

Bureau of Land Management

Amarillo Field Office

Helium Operations



Statistical Report for June - 2012



Distribution:

Fluid Minerals Group Manager, Washington Office
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-Resources Evaluation & Gas Analysis
-Division Of Helium Operations, -
Engineering and Technical Support

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Amarillo, Texas

Compiled by: Nelson R. Bullard

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*** 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: September 13, 2012

Table 1 - Summary of Helium Operations

June - 2012

Helium Enrichment Unit Operations
Gas Processed

	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	676,012	179,549	26.56%	6,099,215	1,671,365
Helium Product (Mcf*)	226,025	178,363	78.91%	2,103,048	1,663,488
Residue Natural Gas (Mcf*)	296,893	1	0.00%	2,655,297	1

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced

Gas Processed

	Month	FYTD
Natural Gas Sales (Mcf****)	294,154	2,629,494
NGL Sales (gallons)	106,302	959,085

*** 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Total Withdrawn (Mcf*)	674,738	179,911	26.66%	6,098,039	1,672,791
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	1,575,000	1,050,000	15,638,600
Conservation Crude Sale Volume Transferred (Mcf*)	525,000	0	1,575,000	975,000	15,113,600
Conservation Helium in Storage (EOM) (Mcf*)		12,014,784			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	44	116,862	74,736	2,833,592
Sale Volumes Outstanding (Mcf*)	37,010			

* 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*)	42,071	28,357	67.40%	273,652
Crude Disposed (Mcf*)	254,488	194,854	76.57%	1,908,410
Net Balance (Mcf*)	(212,417)	(166,497)		(1,634,758)
Balance of Stored Helium End Of Month (Mcf*)		1,211,629		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges

Helium Storage Contracts (Charges Billed (\$))

	Month	FYTD
Storage Fees Billed (\$)	\$391,400	\$3,134,530
Reservoir Management Fees Billed (\$)	\$215,319	\$2,179,452

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$59,706)	(\$537,354)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$16,462	\$148,161
Net-Total (Funded by the Refiners for compression costs.)	(\$43,244)	(\$389,192)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$215,319	\$2,179,452
Total operating costs	(\$845,118)	(\$7,692,045)
Sub Total - Items provided by BLM	\$342,560	\$3,169,024
Total - Cliffside Refiners, LP, GDA030001	(\$502,558)	(\$4,523,021)

Conservation Helium - Natural Gas - Liquid Sales

(Charges Billed (\$))

	Month	FYTD
Conservation Crude Helium Sales	\$39,768,750	\$119,306,250
In Kind Sales	\$2,393,042	\$7,256,566
Natural Gas & Liquid Sales	\$803,691	\$8,205,163

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$972,672	\$8,619,866
Helium Sample Collection Report for month	Submitted - 0	Received - 0
	Analyzed - 24	

