0	0	00.00%	0	0

\* Volumes in Mcf at 14.65 psia & 60°F

### Storage Operations

#### Conservation Helium

	Volume Outstanding	Month	FYTD	CYTD	Cumulative
Conservation Crude Sale Volume Sold/Paid (Mcf*)		150,000	150,000	2,000,000	14,213,600
Conservation Crude Sale Volume Transferred (Mcf*)	150,000	0	525,000	2,025,000	14,063,600
Conservation Helium in Storage (EOM) (Mcf*)		13,200,563			

\* Volumes in Mcf at 14.65 psia & 60°F

#### In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	0	0	122,022	2,716,730
Sale Volumes Outstanding (Mcf*)	42,646			

\* Volumes in Mcf at 14.65 psia & 60°F

### Private Company Helium Storage Contracts

#### Contact Activity

	Month			Annual Helium FYTD
	Gross Volume	Net Helium	Average Percent	
Crude Acquired (Mcf*)	49,977	34,298	68.63%	63,889
Crude Disposed (Mcf*)	286,550	221,443	77.28%	447,276
Net Balance (Mcf*)	(236,573)	(187,145)		(383,387)
Balance of Stored Helium End Of Month (Mcf*)		1,296,138		

\* Volumes in Mcf at 14.65 psia & 60°F

### Revenue / Charges

#### Helium Storage Contracts (Charges Billed (\$))

	Month	FYTD
Storage Fees Billed (\$)	\$403,395	\$410,581
Reservoir Management Fees Billed (\$)	\$243,865	\$580,226

#### Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$59,706)	(\$119,412)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$16,462	\$32,925
Net-Total (Funded by the Refiners for compression costs.)	(\$43,244)	(\$86,487)

#### Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$243,865	\$580,226
Total operating costs	(\$873,328)	(\$1,752,054)
Sub Total - Items provided by BLM	\$370,770	\$746,939
Total - Cliffside Refiners, LP, GDA030001	(\$502,558)	(\$1,005,116)

### Conservation Helium - Natural Gas - Liquid Sales

(Charges Billed (\$))

	Month	FYTD
Conservation Crude Helium Sales	\$11,362,500	\$11,362,500
In Kind Sales	\$0	\$0
Natural Gas & Liquid Sales	\$1,063,379	\$2,244,646

### Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$712,650	\$1,683,403
Helium Sample Collection Report for month	Submitted - 0	Received - 0
	Analyzed - 14	

