

Bureau of Land Management

Amarillo Field Office Helium Operations



Statistical Report for January - 2013



Distribution:

Fluid Minerals Group Manager, Washington Office
NMSO, New Mexico State Director
NMSO, Associate State Director
NMSO, Petroleum Engineer
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-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 12, 2013

"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: June 25, 2013

Table 1 - Summary of Helium Operations

January - 2013

Helium Enrichment Unit Operations

Gas Processed	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	679,352	174,053	25.62%	2,756,520	709,141
Helium Product (Mcf*)	221,015	172,589	78.09%	897,712	703,114
Residue Natural Gas (Mcf*)	306,117	0	00.00%	1,246,971	0

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced

Gas Processed	Month	FYTD
Natural Gas Sales (Mcf****)	302,496	1,230,157
NGL Sales (gallons)	122,444	463,372

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

Bush Dome Reservoir Operations
Conservation gases from all sources

Conservation gases from all sources	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Total Withdrawn (Mcf*)	678,834	173,371	25.54%	2,756,940	706,403
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*)		0	525,000	0	16,688,600
Conservation Crude Sale Volume Transferred (Mcf*)	0	525,000	1,050,000	525,000	16,688,600
Conservation Helium in Storage (EOM) (Mcf*)		10,338,853			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	0	46,956	0	2,917,083
Sale Volumes Outstanding (Mcf*)	34,029			

* 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*)	50,561	31,619	62.54%	139,652
Crude Disposed (Mcf*)	272,755	206,126	75.57%	834,358
Net Balance (Mcf*)	(222,194)	(174,507)		(694,706)
Balance of Stored Helium End Of Month (Mcf*)		1,679,166		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges

Helium Storage Contracts (Charges Billed (\$))	Month	FYTD
Storage Fees Billed (\$)	\$309,367	\$917,018
Reservoir Management Fees Billed (\$)	\$230,978	\$931,304

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$55,778)	(\$223,111)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$12,540	\$50,161
Net-Total (Funded by the Refiners for compression costs.)	(\$43,238)	(\$172,950)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$230,978	\$931,304
Total operating costs	(\$820,176)	(\$3,283,404)
Sub Total - Items provided by BLM	\$326,490	\$1,308,663
Total - Cliffside Refiners, LP, GDA030001	(\$493,685)	(\$1,974,741)

Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$))

	Month	FYTD
Conservation Crude Helium Sales	\$0	\$44,100,000
In Kind Sales	\$0	\$2,197,787
Natural Gas & Liquid Sales	\$1,178,185	\$4,699,929

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$970,781	\$4,250,071
Helium Sample Collection Report for month	Submitted - 0	Received - 0
	Analyzed - 22	

