

Bureau of Land Management

Amarillo Field Office

Helium Operations



Statistical Report
for
February - 2014



Distribution:

Fluid Minerals Group Manager, Washington Office
NMSO, New Mexico State Director
NMSO, Associate State Director
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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: David V. Reeves

Issued: September 12, 2014

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

Samuel R. M. Burton

Date: *August 20, 2012*

Table 1 - Summary of Helium Operations

February - 2014

Helium Enrichment Unit Operations

Gas Processed	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	519,312	105,999	20.41%	2,943,219	649,977
Helium Product (Mcf*)	138,330	104,285	75.39%	838,851	640,726
Residue Natural Gas (Mcf*)	258,551	0	00.00%	1,420,877	0

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced

Gas Processed	Month	FYTD
Natural Gas Sales (Mcf****)	258,545	1,412,195
NGL Sales (gallons)	89,065	504,894

**** 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Total Withdrawn (Mcf*)	519,690	105,448	20.29%	2,946,110	644,833
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*)		185,202	290,442	268,402	18,532,002
Conservation Crude Sale Volume Transferred (Mcf*)	185,202	83,200	427,810	83,200	18,346,800
Conservation Helium in Storage (EOM) (Mcf*)		8,503,978			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	30,943	61,226	31,184	3,077,669
Sale Volumes Outstanding (Mcf*)	1,900			

* 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*)	47,843	31,417	65.67%	167,769
Crude Disposed (Mcf*)	193,594	141,776	73.23%	808,764
Net Balance (Mcf*)	(145,751)	(110,359)		(640,995)
Balance of Stored Helium End Of Month (Mcf*)		1,691,584		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges

Helium Storage Contracts (Charges Billed (\$))	Month	FYTD
Storage Fees Billed (\$)	\$294,409	\$1,167,901
Reservoir Management Fees Billed (\$)	\$186,860	\$1,095,985

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$60,945)	(\$304,724)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$16,364	\$81,822
Net-Total (Funded by the Refiners for compression costs.)	(\$44,580)	(\$222,902)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$186,860	\$1,095,985
Total operating costs	(\$917,630)	(\$4,511,872)
Sub Total - Items provided by BLM	\$415,771	\$2,002,577
Total - Cliffside Refiners, LP, GDA030001	(\$501,859)	(\$2,509,295)

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

	Month	FYTD
Conservation Crude Helium Sales	\$17,594,190	\$27,305,550
In Kind Sales	\$0	\$2,193,033
Natural Gas & Liquid Sales	\$2,148,501	\$7,524,748

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$65,260	\$4,856,373
Helium Sample Collection Report for month	Submitted - 0	Received - 0
	Analyzed - 18	