\*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

November - 2011

		Gross Withdrawal		Net Helium Withdrawal		Nitrogen		Methane		Ethane plus		Other (CO2, Ar, H2)	
		Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative
<b>TOTAL</b>		<b>660,490</b>	<b>195,741,812</b>	<b>185,528</b>	<b>35,640,960</b>	<b>165,592</b>	<b>48,129,776</b>	<b>274,540</b>	<b>100,307,087</b>	<b>29,350</b>	<b>10,041,525</b>	<b>5,480</b>	<b>1,622,464</b>
BIVINS A-3	Nov-11	31,527	10,468,902	17,542	3,292,061	7,892	2,648,825	5,339	4,060,916	550	396,700	205	70,399
BIVINS A-6	Nov-11	73,284	9,225,228	48,730	5,457,900	17,970	2,264,294	5,554	1,338,430	517	127,616	513	36,987
BIVINS A-13	Nov-11	54,092	6,327,847	22,928	3,657,267	13,460	1,640,117	15,556	900,882	1,754	96,786	395	32,794
BIVINS A-14	Nov-11	58,708	6,937,142	28,724	4,465,250	14,625	1,765,904	13,452	608,589	1,443	63,302	463	34,097
BIVINS A-4	Nov-11	30,446	11,683,234	6,521	2,113,619	7,462	2,831,621	14,618	6,034,954	1,556	601,077	289	101,964
BUSH A-2	Nov-11	35,563	10,855,938	5,816	1,669,544	8,978	2,650,003	18,483	5,853,509	2,036	589,210	249	93,672
Injection	Nov-11	0	66,240,889	0	47,846,276	0	17,067,782	0	775,688	0	23	0	551,121
inj Bivins A-3	Nov-11	0	(25,652,315)	0	(18,384,452)	0	(6,554,549)	0	(332,777)	0	0	0	(380,537)
inj Bivins A-6	Nov-11	0	(24,201,365)	0	(17,514,139)	0	(6,437,517)	0	(138,222)	0	(12)	0	(111,475)
inj Bivins A-13	Nov-11	0	(6,490,417)	0	(4,706,191)	0	(1,656,853)	0	(122,391)	0	(2)	0	(4,980)
inj Bivins A-14	Nov-11	0	(6,501,333)	0	(4,767,421)	0	(1,602,106)	0	(126,303)	0	(7)	0	(5,497)
inj Bivins A-4	Nov-11	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Nov-11	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Nov-11	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Nov-11	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Nov-11	22,270	12,922,397	1,195	1,835,984	5,288	3,175,995	14,104	7,100,873	1,475	703,659	208	105,886
BIVINS A-5	Nov-11	42,743	14,529,150	9,757	1,751,338	10,915	3,548,126	19,626	8,276,470	2,119	826,136	326	127,081
BIVINS A-7	Nov-11	33,909	10,640,752	11,123	2,413,684	8,841	2,670,220	12,338	4,976,352	1,384	502,484	224	78,012
BIVINS A-9	Nov-11	21,662	9,356,367	453	175,863	5,595	2,288,795	13,965	6,183,484	1,478	621,763	171	86,461
BIVINS A-11	Nov-11	22,325	5,357,495	607	107,874	5,709	1,324,841	14,291	3,515,359	1,513	358,850	205	50,572
BIVINS A-15	Nov-11	24,260	8,276,254	439	403,447	5,723	1,975,047	16,160	5,287,244	1,655	527,242	284	83,273
BIVINS B-1	Nov-11	22,463	6,512,845	727	262,110	5,507	1,575,920	14,496	4,185,965	1,499	425,039	234	63,810
BIVINS B-2	Nov-11	27,668	5,216,429	526	98,019	7,064	1,299,841	17,755	3,401,255	1,867	348,206	457	69,107
BUSH A-1	Nov-11	0	5,721,962	0	104,140	0	1,356,677	0	3,830,281	0	374,216	0	56,647
BUSH A-3	Nov-11	16,015	10,431,711	6,898	2,237,375	4,204	2,566,740	4,281	5,031,948	481	503,733	151	91,915
BUSH A-4	Nov-11	32,721	7,573,907	6,310	1,427,253	8,391	1,888,601	16,068	3,816,147	1,756	386,036	197	55,869
BUSH A-5	Nov-11	50,110	14,316,178	15,174	3,148,411	12,815	3,584,093	19,657	6,798,554	2,174	683,334	291	101,786
BUSH A-8	Nov-11	14,317	3,435,608	268	62,918	3,546	826,559	9,320	2,277,145	967	228,468	216	40,518
BUSH A-9	Nov-11	15,311	3,694,137	818	96,225	3,937	888,462	9,447	2,433,955	1,028	242,066	82	33,430
BUSH A-11	Nov-11	22,234	4,025,732	722	119,403	5,362	962,507	14,384	2,631,786	1,489	266,708	276	45,328
BUSH B-1	Nov-11	29	3,187,375	1	59,867	7	756,048	19	2,130,754	2	209,451	0	31,255
FUQUA A-1	Nov-11	21	2,954,094	0	53,854	5	702,797	14	1,975,172	1	193,572	0	28,699
FUQUA A-2	Nov-11	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Nov-11	8,810	9,272,402	250	576,255	2,296	2,269,424	5,613	5,770,188	608	581,527	42	75,008
TT Fuel	Nov-11	29	0	1	0	7	0	19	0	2	0	0	0
field-wide pcts				28.09%	18.21%	25.07%	24.59%	41.57%	51.24%	4.44%	5.13%	0.83%	0.83%

Latest estimates of reserves and feed to HEU

Based on NITEC's 2003 reserves study  
from NITEC's interim report

As of EOM Nov-11 Volumes in BCF

Initial Gas In Place	330.040	
Produced 1924 to 1961	48.830	
Injected 1924 to 1961	0.450	
Remaining Gas In Place 1961	281.660	
Left Behind Pipe, 1961	82.060	====> 1.500 BCF of contained helium
Remaining in Place, 1961	199.600	

Gas In Place 1961	199.600	
Produced 1961 to July 2002	82.450	
Injected 1961 to July 2002	64.510	Net Helium
Remaining Gas In Place July 2002	181.660	33.997
Produced July 2002 through Dec 2002	1.096	0.743
Production 2003 - 10	56.328	15.284
Injection 2003 - 10	(1.189)	(0.985)
Produced to Date 2011	7.035	2.010
Injected to Date 2011	0.000	0.000
Amount of Raw Gas Available to CHEU	118.390	====> 16.946 total helium in reservoir
Estimated Bottom Hole Pressure	435.892	est z-factor 0.980