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

January - 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		678,834	205,188,954	173,371	38,132,357	167,709	50,494,057	297,891	104,378,885	33,910	10,480,727	5,953	1,702,928
BIVINS A-3	Jan-13	22,653	10,859,558	11,532	3,499,640	5,651	2,746,510	4,799	4,135,780	519	404,661	152	72,966
BIVINS A-6	Jan-13	64,467	10,146,352	38,404	6,045,249	13,701	2,489,724	8,866	1,428,674	2,861	138,917	635	43,788
BIVINS A-13	Jan-13	54,997	6,968,935	20,991	3,915,049	13,675	1,799,609	17,922	1,097,775	1,999	118,966	409	37,536
BIVINS A-14	Jan-13	58,553	7,683,230	26,816	4,810,379	14,596	1,951,748	15,069	797,426	1,597	83,617	474	40,060
BIVINS A-4	Jan-13	40,126	12,253,774	7,148	2,225,187	9,764	2,970,830	20,637	6,319,063	2,187	631,255	391	107,439
BUSH A-2	Jan-13	57,325	11,505,540	8,383	1,767,459	14,432	2,813,853	30,705	6,198,561	3,404	627,454	400	98,215
Injection	Jan-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	Jan-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	Jan-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	Jan-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	Jan-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	Jan-13	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Jan-13	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Jan-13	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Jan-13	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Jan-13	27,690	13,307,718	1,330	1,855,462	6,529	3,267,167	17,713	7,346,239	1,852	729,311	266	109,538
BIVINS A-5	Jan-13	38,499	15,073,013	7,697	1,866,429	9,820	3,686,877	18,666	8,534,343	2,021	854,111	296	131,253
BIVINS A-7	Jan-13	28,146	11,081,897	9,047	2,557,087	7,330	2,785,186	10,416	5,138,105	1,167	520,586	186	80,933
BIVINS A-9	Jan-13	16,140	9,595,661	339	180,862	4,185	2,350,767	10,392	6,337,603	1,096	638,066	129	88,363
BIVINS A-11	Jan-13	24,800	5,720,599	699	117,930	6,360	1,417,906	15,830	3,747,363	1,680	383,477	230	53,922
BIVINS A-15	Jan-13	26,472	8,666,150	468	410,425	6,260	2,067,204	17,628	5,546,835	1,803	553,843	312	87,843
BIVINS B-1	Jan-13	26,393	6,877,332	708	272,690	6,475	1,665,330	17,150	4,422,161	1,776	449,497	283	67,654
BIVINS B-2	Jan-13	32,109	5,612,667	613	105,565	8,221	1,401,226	20,582	3,655,316	2,160	374,889	533	75,671
BUSH A-1	Jan-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	Jan-13	41,606	11,020,123	16,216	2,480,335	10,639	2,717,413	12,963	5,202,551	1,443	523,048	345	96,776
BUSH A-4	Jan-13	27,230	7,985,685	4,371	1,500,139	6,977	1,994,056	14,189	4,024,645	1,534	408,495	160	58,350
BUSH A-5	Jan-13	57,847	15,070,992	17,651	3,378,919	14,784	3,776,964	22,573	7,092,550	2,500	716,239	339	106,319
BUSH A-8	Jan-13	14,791	3,677,607	275	67,435	3,682	886,697	9,609	2,434,447	997	244,817	227	44,212
BUSH A-9	Jan-13	8,016	3,838,949	403	103,906	1,992	925,314	5,007	2,523,574	574	251,969	41	34,186
BUSH A-11	Jan-13	10,681	4,251,856	277	125,947	2,565	1,016,881	6,983	2,778,963	718	281,857	139	48,207
BUSH B-1	Jan-13	291	3,192,740	5	59,966	70	757,346	192	2,134,299	21	209,830	2	31,299
FUQUA A-1	Jan-13	0	2,954,094	0	53,854	0	702,797	0	1,975,172	0	193,572	0	28,699
FUQUA A-2	Jan-13	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Jan-13	0	9,303,794	0	577,003	0	2,277,657	0	5,790,286	0	583,693	0	75,155
TT Fuel	Jan-13	0	0	0	0	0	0	0	0	0	0	0	0
field-wide pcts				25.54%	18.58%	24.71%	24.61%	43.88%	50.87%	5.00%	5.11%	0.88%	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 Jan-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	Net Helium
Remaining Gas In Place July 2002	181.660	33.997
Produced July 2002 through Dec 2002	1.096	0.743
Production 2003 - 12	72.131	19.611
Injection 2003 - 12	(1.189)	(0.985)
Produced to Date 2013	0.679	0.173
Injected to Date 2013	0.000	0.000
Amount of Raw Gas Available to CHEU	108.943	=====> 14.454 total helium in reservoir
Estimated Bottom Hole Pressure	401.137	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

January - 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	Jan-13	679,352	70,346,097	174,053	18,131,066	169,954	17,655,743	297,831	30,696,041	31,715	3,269,673	5,799	593,575
Calculated Feed	Jan-13	677,642	70,007,947	173,311	18,125,253	167,413	17,570,778	297,147	30,460,294	33,825	3,260,087	5,946	591,536
Feed to Box	Jan-13	673,295	69,594,133	173,311	18,125,431	167,413	17,570,861	297,147	30,460,340	33,825	3,260,094	1,600	177,408
Cheu Product	Jan-13	221,015	22,767,912	172,589	17,901,880	42,322	4,264,704	4,544	442,268	(1)	396	1,561	158,664
Residue	Jan-13	306,117	30,766,609	0	1,477	6,881	771,721	272,900	27,282,483	26,336	2,709,689	0	1,238
Cold Box Vent	Jan-13	111,472	11,952,679	89	86,050	102,258	10,573,278	9,103	1,232,579	0	135	22	60,636
Flare/Boot Strap	Jan-13	111,472	2,468,928	89	46,829	102,258	1,828,280	9,103	494,748	0	93,600	22	5,470
Fuel From Cheu	Jan-13	8,141	945,366	0	245	260	28,591	6,693	767,625	1,187	148,905	0	0
Shrinkage/Loss	Jan-13	6,302	295,200	0	0	0	0	0	0	6,302	295,200	0	0
Unaccounted*	Jan-13	20,248	1,925,756	632	81,744	15,692	1,572,106	3,906	268,274	0	1,084	17	2,547

