

Bureau of Land Management

Amarillo Field Office

Helium Operations



Statistical Report for July - 2014



Distribution:

Fluid Minerals Group Manager, Washington Office
NMSO, New Mexico State Director
NMSO, Associate State Director
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-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 19, 2014

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

Brent Gage (Acting)

Date: *September 19, 2014*

Table 1 - Summary of Helium Operations

July - 2014

Helium Enrichment Unit Operations

Gas Processed	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	437,603	79,094	18.07%	5,410,946	1,112,107
Helium Product (Mcf*)	104,006	77,751	74.76%	1,441,399	1,092,705
Residue Natural Gas (Mcf*)	226,449	0	00.00%	2,650,549	8

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced

Gas Processed	Month	FYTD
Natural Gas Sales (Mcf****)	226,449	2,676,760
NGL Sales (gallons)	89,129	926,402

*** 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Total Withdrawn (Mcf*)	436,863	78,462	17.96%	5,412,855	1,102,669
Crude Injection (Mcf*)	18,098	13,441	74.27%	38,920	28,781
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	622,041	610,001	18,873,601
Conservation Crude Sale Volume Transferred (Mcf*)	11,000	181,440	943,611	599,001	18,862,601
Conservation Helium in Storage (EOM) (Mcf*)		7,951,378			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	0	82,678	52,636	3,099,121
Sale Volumes Outstanding (Mcf*)	36,538			

* 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*)	40,909	26,098	63.80%	323,085
Crude Disposed (Mcf*)	131,253	94,047	71.65%	1,366,237
Net Balance (Mcf*)	(90,344)	(67,949)		(1,043,152)
Balance of Stored Helium End Of Month (Mcf*)		1,826,680		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges

Helium Storage Contracts (Charges Billed (\$))	Month	FYTD
Storage Fees Billed (\$)	\$294,595	\$2,638,293
Reservoir Management Fees Billed (\$)	\$112,313	\$1,788,792

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$60,945)	(\$609,447)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$16,364	\$163,644
Net-Total (Funded by the Refiners for compression costs.)	(\$44,580)	(\$445,803)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$112,313	\$1,788,792
Total operating costs	(\$904,323)	(\$9,010,420)
Sub Total - Items provided by BLM	\$402,464	\$3,991,831
Total - Cliffside Refiners, LP, GDA030001	(\$501,859)	(\$5,018,590)

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

	Month	FYTD
Conservation Crude Helium Sales	\$0	\$58,807,455
In Kind Sales	\$0	\$6,063,210
Natural Gas & Liquid Sales	\$1,082,795	\$13,788,831

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$2,607,561	\$12,252,357
Helium Sample Collection Report for month	Submitted - 0	Received - 0
		Analyzed - 24

