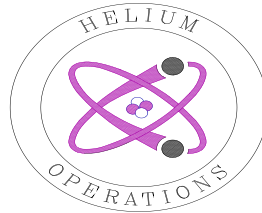
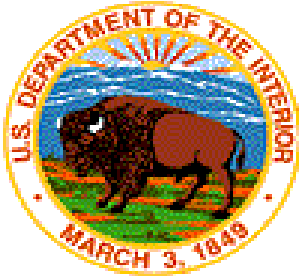


# Bureau of Land Management

## Amarillo Field Office Helium Operations

### Statistical Report for September - 2012



#### *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: June 13, 2013

**\* 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: November 27, 2012

## Table 1 - Summary of Helium Operations

September - 2012

### Helium Enrichment Unit Operations

#### Gas Processed

	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	701,121	183,013	26.10%	8,050,023	2,170,948
Helium Product (Mcf*)	229,729	181,067	78.82%	2,729,577	2,156,918
Residue Natural Gas (Mcf*)	316,977	0	00.00%	3,501,776	1

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

### Natural Gas & Liquids Produced

#### Gas Processed

	Month	FYTD
Natural Gas Sales (Mcf****)	312,642	3,470,324
NGL Sales (gallons)	113,505	1,257,153

\*\*\* 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Total Withdrawn (Mcf*)	697,082	181,509	26.04%	8,041,908	2,170,979
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*)		525,000	2,100,000	1,575,000	16,163,600
Conservation Crude Sale Volume Transferred (Mcf*)	525,000	0	2,100,000	1,500,000	15,638,600
Conservation Helium in Storage (EOM) (Mcf*)		11,444,592			

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

#### In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	104	153,397	111,271	2,870,127
Sale Volumes Outstanding (Mcf*)	47,431			

\* 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*)	43,855	28,615	65.25%	362,944
Crude Disposed (Mcf*)	281,986	215,293	76.35%	2,493,950
Net Balance (Mcf*)	(238,131)	(186,678)		(2,131,006)
Balance of Stored Helium End Of Month (Mcf*)		1,276,916		

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

### Revenue / Charges

#### Helium Storage Contracts

(Charges Billed (\$))

	Month	FYTD
Storage Fees Billed (\$)	\$2,989	\$3,833,150
Reservoir Management Fees Billed (\$)	\$233,565	\$2,808,272

#### Field Compressor Charges

(Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$59,706)	(\$716,471)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$16,462	\$197,548
Net-Total (Funded by the Refiners for compression costs.)	(\$43,244)	(\$518,923)

#### Enrichment Unit Charges

(Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$233,565	\$2,808,272
Total operating costs	(\$839,244)	(\$10,231,576)
Sub Total - Items provided by BLM	\$336,686	\$4,200,881
Total - Cliffside Refiners, LP, GDA030001	(\$502,558)	(\$6,030,695)

### Conservation Helium - Natural Gas - Liquid Sales

(Charges Billed (\$))

	Month	FYTD
Conservation Crude Helium Sales	\$39,768,750	\$159,075,000
In Kind Sales	\$3,075,618	\$10,332,184
Natural Gas & Liquid Sales	\$991,377	\$10,905,583

### Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$1,811	\$10,405,829
Helium Sample Collection Report for month	Submitted - 0	Received - 0
	Analyzed - 20	