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

June - 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
TOTAL		674,738	200,488,145	179,911	36,927,767	169,061	49,318,662	289,094	102,321,129	30,936	10,257,910	5,736	1,662,677
BIVINS A-3	Jun-12	29,676	10,669,962	15,779	3,401,237	7,425	2,699,163	5,674	4,097,330	602	400,525	196	71,706
BIVINS A-6	Jun-12	67,290	9,696,883	43,159	5,765,063	16,738	2,380,565	6,305	1,379,266	604	131,634	484	40,355
BIVINS A-13	Jun-12	41,199	6,644,543	16,733	3,788,418	10,242	1,718,947	12,505	994,652	1,416	107,392	304	35,134
BIVINS A-14	Jun-12	54,423	7,305,371	25,295	4,640,936	13,555	1,857,674	13,660	696,918	1,478	72,828	435	37,015
BIVINS A-4	Jun-12	41,096	11,973,829	8,141	2,173,021	10,029	2,902,616	20,371	6,177,258	2,164	616,205	392	104,729
BUSH A-2	Jun-12	51,412	11,138,312	8,301	1,712,481	12,952	2,721,299	26,841	6,003,048	2,953	605,837	366	95,647
Injection	Jun-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	Jun-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	Jun-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	Jun-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	Jun-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	Jun-12	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Jun-12	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Jun-12	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Jun-12	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Jun-12	29,629	13,111,969	1,524	1,845,768	7,015	3,220,930	18,841	7,221,363	1,969	716,241	280	107,668
BIVINS A-5	Jun-12	33,584	14,807,881	7,090	1,812,369	8,563	3,619,245	15,942	8,406,753	1,731	840,297	258	129,218
BIVINS A-7	Jun-12	31,095	10,875,327	10,131	2,490,499	8,104	2,731,373	11,384	5,061,844	1,269	512,050	207	79,562
BIVINS A-9	Jun-12	11,565	9,458,762	240	177,997	2,999	2,315,283	7,447	6,249,473	787	628,736	91	87,273
BIVINS A-11	Jun-12	26,522	5,540,053	732	112,882	6,804	1,371,596	16,943	3,632,084	1,798	371,235	244	52,255
BIVINS A-15	Jun-12	29,253	8,479,765	524	407,112	6,923	2,023,120	19,469	5,422,749	1,995	541,128	342	85,656
BIVINS B-1	Jun-12	26,835	6,692,331	754	267,539	6,581	1,619,946	17,415	4,302,103	1,803	437,053	283	65,690
BIVINS B-2	Jun-12	29,825	5,400,417	567	101,520	7,640	1,346,879	19,119	3,519,264	2,008	360,602	492	72,151
BUSH A-1	Jun-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	Jun-12	42,934	10,735,061	17,808	2,366,345	10,998	2,644,453	12,386	5,116,429	1,387	513,417	356	94,416
BUSH A-4	Jun-12	29,510	7,791,891	5,251	1,467,587	7,562	1,944,494	14,907	3,924,826	1,616	397,813	175	57,172
BUSH A-5	Jun-12	54,042	14,689,061	16,533	3,261,888	13,814	3,679,305	21,051	6,944,010	2,331	699,761	314	104,097
BUSH A-8	Jun-12	16,614	3,569,872	307	65,441	4,133	859,889	10,799	2,364,438	1,120	237,546	254	42,558
BUSH A-9	Jun-12	10,745	3,771,381	560	100,356	2,741	908,096	6,658	2,481,748	730	247,350	56	33,830
BUSH A-11	Jun-12	15,537	4,149,452	440	123,145	3,731	992,285	10,127	2,712,153	1,041	274,979	198	46,890
BUSH B-1	Jun-12	16	3,187,763	0	59,874	4	756,141	10	2,131,011	1	209,478	0	31,258
FUQUA A-1	Jun-12	0	2,954,094	0	53,854	0	702,797	0	1,975,172	0	193,572	0	28,699
FUQUA A-2	Jun-12	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Jun-12	1,935	9,303,477	41	576,996	509	2,277,574	1,242	5,790,082	134	583,671	9	75,154
TT Fuel	Jun-12	16	0	0	0	4	0	10	0	1	0	0	0
field-wide pct's				26.66%	18.42%	25.06%	24.60%	42.85%	51.04%	4.58%	5.12%	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	Jun-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
Remaining Gas In Place July 2002		181.660
Produced July 2002 through Dec 2002		1.096
Production 2003 - 11		64.030
Injection 2003 - 11		(1.189)
Produced to Date 2012		4.079
Injected to Date 2012		(0.000)
Amount of Raw Gas Available to CHEU		113.644 =====> 15.659 total helium in reservoir
Estimated Bottom Hole Pressure		418.431
		est z-factor 0.980