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

July - 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		436,863	215,405,443	78,462	40,412,872	108,735	53,052,578	221,726	109,148,744	23,852	10,997,202	4,089	1,794,048
BIVINS A-3	Jul-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	Jul-14	11,422	10,975,803	8,435	6,526,670	2,653	2,698,061	256	1,548,225	3	152,864	75	49,983
BIVINS A-13	Jul-14	28,951	7,892,139	10,430	4,253,056	7,298	2,032,488	9,855	1,407,111	1,149	154,989	220	44,495
BIVINS A-14	Jul-14	42,204	8,755,426	15,190	5,233,779	10,630	2,222,199	14,404	1,129,503	1,616	120,856	365	49,090
BIVINS A-4	Jul-14	25,127	12,843,311	3,243	2,313,316	6,030	3,112,956	14,103	6,638,544	1,492	665,131	259	113,364
BUSH A-2	Jul-14	37,005	12,334,785	4,257	1,865,872	9,251	3,020,052	20,900	6,665,389	2,341	679,224	255	104,247
Injection	Jul-14	18,098	66,279,809	13,441	47,875,057	4,172	17,076,877	366	776,476	0	24	119	551,375
inj Bivins A-3	Jul-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	Jul-14	(13,259)	(24,235,446)	(9,850)	(17,539,312)	(3,055)	(6,445,513)	(267)	(138,913)	(0)	(12)	(87)	(111,697)
inj Bivins A-13	Jul-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	Jul-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	Jul-14	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Jul-14	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Jul-14	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Jul-14	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Jul-14	17,486	13,646,270	633	1,868,294	4,064	3,346,686	11,410	7,566,013	1,206	752,412	173	112,865
BIVINS A-5	Jul-14	21,959	15,612,033	3,853	1,966,531	5,571	3,823,738	11,148	8,802,897	1,217	883,453	169	135,414
BIVINS A-7	Jul-14	16,960	11,490,895	5,299	2,686,911	4,395	2,891,224	6,425	5,291,212	728	537,873	112	83,674
BIVINS A-9	Jul-14	24,109	9,950,173	515	188,349	6,233	2,442,573	15,520	6,565,830	1,646	662,207	195	91,214
BIVINS A-11	Jul-14	18,857	6,154,941	554	130,460	4,826	1,529,191	12,022	4,024,426	1,277	412,899	177	57,965
BIVINS A-15	Jul-14	30,217	9,185,813	529	419,518	7,131	2,189,963	20,138	5,893,082	2,060	589,242	360	94,008
BIVINS B-1	Jul-14	31,376	7,411,505	752	285,862	7,651	1,795,687	20,476	4,770,500	2,140	485,863	357	73,593
BIVINS B-2	Jul-14	24,984	6,156,014	475	115,906	6,383	1,540,213	16,019	4,003,646	1,680	411,439	427	84,810
BUSH A-1	Jul-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	Jul-14	25,749	11,608,376	8,560	2,690,760	6,529	2,866,939	9,398	5,403,485	1,049	545,531	214	101,661
BUSH A-4	Jul-14	8,897	8,313,833	1,026	1,545,077	2,267	2,077,723	5,011	4,202,902	542	427,873	51	60,259
BUSH A-5	Jul-14	36,652	15,871,111	10,530	3,616,505	9,325	3,980,638	14,919	7,411,130	1,665	751,838	213	111,000
BUSH A-8	Jul-14	19,434	3,937,103	360	72,075	4,840	951,505	12,619	2,603,593	1,309	261,800	307	48,129
BUSH A-9	Jul-14	0	3,860,915	0	105,037	0	930,915	0	2,537,187	0	253,463	0	34,312
BUSH A-11	Jul-14	7,285	4,397,491	167	129,464	1,741	1,051,706	4,782	2,874,423	496	291,756	98	50,141
BUSH B-1	Jul-14	3,345	3,242,885	62	60,893	800	769,401	2,218	2,167,494	235	213,358	31	31,740
FUQUA A-1	Jul-14	0	2,954,098	0	53,854	0	702,798	0	1,975,175	0	193,573	0	28,699
FUQUA A-2	Jul-14	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Jul-14	6	9,303,882	0	577,005	2	2,277,680	4	5,790,341	0	583,699	0	75,158
TT Fuel	Jul-14	1	0	0	0	0	0	0	0	0	0	0	0
field-wide pct's				17.96%	18.76%	24.89%	24.63%	50.75%	50.67%	5.46%	5.11%	0.94%	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 Jul-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	3.595	0.694
Injected to Date 2014	(0.039)	(0.029)
Amount of Raw Gas Available to CHEU	98.766	=====> 12.203 total helium in reservoir
Estimated Bottom Hole Pressure	363.697	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

July - 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	Jul-14	437,603	80,601,905	79,094	20,446,901	108,767	20,220,605	222,000	35,470,028	23,665	3,779,810	4,077	684,560
Calculated Feed	Jul-14	439,230	80,222,759	78,112	20,405,162	108,794	20,128,309	224,118	35,230,089	24,102	3,776,555	4,104	682,644
Feed to Box	Jul-14	435,844	79,738,991	78,112	20,405,340	108,794	20,128,391	224,118	35,230,135	24,102	3,776,560	718	198,564
Cheu Product	Jul-14	104,006	25,715,732	77,751	20,166,042	23,480	4,869,897	2,087	500,140	2	425	686	179,228
Residue	Jul-14	226,449	35,597,056	0	1,553	5,365	883,166	201,285	31,584,629	19,799	3,126,469	0	1,238
Cold Box Vent	Jul-14	75,931	13,638,224	52	87,453	67,389	12,104,665	8,484	1,385,129	(0)	135	6	60,842
Flare/Boot Strap	Jul-14	75,931	4,154,473	52	48,232	67,389	3,359,667	8,484	647,298	(0)	93,600	6	5,676
Fuel From Cheu	Jul-14	7,151	1,078,497	3	294	194	32,261	5,770	875,435	1,184	170,507	0	0
Shrinkage/Loss	Jul-14	3,117	367,695	0	0	0	0	0	0	3,117	367,695	0	0
Unaccounted*	Jul-14	19,191	2,311,002	306	91,749	12,367	1,848,755	6,493	366,525	0	1,085	26	2,889

