

Bureau of Land Management

Amarillo Field Office

Helium Operations



Statistical Report for June - 2013



Distribution:

Fluid Minerals Group Manager, Washington Office
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-Division Of Helium Operations, -
Engineering and Technical Support

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Amarillo, Texas

Compiled by: David V. Reeves

Issued: December 17, 2013

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

Samuel R. M. Burton

Date: *December 16, 2013*

Table 1 - Summary of Helium Operations

June - 2013

Helium Enrichment Unit Operations

Gas Processed	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	597,000	150,127	25.15%	5,851,832	1,492,212
Helium Product (Mcf*)	188,502	147,080	78.03%	1,881,270	1,469,500
Residue Natural Gas (Mcf*)	273,244	0	00.00%	2,643,390	0

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced

Gas Processed	Month	FYTD
Natural Gas Sales (Mcf***)	269,764	2,600,719
NGL Sales (gallons)	100,630	997,663

*** 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Total Withdrawn (Mcf*)	594,031	147,291	24.80%	5,848,354	1,475,960
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*)		339,465	1,389,465	864,465	17,553,065
Conservation Crude Sale Volume Transferred (Mcf*)	339,465	0	1,575,000	1,050,000	17,213,600
Conservation Helium in Storage (EOM) (Mcf*)		9,741,623			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	19,863	113,811	66,855	2,983,938
Sale Volumes Outstanding (Mcf*)	32,979			

* 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*)	56,221	37,104	66.00%	310,661
Crude Disposed (Mcf*)	249,944	188,469	75.40%	1,768,941
Net Balance (Mcf*)	(193,723)	(151,365)		(1,458,280)
Balance of Stored Helium End Of Month (Mcf*)		1,507,447		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges

Helium Storage Contracts (Charges Billed (\$))	Month	FYTD
Storage Fees Billed (\$)	\$292,349	\$2,383,651
Reservoir Management Fees Billed (\$)	\$204,363	\$1,941,935

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$55,778)	(\$502,000)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$12,540	\$112,862
Net-Total (Funded by the Refiners for compression costs.)	(\$43,238)	(\$389,138)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$204,363	\$1,941,935
Total operating costs	(\$816,375)	(\$7,298,014)
Sub Total - Items provided by BLM	\$322,689	\$2,854,846
Total - Cliffside Refiners, LP, GDA030001	(\$493,685)	(\$4,443,168)

Conservation Helium - Natural Gas - Liquid Sales

	Month	FYTD
Conservation Crude Helium Sales	\$28,515,060	\$116,715,060
In Kind Sales	\$2,187,777	\$6,654,071
Natural Gas & Liquid Sales	\$1,117,382	\$10,612,257

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$38,804	\$8,467,871
Helium Sample Collection Report for month	Submitted - 0	Received - 0
		Analyzed - 19