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

Table 3 - Gas Volumes & Inventory

June - 2012

Crude Helium Enrichment Unit Operations

		Gross Withdrawal		Net Helium Withdrawal		Nitrogen		Methane		Ethane plus		Other (CO ₂ , Ar, H ₂)	
		Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative
Measured Feed	Jun-12	676,012	65,638,769	179,549	16,922,342	169,020	16,475,734	290,854	28,636,677	30,843	3,050,523	5,745	553,493
Calculated Feed	Jun-12	673,291	65,315,086	179,836	16,921,149	168,691	16,397,438	288,198	28,407,370	30,838	3,037,808	5,728	551,320
Feed to Box	Jun-12	669,225	64,930,299	179,836	16,921,327	168,691	16,397,520	288,198	28,407,416	30,838	3,037,815	1,662	166,220
Cheu Product	Jun-12	226,025	21,243,671	178,363	16,705,337	41,668	3,977,970	4,391	412,087	0	395	1,604	147,882
Residue	Jun-12	296,893	28,673,160	1	1,477	7,887	720,643	263,147	25,420,843	25,857	2,528,966	0	1,231
Cold Box Vent	Jun-12	106,610	11,194,562	136	85,081	98,306	9,872,774	8,137	1,176,121	(0)	136	31	60,450
Flare/Boot Strap	Jun-12	106,610	1,710,811	136	45,860	98,306	1,127,776	8,137	438,290	(0)	93,600	31	5,284
Fuel From Cheu	Jun-12	7,822	892,783	0	245	250	26,910	6,434	724,394	1,138	141,234	0	0
Shrinkage/Loss	Jun-12	3,619	264,003	0	0	0	0	0	0	3,619	264,003	0	0
Unaccounted*	Jun-12	23,285	1,762,555	1,030	77,291	17,984	1,449,811	4,245	231,985	0	1,084	25	2,385

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	12,017,414	1,378,082
net acceptances + redeliveries	0	0
In Kind Transfers	(44)	44
Conservation Crude Sales	0	0
Gain/loss	(2,586)	
Ending Inventory	12,014,784	1,211,629
Total Helium in Reservoir	15,658,921	
Total Helium in Storage	13,226,413	
Helium in native gas	2,432,508	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	34,517	26,575	76.99%
Measured to Pipeline (Private Plants)	42,071	28,556	67.88%
Measured from Pipeline (Private Plant:	254,488	194,854	76.57%
HEU Production	226,025	178,363	78.91%
Injection	0	0	00.00%
Production	0	0	
Ending Inventory	46,895	36,054	76.88%
Gain/Loss	(1,231)	(2,586)	

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

June - 2012

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$)**	
In Kind Helium										
AirGas South West, Contract no. INC98-0101									(billed quarterly)	
Month										
FYTD										
AirGas North Central, Contract no. INC98-0102										
Month										
FYTD										
AirGas Intermountain, Contract no. INC98-0103										
Month										
FYTD										
Air Liquide Helium America, Inc., Contract no. INC98-0104										
Month										
FYTD										
Air Products, L.P., Contract no. INC98-0105										
Month										
FYTD										
Linde Gas North America, LLC, Contract no. INC98-0106										
Month										
FYTD										
Corp Brothers, Inc., Contract no. INC98-0107										
Month										
FYTD										
FIBA Technologies, Inc., Contract no. INC98-0108										
Month										
FYTD										
General Air Service & Supply Co., Contract no. INC98-0109										
Month										
FYTD										
Jack B. Kelley Co., Contract no. INC98-0110										
Month										
FYTD										
Portland Welding Supply, Contract no. INC98-0111										
Month										
FYTD										
Praxair, Inc., Contract no. INC98-0112										
Month										
FYTD										
United States Welding, Inc., Contract no. INC98-0113										
Month										
FYTD										
Matheson Tri-Gas, Inc., Contract no. INC98-0114										
Month										
FYTD										
GT & S, Contract no. INC00-0115										
Month										
FYTD										
Total month	11,383	2,693	24	53	5,593	17,361	37,107	36,535	\$2,393,042	
Total FYTD	36,404	7,093	45	935	19,870	48,624	112,971	111,226	\$7,256,566	
Total CYTD	23,171	4,842	45	89	10,737	35,188	74,072	72,930	\$4,776,900	
Cumulative	1,663,474	92,998	309	271,480	392,357	495,096	2,915,716	2,870,527	\$158,396,073	
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							44	116,862	74,736	2,833,592
Volume outstanding							37,010			