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

February - 2014

		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		519,690	212,938,697	105,448	39,955,036	130,062	52,436,547	252,258	107,912,065	27,175	10,863,824	4,747	1,771,225
BIVINS A-3	Feb-14	0	10,961,112	0	3,548,629	0	2,772,147	0	4,159,383	0	407,301	0	73,653
BIVINS A-6	Feb-14	44,974	10,849,409	24,917	6,454,501	11,445	2,666,280	7,498	1,528,713	781	150,851	333	49,065
BIVINS A-13	Feb-14	49,917	7,686,455	17,969	4,179,049	12,600	1,980,616	16,988	1,337,067	1,981	146,787	378	42,936
BIVINS A-14	Feb-14	47,427	8,530,532	18,001	5,151,326	11,965	2,165,528	15,333	1,054,158	1,723	112,365	405	47,155
BIVINS A-4	Feb-14	28,557	12,705,468	3,906	2,295,234	6,865	3,079,864	15,821	6,561,451	1,675	656,973	290	111,946
BUSH A-2	Feb-14	41,615	12,133,537	5,134	1,842,237	10,409	2,969,731	23,186	6,552,178	2,595	666,546	290	102,845
Injection	Feb-14	0	66,240,889	0	47,846,276	0	17,067,782	0	775,688	0	23	0	551,121
inj Bivins A-3	Feb-14	0	(25,652,315)	0	(18,384,452)	0	(6,554,549)	0	(332,777)	0	0	0	(380,537)
inj Bivins A-6	Feb-14	0	(24,201,365)	0	(17,514,139)	0	(6,437,517)	0	(138,222)	0	(12)	0	(111,475)
inj Bivins A-13	Feb-14	0	(6,490,417)	0	(4,706,191)	0	(1,656,853)	0	(122,391)	0	(2)	0	(4,980)
inj Bivins A-14	Feb-14	0	(6,501,333)	0	(4,767,421)	0	(1,602,106)	0	(126,303)	0	(7)	0	(5,497)
inj Bivins A-4	Feb-14	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Feb-14	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Feb-14	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Feb-14	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Feb-14	20,067	13,551,872	766	1,864,826	4,674	3,324,729	13,056	7,504,471	1,373	745,915	199	111,931
BIVINS A-5	Feb-14	25,841	15,488,936	4,633	1,944,829	6,560	3,792,500	13,031	8,740,500	1,418	876,641	200	134,466
BIVINS A-7	Feb-14	20,505	11,395,402	6,450	2,656,999	5,318	2,866,471	7,729	5,255,106	871	533,788	137	83,038
BIVINS A-9	Feb-14	26,785	9,837,548	567	185,954	6,936	2,413,431	17,244	6,493,324	1,821	654,536	217	90,302
BIVINS A-11	Feb-14	21,652	6,050,915	632	127,411	5,546	1,502,561	13,805	3,958,102	1,468	405,849	202	56,992
BIVINS A-15	Feb-14	32,686	9,024,086	571	416,691	7,721	2,151,781	21,778	5,785,306	2,227	578,227	389	92,082
BIVINS B-1	Feb-14	31,568	7,239,828	763	281,744	7,701	1,753,818	20,602	4,658,464	2,148	474,152	354	71,651
BIVINS B-2	Feb-14	27,896	6,019,754	530	113,312	7,135	1,505,390	17,882	3,916,289	1,876	402,272	472	82,491
BUSH A-1	Feb-14	0	5,721,962	0	104,140	0	1,356,677	0	3,830,281	0	374,216	0	56,647
BUSH A-3	Feb-14	28,670	11,476,054	9,809	2,646,503	7,278	2,833,377	10,208	5,355,442	1,137	540,172	238	100,560
BUSH A-4	Feb-14	17,207	8,233,232	2,176	1,535,217	4,385	2,057,195	9,515	4,158,037	1,031	422,988	100	59,796
BUSH A-5	Feb-14	27,483	15,675,851	8,035	3,559,954	6,992	3,930,951	11,060	7,332,072	1,233	743,017	162	109,857
BUSH A-8	Feb-14	11,448	3,840,913	212	70,293	2,852	927,551	7,434	2,541,134	770	255,321	180	46,613
BUSH A-9	Feb-14	0	3,860,914	0	105,037	0	930,915	0	2,537,187	0	253,463	0	34,312
BUSH A-11	Feb-14	15,040	4,356,059	369	128,485	3,596	1,041,804	9,854	2,847,248	1,021	288,935	199	49,587
BUSH B-1	Feb-14	347	3,222,165	6	60,508	83	764,438	230	2,153,770	24	211,898	3	31,551
FUQUA A-1	Feb-14	0	2,954,098	0	53,854	0	702,798	0	1,975,175	0	193,573	0	28,699
FUQUA A-2	Feb-14	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Feb-14	5	9,303,868	0	577,004	1	2,277,677	3	5,790,333	0	583,698	0	75,155
TT Fuel	Feb-14	0	0	0	0	0	0	0	0	0	0	0	0
field-wide pcts				20.29%	18.76%	25.03%	24.63%	48.54%	50.68%	5.23%	5.10%	0.91%	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 Feb-14 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 - 13	79.431	21.371
Injection 2003 - 13	(1.189)	(0.985)
Produced to Date 2014	1.128	0.236
Injected to Date 2014	0.000	0.000
Amount of Raw Gas Available to CHEU	101.194	=====> 12.632 total helium in reservoir
Estimated Bottom Hole Pressure	372.629	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

February - 2014

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	Feb-14	519,312	78,134,177	105,999	19,984,771	129,479	19,606,226	252,160	34,233,668	26,934	3,647,718	4,741	661,793
Calculated Feed	Feb-14	519,690	77,753,391	105,448	19,947,686	130,062	19,512,142	252,258	33,990,850	27,175	3,642,908	4,747	659,805
Feed to Box	Feb-14	515,922	77,288,271	105,448	19,947,865	130,062	19,512,224	252,258	33,990,896	27,175	3,642,915	979	194,371
Cheu Product	Feb-14	138,330	25,113,183	104,285	19,714,063	30,190	4,735,641	2,909	487,878	2	415	944	175,187
Residue	Feb-14	258,551	34,367,384	0	1,545	5,545	854,952	230,345	30,490,239	22,661	3,019,410	0	1,238
Cold Box Vent	Feb-14	88,373	13,225,860	62	87,129	79,270	11,735,628	9,028	1,342,172	0	135	13	60,795
Flare/Boot Strap	Feb-14	88,373	3,742,109	62	47,908	79,270	2,990,631	9,028	604,341	0	93,600	13	5,628
Fuel From Cheu	Feb-14	6,564	1,041,502	3	277	174	31,284	5,295	845,592	1,092	164,349	0	0
Shrinkage/Loss	Feb-14	3,420	350,507	0	0	0	0	0	0	3,420	350,507	0	0
Unaccounted*	Feb-14	20,684	2,209,609	1,098	88,754	14,883	1,780,161	4,681	336,802	(0)	1,085	21	2,807