\*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

September - 2012

		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>697,082</b>	<b>202,432,014</b>	<b>181,509</b>	<b>37,425,954</b>	<b>174,615</b>	<b>49,805,734</b>	<b>302,615</b>	<b>103,172,120</b>	<b>32,420</b>	<b>10,348,929</b>	<b>5,923</b>	<b>1,679,277</b>
BIVINS A-3	Sep-12	31,936	10,753,712	16,615	3,445,061	7,976	2,720,094	6,444	4,113,989	690	402,309	211	72,260
BIVINS A-6	Sep-12	67,377	9,879,732	42,538	5,880,992	16,804	2,426,144	6,887	1,397,530	666	133,404	483	41,663
BIVINS A-13	Sep-12	49,435	6,775,563	19,501	3,840,312	12,294	1,751,525	15,529	1,035,599	1,746	112,026	365	36,102
BIVINS A-14	Sep-12	54,387	7,454,050	24,670	4,708,601	13,542	1,894,693	14,210	735,544	1,529	77,006	436	38,206
BIVINS A-4	Sep-12	41,274	12,089,712	7,809	2,195,201	10,061	2,930,870	20,800	6,235,421	2,207	622,375	398	105,845
BUSH A-2	Sep-12	52,500	11,281,947	7,785	1,734,452	13,233	2,757,533	28,021	6,079,086	3,093	614,226	368	96,650
Injection	Sep-12	0	66,240,889	0	47,846,276	0	17,067,782	0	775,688	0	23	0	551,121
inj Bivins A-3	Sep-12	0	(25,652,315)	0	(18,384,452)	0	(6,554,549)	0	(332,777)	0	0	0	(380,537)
inj Bivins A-6	Sep-12	0	(24,201,365)	0	(17,514,139)	0	(6,437,517)	0	(138,222)	0	(12)	0	(111,475)
inj Bivins A-13	Sep-12	0	(6,490,417)	0	(4,706,191)	0	(1,656,853)	0	(122,391)	0	(2)	0	(4,980)
inj Bivins A-14	Sep-12	0	(6,501,333)	0	(4,767,421)	0	(1,602,106)	0	(126,303)	0	(7)	0	(5,497)
inj Bivins A-4	Sep-12	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Sep-12	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Sep-12	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Sep-12	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Sep-12	28,644	13,195,026	1,432	1,849,945	6,770	3,240,569	18,258	7,274,278	1,911	721,776	272	108,457
BIVINS A-5	Sep-12	39,064	14,915,755	8,024	1,834,618	9,962	3,646,752	18,743	8,458,435	2,034	845,902	301	130,048
BIVINS A-7	Sep-12	30,484	10,962,213	9,859	2,518,668	7,943	2,754,014	11,223	5,093,770	1,256	515,620	203	80,140
BIVINS A-9	Sep-12	15,717	9,517,852	328	179,231	4,073	2,330,599	10,119	6,287,515	1,071	632,765	125	87,742
BIVINS A-11	Sep-12	25,255	5,613,053	705	114,913	6,478	1,390,322	16,128	3,678,707	1,711	376,184	233	52,927
BIVINS A-15	Sep-12	28,361	8,560,759	505	408,557	6,710	2,042,280	18,879	5,476,663	1,935	546,655	332	86,604
BIVINS B-1	Sep-12	29,796	6,772,219	844	269,814	7,308	1,639,542	19,325	4,353,910	2,002	442,420	316	66,533
BIVINS B-2	Sep-12	30,000	5,486,065	571	103,151	7,682	1,368,809	19,232	3,574,167	2,018	366,366	498	73,571
BUSH A-1	Sep-12	0	5,721,962	0	104,140	0	1,356,677	0	3,830,281	0	374,216	0	56,647
BUSH A-3	Sep-12	42,192	10,850,592	17,045	2,413,325	10,801	2,674,036	12,588	5,150,618	1,409	517,242	349	95,372
BUSH A-4	Sep-12	28,281	7,873,218	4,807	1,481,653	7,248	1,965,235	14,491	3,966,449	1,569	402,195	167	57,686
BUSH A-5	Sep-12	55,504	14,840,412	17,017	3,308,302	14,190	3,718,000	21,583	7,002,855	2,392	706,279	322	104,975
BUSH A-8	Sep-12	16,501	3,618,876	305	66,347	4,105	872,080	10,724	2,396,286	1,114	240,854	253	43,309
BUSH A-9	Sep-12	12,622	3,805,169	657	102,114	3,173	916,679	7,853	2,502,707	875	249,661	65	34,008
BUSH A-11	Sep-12	17,736	4,197,308	491	124,481	4,259	1,003,779	11,567	2,743,356	1,191	278,190	227	47,503
BUSH B-1	Sep-12	0	3,190,210	0	59,919	0	756,734	0	2,132,627	0	209,651	0	31,278
FUQUA A-1	Sep-12	0	2,954,094	0	53,854	0	702,797	0	1,975,172	0	193,572	0	28,699
FUQUA A-2	Sep-12	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Sep-12	15	9,303,787	0	577,003	4	2,277,656	10	5,790,281	1	583,693	0	75,155
TT Fuel	Sep-12	0	0	0	0	0	0	0	0	0	0	0	0
field-wide pcts				26.04%	18.49%	25.05%	24.60%	43.41%	50.97%	4.65%	5.11%	0.85%	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 Sep-12 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 - 11	64.030	17.490
Injection 2003 - 11	(1.189)	(0.985)
Produced to Date 2012	6.023	1.588
Injected to Date 2012	(0.000)	(0.000)
Amount of Raw Gas Available to CHEU	111.700	====> 15.161 total helium in reservoir
Estimated Bottom Hole Pressure	411.279	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