* Volumes in Mcf at 14.7 psia & 70°F
 + Volumes in Mcf at 14.65 psia & 60°F

**Rounded to nearest dollar

Table 5 - Conservation Crude Sales/Reserve Sell-down

June - 2012

Helium & 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	
FYTD	0	0	0	\$0	
Cumulative	264,250		264,250	\$18,302,250	
<u>Air Products, L.P.</u>					
Month	0	(185,535)	185,535	\$14,054,276	
FYTD	475,470	0	475,470	\$36,016,853	
Cumulative	6,124,870		6,124,870	\$384,923,603	
<u>Linde Gas North America, LLC</u>					
Month	0	(136,185)	136,185	\$10,316,014	
FYTD	466,185	0	466,185	\$35,313,514	
Cumulative	4,787,935		4,787,935	\$290,848,514	
<u>Keyes Helium Co., LLC</u>					
Month	0	(27,615)	27,615	\$2,091,836	
FYTD	52,615	0	52,615	\$3,985,586	
Cumulative	755,815		755,815	\$46,037,986	
<u>Matheson Tri-Gas, Inc.</u>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	10,000		10,000	\$587,500	
<u>Praxair, Inc.</u>					
Month	0	(175,665)	175,665	\$13,306,624	
FYTD	580,730	0	580,730	\$43,990,298	
Cumulative	3,495,730		3,495,730	\$223,749,048	
<u>Linde Gas, LLC discontinued 10 2008</u>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	200,000		200,000	\$11,035,000	
Total month	0	(525,000)	525,000	\$39,768,750	
Total FYTD	1,575,000	0	1,575,000	\$119,306,250	
Total CYTD	1,050,000		1,050,000	\$79,537,500	
Cumulative	15,638,600		15,638,600	\$975,483,900	
Conservation Crude Transfers					
		Month	FYTD	CYTD	Cumulative
Transferred		0	1,575,000	975,000	15,113,600
Volume outstanding		525,000			

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas/Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	Avg Btu Value	Charges Billed (\$)***
					(billed monthly)
<u>El Paso Natural Gas</u>					
Month	294,154	---	321,821	1,094	(\$28,113)
FYTD	2,629,494	---	2,875,780	1,094	(\$271,088)
Cumulative	28,098,212	---	30,876,161	1,099	(\$3,150,194)
<u>Minerals Management Service</u>					
Cumulative	---	---	---	---	(\$179,913)
<u>Tenaska</u>					
Month	---	---	320,753	\$2.220313	\$712,172
FYTD	---	---	2,842,153	\$2.487269	\$7,069,198
Cumulative	---	---	30,672,702	\$5.152831	\$157,224,701
<u>Sandstone</u>					
Month	---	106,302	11,399	\$10.494921	\$119,632
FYTD	---	959,085	101,716	\$13.833150	\$1,407,053
Cumulative	---	7,978,882	851,220	\$12.325032	\$10,491,314
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$\$ Per Unit (\$\$/Dth)	Total (\$\$)
Total month	294,154	106,302	332,152	\$2.419647	\$803,691
Total FYTD	2,629,494	959,085	2,943,869	\$2.787204	\$8,205,163
Total CYTD	1,782,746	637,451	1,984,241	\$2.475249	\$4,911,491
Cumulative	28,098,212	7,978,882	31,523,922	\$5.240860	\$164,385,907

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

June - 2012

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$975,379	\$8,586,120
Natural Gas Royalties (1)	\$0	\$4,135
Natural Gas Rentals	\$0	\$0
Other	\$29,611	\$371,166
Revenue Collected from Federal Lease Holds	\$972,672	\$8,619,866