\* All volumes on Table 2 are reported in Mcf at 14.65 psia &amp; 60°F

## Table 3 - Gas Volumes & Inventory

November - 2011

### Crude Helium Enrichment Unit Operations

		Gross Withdrawal		Net Helium Withdrawal		Nitrogen		Methane		Ethane plus		Other (CO2, Ar, H2)	
		Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative
Measured Feed	Nov-11	665,328	60,903,250	186,078	15,639,055	166,707	15,291,001	277,522	26,622,936	29,495	2,836,819	5,526	513,438
Calculated Feed	Nov-11	660,460	60,563,726	185,528	15,631,261	165,585	15,207,342	274,520	26,392,700	29,348	2,821,366	5,480	511,057
Feed to Box	Nov-11	656,676	60,207,313	185,528	15,631,440	165,585	15,207,424	274,520	26,392,746	29,348	2,821,373	1,695	154,331
Cheu Product	Nov-11	233,698	19,625,551	184,924	15,426,785	42,520	3,681,096	4,604	380,888	0	394	1,650	136,388
Residue	Nov-11	285,246	26,596,660	0	1,476	7,240	667,750	253,370	23,576,932	24,636	2,349,271	0	1,231
Cold Box Vent	Nov-11	105,694	10,432,041	21	84,377	97,603	9,168,942	8,066	1,118,329	(0)	136	3	60,256
Flare/Boot Strap	Nov-11	105,694	1,493,465	21	45,457	97,603	928,556	8,066	420,716	(0)	93,495	3	5,241
Fuel From Cheu	Nov-11	8,102	837,681	0	245	275	25,125	6,556	679,242	1,270	133,069	0	0
Shrinkage/Loss	Nov-11	3,278	235,751	0	0	0	0	0	0	3,278	235,751	0	0
Unaccounted*	Nov-11	16,992	1,585,653	513	67,156	15,869	1,317,964	568	197,263	0	1,084	42	2,186

\*Before October 2004, the values are estimated

### Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	13,203,406	1,483,283
net acceptances +	0	0
redeliveries	0	(187,145)
In Kind Transfers	0	0
Conservation Crude Sales	0	0
Gain/loss	(2,844)	
Ending Inventory	13,200,563	1,296,138
Total Helium in Reservoir	16,945,728	
Total Helium in Storage	14,496,701	
Helium in native gas	2,449,028	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	41,219	32,008	77.65%
Measured to Pipeline (Private Plants)	49,977	34,320	68.67%
Measured from Pipeline (Private Plant:	286,550	221,443	77.28%
HEU Production	233,698	184,924	79.13%
Injection	0	0	00.00%
Production	0	0	
Ending Inventory	34,891	26,965	77.28%
Gain/Loss	(3,453)	(2,844)	

### Tuck Trigg Reservoir Operations

Native Gas (Gross)	Since Field		
	Month	Fiscal Year	Discovery
Total in place, beg. of period	5,198,688	5,198,688	5,890,000
Recoverable in place, beg. of period	4,528,688	4,528,688	5,220,000
Production during period to date	0	0	691,312
Total in place, end of month	5,198,688	5,198,688	5,198,688
Recoverable in place, end of month	4,528,688	4,528,688	4,528,688