September - 2012

## 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	Sep-12	701,121	67,589,578	183,013	17,421,925	175,350	16,966,221	304,448	29,490,253	32,359	3,141,088	5,950	570,091
Calculated Feed	Sep-12	695,283	67,256,465	181,415	17,419,139	174,163	16,883,853	301,496	29,256,899	32,296	3,128,661	5,914	567,914
Feed to Box	Sep-12	691,046	66,859,749	181,415	17,419,317	174,163	16,883,935	301,496	29,256,945	32,296	3,128,668	1,677	170,884
Cheu Product	Sep-12	229,729	21,870,200	181,067	17,198,766	42,605	4,094,575	4,428	424,141	0	396	1,629	152,321
Residue	Sep-12	316,977	29,519,638	0	1,477	8,011	742,993	281,434	26,171,792	27,532	2,602,139	0	1,238
Cold Box Vent	Sep-12	113,154	11,500,990	95	85,709	105,282	10,156,624	7,749	1,197,984	(0)	135	29	60,537
Flare/Boot Strap	Sep-12	113,154	2,017,239	95	46,488	105,282	1,411,626	7,749	460,153	(0)	93,600	29	5,371
Fuel From Cheu	Sep-12	7,799	913,486	0	245	249	27,572	6,416	741,417	1,135	144,252	0	0
Shrinkage/Loss	Sep-12	3,629	275,977	0	0	0	0	0	0	3,629	275,977	0	0
Unaccounted*	Sep-12	19,758	1,838,846	252	79,086	18,016	1,501,711	1,470	254,502	0	1,084	19	2,464

\*Before October 2004, the values are estimated

## Storage Operations

### Inventory (contained helium)

	Government	Private
Beginning inventory	11,448,729	1,463,490
net acceptances +	0	0
redeliveries	0	(186,678)
In Kind Transfers	(104)	104
Conservation Crude Sales	0	0
Gain/loss	(4,033)	
Ending Inventory	11,444,592	1,276,916
Total Helium in Reservoir	15,160,734	
Total Helium in Storage	12,721,508	
Helium in native gas	2,439,226	

### Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	44,850	34,421	76.75%
Measured to Pipeline (Private Plants)	43,855	28,715	65.48%
Measured from Pipeline (Private Plant:	281,986	215,293	76.35%
HEU Production	229,729	181,067	78.82%
Injection	0	0	00.00%
Production	0	0	
Ending Inventory	32,514	24,877	76.51%
Gain/Loss	(3,934)	(4,033)	

## 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

September - 2012

	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>	20,739	2,310	19	6	5,058	19,563	47,694	46,956	\$3,075,618
<b>Total FYTD</b>	57,144	9,402	64	941	24,928	68,187	160,665	158,182	\$10,332,184
<b>Total CYTD</b>	43,910	7,152	64	95	15,795	54,751	121,766	119,886	\$7,852,518
<b>Cumulative</b>	1,684,213	95,308	328	271,486	397,415	514,659	2,963,409	2,917,483	\$161,471,691
<b>In Kind Transfers</b>							Month	FYTD	CYTD Cumulative
Transferred							104	153,397	111,271 2,870,127
Volume outstanding							47,431		