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

June - 2013

		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		594,031	208,280,368	147,291	38,901,914	149,312	51,267,433	263,680	105,750,645	28,613	10,630,469	5,135	1,729,907
BIVINS A-3	Jun-13	7,854	10,936,915	3,742	3,537,751	1,989	2,766,038	1,861	4,153,052	208	406,586	53	73,489
BIVINS A-6	Jun-13	57,074	10,437,613	33,779	6,219,335	14,509	2,561,489	7,592	1,466,355	777	144,386	417	46,048
BIVINS A-13	Jun-13	57,479	7,237,791	21,231	4,015,830	14,518	1,867,316	19,084	1,185,981	2,214	129,119	431	39,546
BIVINS A-14	Jun-13	68,512	8,018,564	27,883	4,951,883	17,303	2,036,260	20,466	893,349	2,291	94,246	569	42,826
BIVINS A-4	Jun-13	36,000	12,436,951	5,769	2,255,861	8,694	3,015,176	19,140	6,415,189	2,038	641,479	360	109,248
BUSH A-2	Jun-13	47,999	11,757,231	6,494	1,793,980	12,017	2,875,566	26,221	6,344,189	2,931	643,280	336	100,216
Injection	Jun-13	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-13	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-13	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-13	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-13	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-13	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Jun-13	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Jun-13	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Jun-13	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Jun-13	14,924	13,403,974	655	1,859,863	3,490	3,289,747	9,617	7,408,074	1,017	735,823	145	110,468
BIVINS A-5	Jun-13	32,999	15,244,766	6,295	1,899,816	8,377	3,730,513	16,291	8,618,515	1,782	863,336	254	132,585
BIVINS A-7	Jun-13	24,749	11,208,798	7,872	2,597,584	6,418	2,818,125	9,247	5,185,388	1,046	525,925	166	81,777
BIVINS A-9	Jun-13	16,971	9,685,445	356	182,746	4,396	2,374,030	10,926	6,395,400	1,158	644,188	136	89,081
BIVINS A-11	Jun-13	27,000	5,849,413	770	121,590	6,922	1,450,931	17,231	3,829,568	1,826	392,205	251	55,118
BIVINS A-15	Jun-13	27,003	8,797,131	474	412,727	6,382	2,098,164	17,990	5,634,076	1,839	562,775	319	89,389
BIVINS B-1	Jun-13	27,000	7,006,984	686	276,046	6,589	1,697,006	17,590	4,506,563	1,839	458,304	296	69,065
BIVINS B-2	Jun-13	31,500	5,768,778	600	108,538	8,061	1,441,182	20,198	3,755,384	2,116	385,400	525	78,274
BUSH A-1	Jun-13	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-13	36,000	11,207,930	13,337	2,551,402	9,158	2,765,258	11,870	5,263,093	1,335	529,844	299	98,333
BUSH A-4	Jun-13	18,000	8,091,134	2,588	1,516,134	4,589	2,020,977	9,666	4,080,488	1,052	414,568	105	58,969
BUSH A-5	Jun-13	48,002	15,320,058	14,465	3,454,427	12,218	3,840,418	18,919	7,190,260	2,121	727,170	280	107,783
BUSH A-8	Jun-13	9,144	3,737,896	169	68,552	2,277	901,706	5,942	2,473,616	615	248,878	142	45,144
BUSH A-9	Jun-13	317	3,859,294	16	104,953	78	930,517	199	2,536,172	22	253,353	3	34,299
BUSH A-11	Jun-13	1,080	4,271,459	27	126,433	259	1,021,576	707	2,791,802	74	283,183	14	48,465
BUSH B-1	Jun-13	4,419	3,203,622	81	60,166	1,069	759,980	2,921	2,141,491	311	210,595	37	31,389
FUQUA A-1	Jun-13	4	2,954,098	0	53,854	1	702,798	3	1,975,174	0	193,573	0	28,699
FUQUA A-2	Jun-13	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Jun-13	0	9,303,833	0	577,004	0	2,277,668	0	5,790,310	0	583,696	0	75,155
TT Fuel	Jun-13	0	0	0	0	0	0	0	0	0	0	0	0
field-wide pct's				24.80%	18.68%	25.14%	24.61%	44.39%	50.77%	4.82%	5.10%	0.86%	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-13	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 - 12		72.131
Injection 2003 - 12		(1.189)
Produced to Date 2013		3.770
Injected to Date 2013		0.000
Amount of Raw Gas Available to CHEU		105.852 =====> 13.685 total helium in reservoir
Estimated Bottom Hole Pressure		389.764
		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 - 2013

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-13	597,000	73,441,410	150,127	18,914,137	149,334	18,430,079	264,215	32,061,845	28,184	3,415,251	5,140	620,098
Calculated Feed	Jun-13	593,714	73,095,699	147,274	18,894,613	149,235	18,343,226	263,482	31,829,788	28,591	3,409,580	5,133	618,493
Feed to Box	Jun-13	589,954	72,662,088	147,274	18,894,791	149,235	18,343,308	263,482	31,829,834	28,591	3,409,587	1,373	184,568
Cheu Product	Jun-13	188,502	23,751,470	147,080	18,668,266	36,641	4,455,956	3,432	461,188	(2)	399	1,352	165,661
Residue	Jun-13	273,244	32,163,028	0	1,477	6,730	804,632	243,042	28,526,639	23,471	2,829,042	0	1,238
Cold Box Vent	Jun-13	97,946	12,454,859	70	86,438	90,177	11,034,275	7,695	1,273,289	(0)	135	4	60,721
Flare/Boot Strap	Jun-13	97,946	2,971,107	70	47,218	90,177	2,289,277	7,695	535,458	(0)	93,600	4	5,555
Fuel From Cheu	Jun-13	7,261	983,538	4	250	190	29,746	5,857	798,843	1,211	154,699	0	0
Shrinkage/Loss	Jun-13	3,911	318,448	0	0	0	0	0	0	3,911	318,448	0	0
Unaccounted*	Jun-13	19,090	2,032,092	122	83,637	15,496	1,651,188	3,456	293,574	0	1,085	17	2,608