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	8,137,054	1,713,189
net acceptances + redeliveries	0	0
	0	(67,949)
In Kind Transfers	0	0
Conservation Crude Sales	(181,440)	181,440
Gain/loss	(4,237)	
Ending Inventory	7,951,378	1,826,680
Total Helium in Reservoir	12,202,606	
Total Helium in Storage	9,778,058	
Helium in native gas	2,424,548	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	42,626	30,453	71.44%
Measured to Pipeline (Private Plants)	40,909	26,495	64.77%
Measured from Pipeline (Private Plant:	131,093	94,047	71.74%
HEU Production	104,006	77,751	74.76%
Injection	18,098	13,441	74.27%
Production	0	0	
Ending Inventory	31,978	22,974	71.84%
Gain/Loss	(6,372)	(4,237)	

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

July - 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	30,070	1,975	42	41	4,724	52,990	89,842	88,459	\$6,063,210	
Total CYTD	17,701	23	6	28	234	38,977	56,968	56,090	\$3,870,176	
Cumulative	1,755,616	108,657	449	271,579	421,666	626,955	3,184,923	3,135,584	\$176,240,510	
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							0	82,678	52,636	3,099,121
Volume outstanding							36,538			

* 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

July - 2014

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	14,667	0	14,667	\$1,393,365	
Cumulative	285,217		285,217	\$20,224,815	
<u>Air Products, L.P.</u>					
Month	72,813	0	0	\$0	
FYTD	270,453	72,813	197,640	\$18,775,800	
Cumulative	7,319,848		7,247,035	\$479,828,839	
<u>Linde Gas North America, LLC</u>					
Month	0	0	0	\$0	
FYTD	142,740	0	142,740	\$13,560,300	
Cumulative	5,608,450		5,608,450	\$360,218,388	
<u>Keyes Helium Co., LLC</u>					
Month	0	0	0	\$0	
FYTD	21,960	0	48,000	\$4,273,560	
Cumulative	912,700		912,700	\$59,230,063	
<u>Matheson Tri-Gas, Inc.</u>					
Month	0	0	0	\$0	
FYTD	14,000	0	0	\$0	
Cumulative	24,000		24,000	\$1,917,500	
<u>Praxair, Inc.</u>					
Month	20,000	0	0	\$0	
FYTD	206,660	20,000	186,660	\$17,732,700	
Cumulative	4,577,565		4,557,565	\$313,547,211	
<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	0	0	\$0	
FYTD	16,667	0	16,667	\$1,583,365	
Cumulative	22,967		22,967	\$2,112,565	
<u>Airgas Merchant Gases</u>					
Month	0	0	0	\$0	
FYTD	15,667	0	15,667	\$1,488,365	
Cumulative	15,667		15,667	\$1,488,365	
Total month	92,813	0	0	\$0	
Total FYTD	702,814	92,813	622,041	\$58,807,455	
Total CYTD	702,814		610,001	\$57,950,095	
Cumulative	18,966,414		18,873,601	\$1,249,602,745	
Conservation Crude Transfers					
		Month	FYTD	CYTD	Cumulative
Transferred		181,440	943,611	599,001	18,862,601
Volume outstanding		11,000			

* 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>					
		Provides Measured Firm/Interruptible Transportation Services			
Month	226,449	---	247,433	1,093	(\$27,997)
FYTD	2,676,760	---	2,931,571	1,095	(\$279,970)
Cumulative	34,984,449	---	38,423,698	1,098	(\$3,854,568)
<u>Minerals Management Service</u>					
		No Longer Provides Natural Gas Marketing Services			
Cumulative	---	---	---	---	(\$179,913)
<u>Tenaska</u>					
		Purchaser - Natural Gas		\$/Unit	
Month	---	---	257,500	\$3.824600	\$984,835
FYTD	---	---	2,883,434	\$4.425906	\$12,761,807
Cumulative	---	---	38,115,330	\$4.866513	\$184,662,194
<u>Sandstone</u>					
		Purchaser - Natural Gas Liquids			
Month	---	89,129	9,544	\$13.197569	\$125,958
FYTD	---	926,402	98,607	\$13.254569	\$1,306,993
Cumulative	---	10,475,980	1,117,278	\$12.470291	\$13,932,781
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$/Per Unit (\$/Dth)	Total (\$)
Total month	226,449	89,129	267,044	\$4.054744	\$1,082,795
Total FYTD	2,676,760	926,402	2,982,041	\$4.623957	\$13,788,831
Total CYTD	1,818,799	611,767	2,004,768	\$4.991101	\$10,005,999
Cumulative	34,984,449	10,475,980	39,232,608	\$4.980221	\$194,560,493