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	10,865,249	1,328,673
net acceptances + redeliveries	0	0
In Kind Transfers	0	0
Conservation Crude Sales	(525,000)	525,000
Gain/loss	(1,396)	
Ending Inventory	10,338,853	1,679,166
Total Helium in Reservoir	14,454,330	
Total Helium in Storage	12,018,019	
Helium in native gas	2,436,311	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	37,154	28,104	75.64%
Measured to Pipeline (Private Plants)	50,561	32,201	63.69%
Measured from Pipeline (Private Plant)	272,755	206,126	75.57%
HEU Production	221,015	172,589	78.09%
Injection	0	0	00.00%
Production	0	0	
Ending Inventory	33,610	25,372	75.49%
Gain/Loss	(2,365)	(1,396)	

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

January - 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	0	0	0	0	0	0	0	0	\$0	
Total FYTD	12,521	2,144	16	25	4,767	14,605	34,078	33,554	\$2,197,787	
Total CYTD	0	0	0	0	0	0	0	0	\$0	
Cumulative	1,696,735	97,452	344	271,511	402,182	529,264	2,997,488	2,951,037	\$163,669,478	
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							0	46,956	0	2,917,083
Volume outstanding							34,029			

* 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

January - 2013

Helium & Natural Gas Sales

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$) ** (billed quarterly)	
Conservation Helium					
<u>Air Liquide Helium America, Inc.</u>					
Month	6,300	0	0	\$0	
FYTD	6,300	6,300	0	\$0	
Cumulative	270,550		264,250	\$18,302,250	
<u>Air Products, L.P.</u>					
Month	183,960	0	0	\$0	
FYTD	369,495	183,960	185,535	\$15,584,940	
Cumulative	6,679,900		6,495,940	\$414,562,819	
<u>Linde Gas North America, LLC</u>					
Month	134,610	0	0	\$0	
FYTD	270,795	134,610	136,185	\$11,439,540	
Cumulative	5,194,915		5,060,305	\$312,604,068	
<u>Keyes Helium Co., LLC</u>					
Month	26,040	0	0	\$0	
FYTD	53,655	26,040	27,615	\$2,319,660	
Cumulative	837,085		811,045	\$50,449,483	
<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	174,090	0	0	\$0	
FYTD	349,755	174,090	175,665	\$14,755,860	
Cumulative	4,021,150		3,847,060	\$251,811,531	
<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	525,000	0	0	\$0	
Total FYTD	1,050,000	525,000	525,000	\$44,100,000	
Total CYTD	525,000		0	\$0	
Cumulative	17,213,600		16,688,600	\$1,059,352,650	
Conservation Crude Transfers					
		Month	FYTD	CYTD	Cumulative
Transferred		525,000	1,050,000	525,000	16,688,600
Volume outstanding		0			

* 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>					
		Provides Measured Firm/Interruptible Transportation Services			
Month	302,496	---	332,099	1,098	(\$28,912)
FYTD	1,230,157	---	1,348,052	1,096	(\$114,593)
Cumulative	30,169,199	---	33,144,353	1,099	(\$3,349,081)
<u>Minerals Management Service</u>					
		No Longer Provides Natural Gas Marketing Services			
Cumulative	---	---	---	---	(\$179,913)
<u>Tenaska</u>					
		Purchaser - Natural Gas		\$/Unit	
Month	---	---	321,700	\$3.196271	\$1,028,241
FYTD	---	---	1,312,722	\$3.158780	\$4,146,600
Cumulative	---	---	32,898,135	\$5.003063	\$163,764,877
<u>Sandstone</u>					
		Purchaser - Natural Gas Liquids			
Month	---	122,444	12,994	\$13.764606	\$178,857
FYTD	---	463,372	49,303	\$13.547293	\$667,922
Cumulative	---	8,740,322	932,437	\$12.387295	\$11,550,373
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$/Per Unit (\$\$/Dth)	Total (\$)
Total month	302,496	122,444	334,694	\$3.520187	\$1,178,185
Total FYTD	1,230,157	463,372	1,362,025	\$3.450692	\$4,699,929
Total CYTD	302,496	122,444	334,694	\$3.520187	\$1,178,185
Cumulative	30,169,199	8,740,322	33,830,572	\$5.102273	\$171,786,256