\* All volumes on Table 3 are reported in Mcf at 14.65 psia & 60°F

Table 4 - In Kind Helium Sales

November - 2011

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$) **
<b>In Kind Helium</b>									
<b>AirGas South West, Contract no. INC98-0101</b>									(billed quarterly)
Month									
FYTD									
<b>AirGas North Central, Contract no. INC98-0102</b>									
Month									
FYTD									
<b>AirGas Intermountain, Contract no. INC98-0103</b>									
Month									
FYTD									
<b>Air Liquide Helium America, Inc., Contract no. INC98-0104</b>									
Month									
FYTD									
<b>Air Products, L.P., Contract no. INC98-0105</b>									
Month									
FYTD									
<b>Linde Gas North America, LLC, Contract no. INC98-0106</b>									
Month									
FYTD									
<b>Corp Brothers, Inc., Contract no. INC98-0107</b>									
Month									
FYTD									
<b>FIBA Technologies, Inc., Contract no. INC98-0108</b>									
Month									
FYTD									
<b>General Air Service &amp; Supply Co., Contract no. INC98-0109</b>									
Month									
FYTD									
<b>Jack B. Kelley Co., Contract no. INC98-0110</b>									
Month									
FYTD									
<b>Portland Welding Supply, Contract no. INC98-0111</b>									
Month									
FYTD									
<b>Praxair, Inc., Contract no. INC98-0112</b>									
Month									
FYTD									
<b>United States Welding, Inc., Contract no. INC98-0113</b>									
Month									
FYTD									
<b>Matheson Tri-Gas, Inc., Contract no. INC98-0114</b>									
Month									
FYTD									
<b>GT &amp; S, Contract no. INC00-0115</b>									
Month									
FYTD									
<b>Total month</b>	0	0	0	0	0	0	0	0	\$0
<b>Total FYTD</b>	0	0	0	0	0	0	0	0	\$0
<b>Total CYTD</b>	63,885	7,841	34	162	15,819	38,076	125,816	123,871	\$8,020,647
<b>Cumulative</b>	1,627,070	85,906	264	270,545	372,487	446,472	2,802,745	2,759,301	\$151,139,507
<b>In Kind Transfers</b>							Month	FYTD	CYTD Cumulative
Transferred							0	0	122,022 2,716,730
Volume outstanding							42,646		

\* Volumes in Mcf at 14.7 psia &amp; 70°F

+ Volumes in Mcf at 14.65 psia &amp; 60°F

\*\*Rounded to nearest dollar

Table 5 - Conservation Crude Sales/Reserve Sell-down

November - 2011

## Helium &amp; Natural Gas Sales

		Award Volume*	Outstanding*	Sales*	Charges Billed (\$)*** (billed quarterly)	
Conservation Helium						
<u>Air Liquide Helium America, Inc.</u>						
Month	0	0	0	0		\$0
FYTD	0	0	0	0		\$0
Cumulative	264,250			264,250		\$18,302,250
<u>Air Products, L.P.</u>						
Month	0	0	0	0		\$0
FYTD	100,000	100,000		0		\$0
Cumulative	5,749,400			5,649,400		\$348,906,750
<u>Linde Gas North America, LLC</u>						
Month	0	0	0	0		\$0
FYTD	200,000	200,000		0		\$0
Cumulative	4,521,750			4,321,750		\$255,535,000
<u>Keyes Helium Co., LLC</u>						
Month	0	0	0	0		\$0
FYTD	0	0	0	0		\$0
Cumulative	703,200			703,200		\$42,052,400
<u>Matheson Tri-Gas, Inc.</u>						
Month	0	0	0	0		\$0
FYTD	0	0	0	0		\$0
Cumulative	10,000			10,000		\$587,500
<u>Praxair, Inc.</u>						
Month	0	(150,000)	150,000	150,000		\$11,362,500
FYTD	225,000	75,000	150,000	150,000		\$11,362,500
Cumulative	3,140,000		3,065,000	3,065,000		\$191,121,250
<u>Linde Gas, LLC discontinued 10 2008</u>						
Month	0	0	0	0		\$0
FYTD	0	0	0	0		\$0
Cumulative	200,000			200,000		\$11,035,000
Total month	0	(150,000)	150,000	150,000		\$11,362,500
Total FYTD	525,000	375,000	150,000	150,000		\$11,362,500
Total CYTD	2,375,000		2,000,000	2,000,000		\$150,112,500
Cumulative	14,588,600		14,213,600	14,213,600		\$867,540,150
Conservation Crude Transfers			Month	FYTD	CYTD	Cumulative
Transferred			0	525,000	2,025,000	14,063,600
Volume outstanding			150,000			