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	9,762,360	1,638,949
net acceptances + redeliveries	0	0
	0	(151,365)
In Kind Transfers	(19,863)	19,863
Conservation Crude Sales	0	0
Gain/loss	(874)	
Ending Inventory	9,741,623	1,507,447
Total Helium in Reservoir	13,684,774	
Total Helium in Storage	11,249,070	
Helium in native gas	2,435,704	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	37,946	28,639	75.47%
Measured to Pipeline (Private Plants)	56,221	37,165	66.11%
Measured from Pipeline (Private Plant:	249,944	188,469	75.40%
HEU Production	188,502	147,080	78.03%
Injection	0	0	00.00%
Production	0	0	
Ending Inventory	31,244	23,541	75.35%
Gain/Loss	(1,481)	(874)	

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 - 2013

	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	8,289	3,691	16	5	5,230	15,587	32,819	32,312	\$2,187,777	
Total FYTD	30,061	7,757	53	49	15,289	47,707	100,916	99,359	\$6,654,071	
Total CYTD	17,540	5,613	37	24	10,522	33,102	66,838	65,805	\$4,456,284	
Cumulative	1,714,275	103,065	381	271,535	412,704	562,366	3,064,325	3,016,842	\$168,125,762	
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							19,863	113,811	66,855	2,983,938
Volume outstanding							32,979			

* 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 - 2013

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	6,300	0	6,300	\$529,200	
Cumulative	270,550		270,550	\$18,831,450	
<u>Air Products, L.P.</u>					
Month	0	0	0	\$0	
FYTD	555,030	185,535	369,495	\$31,037,580	
Cumulative	6,865,435		6,679,900	\$430,015,459	
<u>Linde Gas North America, LLC</u>					
Month	0	(136,185)	136,185	\$11,439,540	
FYTD	406,980	0	406,980	\$34,186,320	
Cumulative	5,331,100		5,331,100	\$335,350,848	
<u>Keyes Helium Co., LLC</u>					
Month	0	(27,615)	27,615	\$2,319,660	
FYTD	81,270	0	81,270	\$6,826,680	
Cumulative	864,700		864,700	\$54,956,503	
<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	\$14,755,860	
FYTD	525,420	0	525,420	\$44,135,280	
Cumulative	4,196,815		4,196,815	\$281,190,951	
<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	(339,465)	339,465	\$28,515,060	
Total FYTD	1,575,000	185,535	1,389,465	\$116,715,060	
Total CYTD	1,050,000		864,465	\$72,615,060	
Cumulative	17,738,600		17,553,065	\$1,131,967,710	
Conservation Crude Transfers					
		Month	FYTD	CYTD	Cumulative
Transferred		0	1,575,000	1,050,000	17,213,600
Volume outstanding		339,465			

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas/Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	Avg Btu Value	Charges Billed (\$)***
<u>El Paso Natural Gas</u>					
		Provides Measured Firm/Interruptible Transportation Services			(billed monthly)
Month	269,764	---	295,708	1,096	(\$27,997)
FYTD	2,600,719	---	2,850,689	1,096	(\$256,119)
Cumulative	31,539,761	---	34,646,990	1,099	(\$3,490,607)
<u>Minerals Management Service</u>					
		No Longer Provides Natural Gas Marketing Services			
Cumulative	---	---	---	---	(\$179,913)
<u>Tenaska</u>					
		Purchaser - Natural Gas		\$/Unit	
Month	---	---	295,600	\$3.463875	\$1,023,922
FYTD	---	---	2,805,683	\$3.387912	\$9,505,408
Cumulative	---	---	34,391,096	\$4.941693	\$169,123,686
<u>Sandstone</u>					
		Purchaser - Natural Gas Liquids			
Month	---	100,630	10,776	\$11.271081	\$121,457
FYTD	---	997,663	105,992	\$12.859160	\$1,362,968
Cumulative	---	9,274,613	989,126	\$12.380039	\$12,245,418
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$/Per Unit (\$\$/Dth)	Total (\$)
Total month	269,764	100,630	306,376	\$3.647093	\$1,117,382
Total FYTD	2,600,719	997,663	2,911,675	\$3.644726	\$10,612,257
Total CYTD	1,673,058	656,735	1,884,344	\$3.762855	\$7,090,513
Cumulative	31,539,761	9,274,613	35,380,222	\$5.045902	\$177,698,584