*Totals do not sum

Helium Analysis and Evaluation	Month	FYTD
Number of Sample Request Letters Sent	0	0
Number of Samples Received	0	0
Number of Samples Analyzed	63	98
Total Number of Samples Analyzed For Resources Division	65	129
Total Number of Other Samples Analyzed (2)	24	196

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
U.S. Helium Exports (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

June - 2012

All Volumes in Mcf at 14.65 psia & 60°F

	Metered Gas					Transferred Gas Helium		Stored Helium EOM	Charges Billed (\$)**	
	Gross Gas	Helium %	Helium	Helium		Month	Cumulative		Month	FYTD
	Month		FYTD	CYTD	Cumulative					
Total All Contracts*										
Crude Acquired	42,071	67.4%	28,357	273,652	178,666	30,189,705	25,849	47,754,678		
Crude Disposed	254,488	76.6%	194,854	1,908,410	1,239,246	44,804,137	25,805	30,449,899	\$391,400	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718			\$215,319	RMF Fees
Net/Balance	(212,417)		(166,497)	(1,634,758)	(1,060,580)	(16,093,150)	44	17,304,779	\$606,719	\$5,313,982
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		12,017,414
Crude Disposed: In Kind Sales transferred for the month		(44)
Conservation Crude Sales/Reserve Sell Down transferred (month)		0
Gains and Losses for the month		(2,586)
Net/Balance of Purchased Helium Remaining for Sale		12,014,784

*Includes In Kind and Conservation Crude transfers from Government storage

**Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations)

June - 2012

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$2.22	\$2.52	\$5.28
Fuel used * (now includes field compression well head)	total MMBTU	10,381	87,310	1,245,258
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$12,960	\$112,366	\$3,516,851
CHEU Process Fuel Cost *	\$dollars	\$7,812	\$67,191	\$2,364,784
Rental compressor(s) fuel consumed (well head)	\$dollars	\$2,273	\$9,902	\$11,988
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$6,212	\$30,301	\$32,452
Rental compressor(s) helium in fuel (Mcf)	Mcf	82	400	429
#1 Compressor run time *	hours	404	6,214	73,588
#2 Compressor run time *	hours	304	1,470	48,518
#3 Compressor run time *	hours	697	5,351	37,758

* Field/CHEU Compressor Operations based on Jun 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)	(\$537,354)	(\$8,947,843)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$16,462	\$148,161	\$2,236,953
Net Total - Cliffside Refiners, LP	(\$43,244)	(\$389,192)	(\$6,710,889)

* BLM provided fuel cost is based on May 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%	6,551	99.6%	76,563
Producing residue gas	709	98.5%	6,518	99.1%	75,767
Producing helium product	707	98.2%	6,516	99.1%	72,866
Producing natural gas liquids	709	98.5%	6,518	99.1%	71,402

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$215,319	\$2,179,452	\$22,206,452
Total operating costs	(\$845,118)	(\$7,692,045)	(\$94,689,079)
Labor	\$116,095	\$1,044,858	\$8,807,975
Compressor fuel cost May 12	\$11,992	\$120,275	\$3,554,706
HEU fuel cost May 12	\$8,081	\$71,154	\$2,401,799
Electrical power cost May 12	\$122,344	\$1,204,096	\$14,206,306
Other	\$84,048	\$728,641	\$9,305,694
Sub Total - Items provided by BLM	\$342,560	\$3,169,024	\$41,485,835
Total - Cliffside Refiners, LP, GDA030001	(\$502,558)	(\$4,523,021)	(\$53,203,244)

***Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Jun 12	3,046	26,757	398,092
Cheu Pure Water Usage (gallons) Jun 12	992	8,372	251,857
Electricity Metered (Kwh) consumed May 12	2,775,853	25,766,511	258,108,833