\* Volumes in Mcf at 14.65 psia &amp; 60°F

## Natural Gas/Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	Avg Btu Value	Charges Billed (\$)***
<b><u>El Paso Natural Gas</u></b>					
		Provides Measured Firm/Interruptible Transportation Services			(billed monthly)
Month	282,195	---	308,606	1,094	(\$30,149)
FYTD	573,525	---	627,420	1,094	(\$59,304)
Cumulative	26,042,243	---	28,627,801	1,099	(\$2,938,410)
<b><u>Minerals Management Service</u></b>					
Cumulative	---	---	---	---	(\$179,913)
<b><u>Tenaska</u></b>					
		Purchaser - Natural Gas		\$/Unit	
Month	---	---	303,082	\$3.069345	\$930,263
FYTD	---	---	624,949	\$3.188956	\$1,992,935
Cumulative	---	---	28,455,498	\$5.375938	\$152,148,438
<b><u>Sandstone</u></b>					
		Purchaser - Natural Gas Liquids			
Month	---	110,157	11,676	\$13.982961	\$163,265
FYTD	---	211,343	22,410	\$13.878364	\$311,014
Cumulative	---	7,231,140	771,914	\$12.171401	\$9,395,275
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$/Per Unit (\$\$/Dth)	Total (\$\$)
<b>Total month</b>	282,195	110,157	314,758	\$3.378403	<b>\$1,063,379</b>
<b>Total FYTD</b>	573,525	211,343	647,359	\$3.467389	<b>\$2,244,646</b>
<b>Total CYTD</b>	2,926,689	1,015,612	3,299,216	\$4.124293	<b>\$13,606,933</b>
<b>Cumulative</b>	26,042,243	7,231,140	29,227,412	\$5.448718	<b>\$158,425,389</b>

\*\*\* Volumes in Mcf at 14.73 psia &amp; 60°F

\*\*Rounded to nearest dollar

## Table 6 - Helium Resources Evaluation

November - 2011

All Volumes in Mcf at 14.7 psia & 70°F

<b>Revenue Collected From Federal Leaseholds</b>	Month*	FYTD*
Fee Sales & Royalties	\$735,896	\$1,638,518
Natural Gas Royalties (1)	\$784	\$1,969
Natural Gas Rentals	\$0	\$0
Other	\$42,916	\$109,861
Revenue Collected from Federal Lease Holds	\$712,650	\$1,683,403

\*Totals do not sum

<b>Helium Analysis and Evaluation</b>	Month	FYTD
Number of Sample Request Letters Sent	0	0
Number of Samples Received	0	0
Number of Samples Analyzed	0	1
Total Number of Samples Analyzed For Resources Division	5	14
Total Number of Other Samples Analyzed (2)	14	35

### U. S. Helium Production

<i>Domestic</i>	FY Volume		CY Volume
2005 Helium Sold	4,675,800		4,692,699
2006 Helium Sold	4,995,800		4,944,544
2007 Helium Sold	4,995,600		4,965,176
2008 Helium Sold	4,771,200		4,668,286
2009 Helium Sold	4,325,600		4,238,415
2010 Helium Sold	4,559,100		4,644,278
2011 Helium Sold	4,691,100		4,768,537
Estimated Helium Resources as of 12/31/2006 (Mcf)			732,000,000

	FY-2011	CY-2011
<b>U.S. Helium Exports</b> (3)	2,966,225	3,027,731

(1) Includes drip gas sales & other miscellaneous gas sales.

(2) Includes pipeline, field survey, and other requested analyses.

(3) Data from Department of Commerce - Bureau of the Census.

# Table 7 - Helium Storage Contract Activity

November - 2011

All Volumes in Mcf at 14.65 psia & 60°F

	Metered Gas						Transferred Gas		Stored Helium EOM	Charges Billed (\$)**	
	Gross Gas	Helium %	Helium	Helium			Helium			Month	FYTD
	Month			FYTD	CYTD	Cumulative	Month	Cumulative			
Total All Contracts*											
Crude Acquired	49,977	68.6%	34,298	63,889	356,051	29,979,942	46,186	46,300,086			
Crude Disposed	286,550	77.3%	221,443	447,276	2,335,228	43,343,003	46,186	30,162,169		\$403,395	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718				<u>\$243,865</u>	RMF Fees
Net/Balance	(236,573)		(187,145)	(383,387)	(1,979,177)	(14,841,779)	0	16,137,917	1,296,138	\$647,260	\$990,807
Total Prior Contracts (TERMINATED)											
Crude Acquired				0	0	17,406,129	0	18,196,898			
Crude Disposed				0	0	11,830,863	0	19,148,768			
Grade-A Rdlvrd				0	0	1,478,718					
Number of trailers				0	0	9,834			0		
Linde Gas North America, LLC, Contract no. 1995-3249											
Crude Acquired											
Crude Disposed											
Net/Balance											
Praxair, Inc., Contract no. 1995-3251											
Crude Acquired											
Crude Disposed											
Net/Balance											
Air Products, L.P., Contract no. 1995-3256											
Crude Acquired											
Crude Disposed											
Net/Balance											
ExxonMobil Gas Marketing Co., Contract no. 1995-3280											
Crude Acquired											
Crude Disposed											
Net/Balance											
Pioneer Natural Resources USA, Inc, Contract no. 1995-3286											
Crude Acquired											
Crude Disposed											
Net/Balance											
Keyes Helium Co., LLC, Contract no. 1995-3287											
Crude Acquired											
Crude Disposed											
Net/Balance											
Air Liquide Helium America, Inc., Contract no. 2003-3284											
Crude Acquired											
Crude Disposed											
Net/Balance											
Matheson Tri-Gas, Inc., Contract no. 2007-3288											
Crude Acquired											
Crude Disposed											
Net/Balance											
Airgas Merchant Gases, Contract no. 2009-3290											
Crude Acquired											
Crude Disposed											
Net/Balance											