\* 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

September - 2012

## Helium &amp; Natural Gas Sales

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$) **	
Conservation Helium				(billed quarterly)	
<b><u>Air Liquide Helium America, Inc.</u></b>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	264,250		264,250	\$18,302,250	
<b><u>Air Products, L.P.</u></b>					
Month	0	(185,535)	185,535	\$14,054,276	
FYTD	661,005	0	661,005	\$50,071,129	
Cumulative	6,310,405		6,310,405	\$398,977,879	
<b><u>Linde Gas North America, LLC</u></b>					
Month	0	(136,185)	136,185	\$10,316,014	
FYTD	602,370	0	602,370	\$45,629,528	
Cumulative	4,924,120		4,924,120	\$301,164,528	
<b><u>Keyes Helium Co., LLC</u></b>					
Month	0	(27,615)	27,615	\$2,091,836	
FYTD	80,230	0	80,230	\$6,077,423	
Cumulative	783,430		783,430	\$48,129,823	
<b><u>Matheson Tri-Gas, Inc.</u></b>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	10,000		10,000	\$587,500	
<b><u>Praxair, Inc.</u></b>					
Month	0	(175,665)	175,665	\$13,306,624	
FYTD	756,395	0	756,395	\$57,296,921	
Cumulative	3,671,395		3,671,395	\$237,055,671	
<b><u>Linde Gas, LLC discontinued 10 2008</u></b>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	200,000		200,000	\$11,035,000	
<b>Total month</b>	0	(525,000)	525,000	<b>\$39,768,750</b>	
<b>Total FYTD</b>	2,100,000	0	2,100,000	<b>\$159,075,000</b>	
<b>Total CYTD</b>	1,575,000		1,575,000	<b>\$119,306,250</b>	
<b>Cumulative</b>	16,163,600		16,163,600	<b>\$1,015,252,650</b>	
<b>Conservation Crude Transfers</b>		Month	FYTD	CYTD	Cumulative
Transferred		0	2,100,000	1,500,000	15,638,600
Volume outstanding		525,000			

\* 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	312,642	---	342,162	1,094	(\$28,174)
FYTD	3,470,324	---	3,795,920	1,094	(\$355,382)
Cumulative	28,939,042	---	31,796,301	1,099	(\$3,234,488)
<b><u>Minerals Management Service</u></b>					
No Longer Provides Natural Gas Marketing Services					
Cumulative	---	---	---	---	(\$179,913)
<b><u>Tenaska</u></b>					
Purchaser - Natural Gas				\$/Unit	
Month	---	---	335,723	\$2.566922	\$861,775
FYTD	---	---	3,754,864	\$2.520138	\$9,462,775
Cumulative	---	---	31,585,413	\$5.079713	\$159,618,278
<b><u>Sandstone</u></b>					
Purchaser - Natural Gas Liquids					
Month	---	113,505	12,141	\$12.995340	\$157,776
FYTD	---	1,257,153	133,630	\$13.456481	\$1,798,190
Cumulative	---	8,276,950	883,134	\$12.322536	\$10,882,450
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$/Per Unit (\$/Dth)	Total (\$)
<b>Total month</b>	312,642	113,505	347,864	\$2.849898	<b>\$991,377</b>
<b>Total FYTD</b>	3,470,324	1,257,153	3,888,494	\$2.804577	<b>\$10,905,583</b>
<b>Total CYTD</b>	2,623,576	935,519	2,928,866	\$2.598928	<b>\$7,611,911</b>
<b>Cumulative</b>	28,939,042	8,276,950	32,468,547	\$5.171555	<b>\$167,086,326</b>

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

\*\*Rounded to nearest dollar

## Table 6 - Helium Resources Evaluation

September - 2012

All Volumes in Mcf at 14.7 psia & 70°F

<b>Revenue Collected From Federal Leaseholds</b>	Month*	FYTD*
Fee Sales & Royalties	\$28,978	\$10,401,694
Natural Gas Royalties (1)	\$0	\$4,135
Natural Gas Rentals	\$0	\$0
Other	\$1,809	\$430,069
Revenue Collected from Federal Lease Holds	\$1,811	\$10,405,829