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	8,619,112	1,687,800
net acceptances + redeliveries	0	0
In Kind Transfers	(30,943)	30,943
Conservation Crude Sales	(83,200)	83,200
Gain/loss	(991)	
Ending Inventory	8,503,978	1,691,584
Total Helium in Reservoir	12,631,661	
Total Helium in Storage	10,195,562	
Helium in native gas	2,436,099	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	31,791	23,408	73.63%
Measured to Pipeline (Private Plants)	47,843	31,474	65.79%
Measured from Pipeline (Private Plant)	193,594	141,776	73.23%
HEU Production	138,330	104,285	75.39%
Injection	0	0	00.00%
Production	0	0	
Ending Inventory	22,440	16,400	73.08%
Gain/Loss	(1,930)	(991)	

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

February - 2014

	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										
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										
Global Gases America, Contract no. INC13-0116										
Month										
FYTD										
Total month	0	0	0	0	0	0	0	0	\$0	
Total FYTD	12,369	1,952	37	13	4,490	14,013	32,874	32,369	\$2,193,033	
Total CYTD	0	0	0	0	0	0	0	0	\$0	
Cumulative	1,737,915	108,634	444	271,551	421,432	587,978	3,127,955	3,079,494	\$172,370,334	
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							30,943	61,226	31,184	3,077,669
Volume outstanding							1,900			

* 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

February - 2014

Helium & Natural Gas Sales

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$) ** (billed quarterly)	
Conservation Helium					
<u>Air Liquide Helium America, Inc.</u>					
Month	0	(5,334)	5,334	\$506,730	
FYTD	10,667	5,333	5,334	\$506,730	
Cumulative	281,217		275,884	\$19,338,180	
<u>Air Products, L.P.</u>					
Month	0	0	0	\$0	
FYTD	129,600	64,800	64,800	\$6,156,000	
Cumulative	7,178,995		7,114,195	\$467,209,039	
<u>Linde Gas North America, LLC</u>					
Month	0	(46,800)	46,800	\$4,446,000	
FYTD	93,600	46,800	46,800	\$4,446,000	
Cumulative	5,559,310		5,512,510	\$351,104,088	
<u>Keyes Helium Co., LLC</u>					
Month	0	0	0	\$0	
FYTD	14,400	0	40,440	\$3,555,360	
Cumulative	905,140		905,140	\$58,511,863	
<u>Matheson Tri-Gas, Inc.</u>					
Month	0	0	0	\$0	
FYTD	8,000	0	0	\$0	
Cumulative	18,000		14,000	\$967,500	
<u>Praxair, Inc.</u>					
Month	0	(122,400)	122,400	\$11,628,000	
FYTD	122,400	0	122,400	\$11,628,000	
Cumulative	4,493,305		4,493,305	\$307,442,511	
<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	
<u>Global Gases America</u>					
Month	0	(5,334)	5,334	\$506,730	
FYTD	10,667	5,333	5,334	\$506,730	
Cumulative	16,967		11,634	\$1,035,930	
<u>Airgas Merchant Gases</u>					
Month	0	(5,334)	5,334	\$506,730	
FYTD	10,667	5,333	5,334	\$506,730	
Cumulative	10,667		5,334	\$506,730	
Total month	0	(185,202)	185,202	\$17,594,190	
Total FYTD	400,001	127,599	290,442	\$27,305,550	
Total CYTD	400,001		268,402	\$25,498,190	
Cumulative	18,663,601		18,532,002	\$1,217,150,840	
Conservation Crude Transfers					
		Month	FYTD	CYTD	Cumulative
Transferred		83,200	427,810	83,200	18,346,800
Volume outstanding		185,202			