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

January - 2013

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$970,034	\$4,215,151
Natural Gas Royalties (1)	\$0	\$6,280
Natural Gas Rentals	\$0	\$0
Other	\$28,640	\$138,319
Revenue Collected from Federal Lease Holds	\$970,781	\$4,250,071

*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	13	70
Total Number of Samples Analyzed For Resources Division	13	70
Total Number of Other Samples Analyzed (2)	22	90

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	4,691,100	4,768,537
Estimated Helium Resources as of 12/31/2006 (Mcf)		732,000,000

	FY-2011	CY-2011
U.S. Helium Exports (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

January - 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	50,561	62.5%	31,619	139,652	31,619	30,418,649	552,771	49,643,365			
Crude Disposed	272,755	75.6%	206,126	834,358	206,126	46,224,035	27,771	30,680,095	\$309,367	Storage Fees	
Grade-A Rdlvrd	0		0	0	0	1,478,718			\$230,978	RMF Fees	
Net/Balance	(222,194)		(174,507)	(694,706)	(174,507)	(17,284,104)	525,000	18,963,270	1,679,166	\$540,344	\$1,848,322
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							10,865,249				
Crude Disposed: In Kind Sales transferred for the month							0				
Conservation Crude Sales/Reserve Sell Down transferred (month)							(525,000)				
Gains and Losses for the month							(1,396)				
Net/Balance of Purchased Helium Remaining for Sale							10,338,853				

*Includes In Kind and Conservation Crude transfers from Government storage

**Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations)

January - 2013

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$3.20	\$4.26	\$5.21
Fuel used * (now includes field compression well head)	total MMBTU	12,634	49,424	1,322,958
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$18,202	\$70,104	\$3,628,859
CHEU Process Fuel Cost *	\$dollars	\$11,914	\$46,349	\$2,436,349
Rental compressor(s) fuel consumed (well head)	\$dollars	\$10,314	\$39,505	\$58,598
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$12,768	\$54,768	\$112,294
Rental compressor(s) helium in fuel (Mcf)	Mcf	152	652	1412
#1 Compressor run time *	hours	744	2,952	77,729
#2 Compressor run time *	hours	77	1,208	50,496
#3 Compressor run time *	hours	669	1,753	41,487

* Field/CHEU Compressor Operations based on Jan 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)	(\$223,111)	(\$9,350,072)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$12,540	\$50,161	\$2,336,501
Net Total - Cliffside Refiners, LP	(\$43,238)	(\$172,950)	(\$7,013,570)

* BLM provided fuel cost is based on Dec 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	744	100.0%	2,953	100.0%	81,579
Producing residue gas	744	100.0%	2,953	100.0%	80,682
Producing helium product	744	100.0%	2,953	100.0%	77,774
Producing natural gas liquids	744	100.0%	2,953	100.0%	76,278

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$230,978	\$931,304	\$23,766,576
Total operating costs	(\$820,176)	(\$3,283,404)	(\$100,512,014)
Labor	\$91,255	\$365,021	\$9,521,282
Compressor fuel cost Dec 12	\$19,321	\$66,291	\$3,661,472
HEU fuel cost Dec 12	\$11,659	\$43,217	\$2,469,262
Electrical power cost Dec 12	\$122,344	\$503,528	\$15,073,043
Other	\$81,911	\$330,606	\$9,891,941
Sub Total - Items provided by BLM	\$326,490	\$1,308,663	\$43,826,355
Total - Cliffside Refiners, LP, GDA030001	(\$493,685)	(\$1,974,741)	(\$56,685,659)

***Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Jan 13	3,220	12,692	419,415
Cheu Pure Water Usage (gallons) Jan 13	1,773	4,395	261,987
Electricity Metered (Kwh) consumed Dec 12	2,873,253	11,201,028	11,201,028