## Government Helium

Remaining Crude Acquired beginning of the month	13,203,406
Crude Disposed: In Kind Sales transferred for the month	0
Conservation Crude Sales/Reserve Sell Down transferred (month)	0
Gains and Losses for the month	(2,844)
Net/Balance of Purchased Helium Remaining for Sale	13,200,563

\*Includes In Kind and Conservation Crude transfers from Government storage

\*\*Rounded to nearest dollar



Table 8 - Compression & CHEU (Charges & Operations) November - 2011

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$3.07	\$3.44	\$5.46
Fuel used * (now includes field compression well head)	total MMBTU	9,901	19,971	1,177,919
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$17,760	\$38,256	\$3,442,741
CHEU Process Fuel Cost *	\$dollars	\$11,070	\$22,023	\$2,319,616
Rental compressor(s) fuel consumed (well head)	\$dollars	\$1,566	\$3,348	\$5,434
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$2,500	\$5,076	\$7,227
Rental compressor(s) helium in fuel (Mcf)	Mcf	33	67	96
#1 Compressor run time *	hours	709	1,453	68,827
#2 Compressor run time *	hours	0	2	47,050
#3 Compressor run time *	hours	706	1,449	33,856

\* Field/CHEU Compressor Operations based on Nov 11 activity

Field Compressor Charges	Charges Billed (\$)*		
Linde Gas North America, LLC, Contract no. 1995-3249			
Praxair, Inc., Contract no. 1995-3251			
Air Products, L.P., Contract no. 1995-3256			
Keyes Helium Co., LLC, Contract no. 1995-3287			
SubTotal - Cliffside Refiners, LP (provides booster compression services)	(\$59,706)	(\$119,412)	(\$8,529,901)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$16,462	\$32,925	\$2,121,717
Net Total - Cliffside Refiners, LP	(\$43,244)	(\$86,487)	(\$6,408,184)

\* BLM provided fuel cost is based on Oct 11 fuel consumed

**\*Rounded to nearest dollar**

Crude Helium Enrichment Unit (CHEU) CHEU Runtime	Month		FYTD		Cumulative
	Runtime Hrs	Percent	Runtime Hrs	Percent	Runtime Hrs
Processing feed gas	713	99.0%	1,457	99.5%	71,470
Producing residue gas	708	98.4%	1,452	99.2%	70,702
Producing helium product	708	98.3%	1,452	99.2%	67,801
Producing natural gas liquids	708	98.4%	1,452	99.2%	66,336

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$243,865	\$580,226	\$20,607,226
Total operating costs	(\$873,328)	(\$1,752,054)	(\$88,749,088)
Labor	\$116,095	\$232,191	\$7,995,308
Compressor fuel cost Oct 11	\$20,496	\$41,365	\$3,475,796
HEU fuel cost Oct 11	\$10,953	\$22,728	\$2,353,373
Electrical power cost Sep 11	\$141,881	\$288,283	\$13,290,493
Other	\$81,345	\$162,372	\$8,739,425
Sub Total - Items provided by BLM	\$370,770	\$746,939	\$39,063,749
Total - Cliffside Refiners, LP, GDA030001	(\$502,558)	(\$1,005,116)	(\$49,685,339)

**\*Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Nov 11	3,123	5,994	377,329
Cheu Pure Water Usage (gallons) Nov 11	775	1,147	244,632
Electricity Metered (Kwh) consumed Sep 11	2,820,158	5,982,030	238,324,352