\*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	40	138
Total Number of Samples Analyzed For Resources Division	40	169
Total Number of Other Samples Analyzed (2)	20	274

### U. S. Helium Production

<i>Domestic</i>	FY Volume		CY Volume
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	4,604,000		4,692,233
Estimated Helium Resources as of 12/31/2006(Mcf)			732,000,000

	FY-2010	CY-2010
<b>U.S. Helium Exports</b> (3)	2,663,848	2,767,536

(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

September - 2012

All Volumes in Mcf at 14.65 psia &amp; 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	43,855	65.2%	28,615	362,944	267,958	30,278,997	24,031	48,430,166			
Crude Disposed	281,986	76.3%	215,293	2,493,950	1,824,786	45,389,677	23,927	30,563,852		\$2,989	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718				\$233,565	RMF Fees
Net/Balance	(238,131)		(186,678)	(2,131,006)	(1,556,828)	(16,589,398)	104	17,866,314	1,276,916	\$236,554	\$6,641,422
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						11,448,729					
Crude Disposed: In Kind Sales transferred for the month						(104)					
Conservation Crude Sales/Reserve Sell Down transferred (month)						0					
Gains and Loses for the month						(4,033)					
Net/Balance of Purchased Helium Remaining for Sale						11,444,592					

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

\*\*Rounded to nearest dollar



Table 8 - Compression & CHEU (Charges & Operations) September - 2012

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$2.57	\$2.76	\$5.25
Fuel used * (now includes field compression well head)	total MMBTU	9,871	115,586	1,273,534
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$14,389	\$154,270	\$3,558,755
CHEU Process Fuel Cost *	\$dollars	\$8,782	\$92,407	\$2,390,000
Rental compressor(s) fuel consumed (well head)	\$dollars	\$2,197	\$17,007	\$19,093
Rental Compressor(s) helium in fuel (Mcf x \$)	\$dollars	\$13,787	\$55,375	\$57,526
Rental compressor(s) helium in fuel (Mcf)	Mcf	182	731	760
#1 Compressor run time *	hours	720	7,403	74,777
#2 Compressor run time *	hours	0	2,240	49,288
#3 Compressor run time *	hours	720	7,327	39,734

\* Field/CHEU Compressor Operations based on Sep 12 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)	(\$716,471)	(\$9,126,960)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$16,462	\$197,548	\$2,286,340
Net Total - Cliffside Refiners, LP	(\$43,244)	(\$518,923)	(\$6,840,620)

\* BLM provided fuel cost is based on Aug 12 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	720	100.0%	8,613	98.1%	78,626
Producing residue gas	720	100.0%	8,479	96.5%	77,729
Producing helium product	720	100.0%	8,472	96.4%	74,821
Producing natural gas liquids	720	100.0%	8,441	96.1%	73,325

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$233,565	\$2,808,272	\$22,835,272
Total operating costs	(\$839,244)	(\$10,231,576)	(\$97,228,609)
Labor	\$116,095	\$1,393,144	\$9,156,261
Compressor fuel cost Aug 12	\$15,065	\$160,750	\$3,595,181
HEU fuel cost Aug 12	\$9,063	\$95,400	\$2,426,045
Electrical power cost Aug 12	\$109,490	\$1,567,305	\$14,569,515
Other	\$86,973	\$984,282	\$9,561,335
Sub Total - Items provided by BLM	\$336,686	\$4,200,881	\$42,517,692
Total - Cliffside Refiners, LP, GDA030001	(\$502,558)	(\$6,030,695)	(\$54,710,918)

**\*Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Sep 12	2,956	35,388	406,723
Cheu Pure Water Usage (gallons) Sep 12	2,294	14,107	257,592
Electricity Metered (Kwh) consumed Aug 12	2,079,639	33,520,021	265,862,343