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

June - 2013

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$38,096	\$8,432,077
Natural Gas Royalties (1)	\$0	\$6,280
Natural Gas Rentals	\$0	\$0
Other	\$29,513	\$283,342
Revenue Collected from Federal Lease Holds	\$38,804	\$8,467,871

*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	0	80
Total Number of Samples Analyzed For Resources Division	0	93
Total Number of Other Samples Analyzed (2)	19	186

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 - 2013

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	56,221	66.0%	37,104	310,661	202,628	30,589,658	46,822	50,426,529			
Crude Disposed	249,944	75.4%	188,469	1,768,941	1,140,709	47,158,618	26,959	30,871,404		\$292,349	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718				\$204,363	RMF Fees
Net/Balance	(193,723)		(151,365)	(1,458,280)	(938,081)	(18,047,678)	19,863	19,555,125	1,507,447	\$496,712	\$4,325,586
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											
Global Gases America, Contract no. 2013-3293											
Crude Acquired	0	---	0	0	0	0	0	0		\$0	Storage Fees
Crude Disposed	0	---	0	0	0	0	0	0	0.0%	\$0	RMF Fees
Net/Balance	0		0	0	0	0	0	0	0	\$0	\$7,000

Government Helium	
Remaining Crude Acquired beginning of the month	9,762,360
Crude Disposed: In Kind Sales transferred for the month	(19,863)
Conservation Crude Sales/Reserve Sell Down transferred (montl	0
Gains and Losses for the month	(874)
Net/Balance of Purchased Helium Remaining for Sale	9,741,623

*Includes In Kind and Conservation Crude transfers from Government storage

**Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations)

June - 2013

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$3.46	\$4.43	\$5.18
Fuel used * (now includes field compression well head)	total MMBTU	10,896	106,297	1,379,831
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$17,867	\$165,586	\$3,724,341
CHEU Process Fuel Cost *	\$dollars	\$11,176	\$110,078	\$2,500,078
Rental compressor(s) fuel consumed (well head)	\$dollars	\$8,657	\$84,570	\$103,663
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$9,912	\$110,880	\$168,406
Rental compressor(s) helium in fuel (Mcf)	Mcf	118	1320	2080
#1 Compressor run time *	hours	719	6,170	80,947
#2 Compressor run time *	hours	0	1,992	51,280
#3 Compressor run time *	hours	720	4,880	44,614

* Field/CHEU Compressor Operations based on Jun 13 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)	(\$55,778)	(\$502,000)	(\$9,628,961)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$12,540	\$112,862	\$2,399,203
Net Total - Cliffside Refiners, LP	(\$43,238)	(\$389,138)	(\$7,229,758)

* BLM provided fuel cost is based on May 13 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%	6,536	99.8%	85,162
Producing residue gas	720	100.0%	6,516	99.4%	84,245
Producing helium product	720	100.0%	6,492	99.1%	81,313
Producing natural gas liquids	720	100.0%	6,509	99.3%	79,834

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$204,363	\$1,941,935	\$24,777,207
Total operating costs	(\$816,375)	(\$7,298,014)	(\$104,526,624)
Labor	\$91,255	\$821,296	\$9,977,557
Compressor fuel cost May 13	\$19,461	\$162,109	\$3,757,290
HEU fuel cost May 13	\$12,871	\$107,684	\$2,533,729
Electrical power cost May 13	\$117,358	\$1,023,172	\$15,592,687
Other	\$81,744	\$740,585	\$10,301,920
Sub Total - Items provided by BLM	\$322,689	\$2,854,846	\$45,372,538
Total - Cliffside Refiners, LP, GDA030001	(\$493,685)	(\$4,443,168)	(\$59,154,086)

***Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Jun 13	2,794	28,084	434,807
Cheu Pure Water Usage (gallons) Jun 13	614	9,242	266,834
Electricity Metered (Kwh) consumed May 13	2,706,228	25,377,685	25,377,685