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

July - 2014

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$2,607,993	\$12,223,070
Natural Gas Royalties (1)	\$0	\$0
Natural Gas Rentals	\$0	\$0
Other	\$29,287	\$275,411
Revenue Collected from Federal Lease Holds	\$2,607,561	\$12,252,357

*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	65
Total Number of Samples Analyzed For Resources Division	0	87
Total Number of Other Samples Analyzed (2)	24	177

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

July - 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	40,909	63.8%	26,098	323,085	223,260	31,025,753	201,997	52,624,404			
Crude Disposed	131,253	71.7%	94,047	1,366,237	862,530	49,039,664	20,557	31,305,095	\$294,595	Storage Fees	
Grade-A Rdlvrd	0		0	0	0	1,478,718			\$112,313	RMF Fees	
Net/Balance	(90,344)		(67,949)	(1,043,152)	(639,270)	(19,492,629)	181,440	21,319,309	1,826,680	\$406,908	\$4,427,084
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	8,137,054
Crude Disposed: In Kind Sales transferred for the month	0
Conservation Crude Sales/Reserve Sell Down transferred (montl	(181,440)
Gains and Loses for the month	(4,237)
Net/Balance of Purchased Helium Remaining for Sale	7,951,378

*Includes In Kind and Conservation Crude transfers from Government storage

**Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations)

July - 2014

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$3.82	\$5.03	\$5.15
Fuel used * (now includes field compression well head)	total MMBTU	8,782	100,361	1,512,315
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$20,513	\$225,248	\$4,000,785
CHEU Process Fuel Cost *	\$dollars	\$11,063	\$150,671	\$2,682,811
Rental compressor(s) fuel consumed (well head)	\$dollars	\$1,971	\$67,982	\$194,332
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$1,330	\$61,175	\$256,965
Rental compressor(s) helium in fuel (Mcf)	Mcf	14	681	3087
#1 Compressor run time *	hours	647	6,709	88,968
#2 Compressor run time *	hours	0	2,006	54,033
#3 Compressor run time *	hours	646	5,275	51,949

* Field/CHEU Compressor Operations based on Jul 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)	(\$609,447)	(\$10,405,741)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$16,364	\$163,644	\$2,600,468
Net Total - Cliffside Refiners, LP	(\$44,580)	(\$445,803)	(\$7,805,273)

* BLM provided fuel cost is based on Jun 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	646	86.8%	7,079	97.0%	94,365
Producing residue gas	646	86.8%	6,987	95.8%	93,309
Producing helium product	646	86.8%	6,985	95.7%	90,363
Producing natural gas liquids	646	86.8%	6,960	95.4%	88,863

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$112,313	\$1,788,792	\$27,104,196
Total operating costs	(\$904,323)	(\$9,010,420)	(\$116,028,117)
Labor	\$133,564	\$1,335,636	\$11,586,958
Compressor fuel cost Jun 14	\$23,912	\$216,019	\$4,025,425
HEU fuel cost Jun 14	\$14,065	\$146,130	\$2,712,275
Electrical power cost Jun 14	\$150,552	\$1,426,956	\$17,441,387
Other	\$80,371	\$867,090	\$11,398,986
Sub Total - Items provided by BLM	\$402,464	\$3,991,831	\$50,374,386
Total - Cliffside Refiners, LP, GDA030001	(\$501,859)	(\$5,018,590)	(\$65,653,731)

***Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
CheU Fuel Gas (Mcf) usage Jul 14	2,505	29,501	472,810
CheU Pure Water Usage (gallons) Jul 14	462	9,554	276,917
Electricity Metered (Kwh) consumed Jun 14	2,935,492	27,485,501	61,040,194