* 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	258,545	---	283,545	1,097	(\$27,997)
FYTD	1,412,195	---	1,550,059	1,098	(\$139,985)
Cumulative	33,719,884	---	37,042,186	1,099	(\$3,714,583)
<u>Minerals Management Service</u>					
		No Longer Provides Natural Gas Marketing Services			
Cumulative	---	---	---	---	(\$179,913)
<u>Tenaska</u>					
		Purchaser - Natural Gas		\$\$/Unit	
Month	---	---	282,900	\$7.236750	\$2,047,277
FYTD	---	---	1,547,400	\$4.493935	\$6,953,916
Cumulative	---	---	36,779,296	\$4.885380	\$178,854,302
<u>Sandstone</u>					
		Purchaser - Natural Gas Liquids			
Month	---	89,065	9,422	\$13.714898	\$129,222
FYTD	---	504,894	53,599	\$13.261757	\$710,817
Cumulative	---	10,054,472	1,072,270	\$12.437730	\$13,336,605
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$\$ Per Unit (\$\$/Dth)	Total (\$\$)
Total month	258,545	89,065	292,322	\$7.349777	\$2,148,501
Total FYTD	1,412,195	504,894	1,600,999	\$4.700033	\$7,524,748
Total CYTD	554,234	190,259	623,726	\$5.999295	\$3,741,916
Cumulative	33,719,884	10,054,472	37,851,566	\$4.996437	\$188,296,410

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

February - 2014

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$49,696	\$4,833,190
Natural Gas Royalties (1)	\$0	\$0
Natural Gas Rentals	\$0	\$0
Other	\$23,183	\$139,969
Revenue Collected from Federal Lease Holds	\$65,260	\$4,856,373

*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	0
Total Number of Samples Analyzed For Resources Division	2	22
Total Number of Other Samples Analyzed (2)	18	96

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

February - 2014

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	47,843	65.7%	31,417	167,769	67,944	30,870,437	153,808	51,913,775			
Crude Disposed	193,594	73.2%	141,776	808,764	305,057	48,482,191	39,665	31,131,719	\$294,409	Storage Fees	
Grade-A Rdlvrd	0		0	0	0	1,478,718			\$186,860	RMF Fees	
Net/Balance	(145,751)		(110,359)	(640,995)	(237,113)	(19,090,472)	114,143	20,782,056	1,691,584	\$481,269	\$2,263,886
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											
Crude Disposed											
Net/Balance											

Government Helium	
Remaining Crude Acquired beginning of the month	8,619,112
Crude Disposed: In Kind Sales transferred for the month	(30,943)
Conservation Crude Sales/Reserve Sell Down transferred (month)	(83,200)
Gains and Losses for the month	(991)
Net/Balance of Purchased Helium Remaining for Sale	8,503,978

*Includes In Kind and Conservation Crude transfers from Government storage

**Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations)

February - 2014

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$7.24	\$5.33	\$5.17
Fuel used * (now includes field compression well head)	total MMBTU	9,337	52,018	1,463,972
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$31,168	\$109,483	\$3,885,020
CHEU Process Fuel Cost *	\$dollars	\$23,762	\$79,830	\$2,611,970
Rental compressor(s) fuel consumed (well head)	\$dollars	\$12,663	\$44,313	\$170,663
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$6,935	\$43,885	\$239,675
Rental compressor(s) helium in fuel (Mcf)	Mcf	73	499	2905
#1 Compressor run time *	hours	672	3,609	85,868
#2 Compressor run time *	hours	245	1,238	53,265
#3 Compressor run time *	hours	430	2,431	49,105

* Field/CHEU Compressor Operations based on Feb 14 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)	(\$60,945)	(\$304,724)	(\$10,101,017)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$16,364	\$81,822	\$2,518,646
Net Total - Cliffside Refiners, LP	(\$44,580)	(\$222,902)	(\$7,582,372)

* BLM provided fuel cost is based on Jan 14 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	672	100.0%	3,625	100.0%	90,911
Producing residue gas	672	100.0%	3,625	100.0%	89,948
Producing helium product	672	100.0%	3,625	100.0%	87,004
Producing natural gas liquids	672	100.0%	3,606	99.5%	85,509

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$186,860	\$1,095,985	\$26,411,389
Total operating costs	(\$917,630)	(\$4,511,872)	(\$111,529,569)
Labor	\$133,564	\$667,818	\$10,919,141
Compressor fuel cost Jan 14	\$25,708	\$89,599	\$3,899,005
HEU fuel cost Jan 14	\$17,106	\$62,590	\$2,628,735
Electrical power cost Jan 14	\$145,725	\$735,742	\$16,750,174
Other	\$93,668	\$446,828	\$10,978,724
Sub Total - Items provided by BLM	\$415,771	\$2,002,577	\$48,385,132
Total - Cliffside Refiners, LP, GDA030001	(\$501,859)	(\$2,509,295)	(\$63,144,436)

***Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Feb 14	2,839	15,360	458,669
Cheu Pure Water Usage (gallons) Feb 14	1,599	5,310	272,672
Electricity Metered (Kwh) consumed Jan 14	2,930,699	14,093,063	47,647,756