

Bureau of Land Management

Amarillo Field Office

Helium Operations



Statistical Report for June - 2014



Distribution:

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

List of Tables

Table 1 - Summary of Helium Operations
Table 2 - Bush Dome Reservoir Operations
Table 3 - Gas Volumes & Inventory
Table 4 - In Kind Helium Sales
Table 5 - Conservation Crude Sales/Reserve Sell-down
Table 5 - Natural Gas/Liquid Sales
Table 6 - Helium Resources Evaluation
Table 7 - Helium Storage Contract Activity
Table 8 - Compression & CHEU (Charges & Operations)

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

June - 2014

Helium Enrichment Unit Operations

Gas Processed	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	474,068	75,639	15.96%	4,973,343	1,033,013
Helium Product (Mcf*)	99,768	73,521	73.69%	1,337,394	1,014,954
Residue Natural Gas (Mcf*)	241,453	0	00.00%	2,424,100	8

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced

Gas Processed	Month	FYTD
Natural Gas Sales (Mcf***)	241,448	2,450,311
NGL Sales (gallons)	81,843	837,273

*** 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Total Withdrawn (Mcf*)	474,692	74,744	15.75%	4,975,992	1,024,207
Crude Injection (Mcf*)	17,810	13,108	73.60%	20,823	15,340
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*)		192,440	622,041	610,001	18,873,601
Conservation Crude Sale Volume Transferred (Mcf*)	192,440	149,159	762,171	417,561	18,681,161
Conservation Helium in Storage (EOM) (Mcf*)		8,137,054			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	1,246	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*)	46,712	30,799	65.93%	296,987
Crude Disposed (Mcf*)	124,227	88,987	71.63%	1,272,190
Net Balance (Mcf*)	(77,515)	(58,188)		(975,203)
Balance of Stored Helium End Of Month (Mcf*)		1,713,189		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges

Helium Storage Contracts (Charges Billed (\$))	Month	FYTD
Storage Fees Billed (\$)	\$293,122	\$2,343,698
Reservoir Management Fees Billed (\$)	\$96,519	\$1,676,478

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$60,945)	(\$548,502)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$16,364	\$147,280
Net-Total (Funded by the Refiners for compression costs.)	(\$44,580)	(\$401,223)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$96,519	\$1,676,478
Total operating costs	(\$891,164)	(\$8,106,097)
Sub Total - Items provided by BLM	\$389,305	\$3,589,367
Total - Cliffside Refiners, LP, GDA030001	(\$501,859)	(\$4,516,731)

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

	Month	FYTD
Conservation Crude Helium Sales	\$18,281,800	\$58,807,455
In Kind Sales	\$2,012,454	\$6,063,210
Natural Gas & Liquid Sales	\$1,164,756	\$12,706,035

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$906,114	\$9,644,796
Helium Sample Collection Report for month	Submitted - 0	Received - 0
	Analyzed - 13	

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

June - 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		<u>474,692</u>	<u>214,968,579</u>	<u>74,744</u>	<u>40,334,410</u>	<u>118,473</u>	<u>52,943,843</u>	<u>250,057</u>	<u>108,927,018</u>	<u>26,942</u>	<u>10,973,350</u>	<u>4,474</u>	<u>1,789,958</u>
BIVINS A-3	Jun-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	Jun-14	1,855	10,964,381	1,381	6,518,235	425	2,695,409	37	1,547,968	0	152,861	12	49,908
BIVINS A-13	Jun-14	30,393	7,863,188	11,074	4,242,627	7,663	2,025,189	10,231	1,397,256	1,196	153,840	229	44,276
BIVINS A-14	Jun-14	46,068	8,713,222	16,710	5,218,589	11,605	2,211,569	15,601	1,115,099	1,757	119,240	396	48,725
BIVINS A-4	Jun-14	27,793	12,818,184	3,612	2,310,073	6,670	3,106,926	15,575	6,624,441	1,649	663,639	287	113,105
BUSH A-2	Jun-14	39,637	12,297,780	4,582	1,861,615	9,908	3,010,802	22,366	6,644,489	2,506	676,882	275	103,992
Injection	Jun-14	17,810	66,261,712	13,108	47,861,616	4,223	17,072,706	362	776,111	0	24	116	551,257
inj Bivins A-3	Jun-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	Jun-14	(17,810)	(24,222,187)	(13,092)	(17,529,462)	(4,239)	(6,442,457)	(364)	(138,646)	(0)	(12)	(116)	(111,610)
inj Bivins A-13	Jun-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	Jun-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	Jun-14	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Jun-14	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Jun-14	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Jun-14	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Jun-14	18,966	13,628,783	690	1,867,661	4,408	3,342,622	12,371	7,554,603	1,309	751,206	188	112,691
BIVINS A-5	Jun-14	24,669	15,590,074	4,334	1,962,678	6,260	3,818,167	12,517	8,791,749	1,368	882,236	190	135,245
BIVINS A-7	Jun-14	18,921	11,473,936	5,921	2,681,612	4,904	2,886,829	7,159	5,284,787	811	537,145	126	83,562
BIVINS A-9	Jun-14	29,537	9,926,064	628	187,835	7,640	2,436,340	19,014	6,550,310	2,016	660,561	239	91,019
BIVINS A-11	Jun-14	22,176	6,136,085	651	129,906	5,676	1,524,365	14,139	4,012,404	1,502	411,622	208	57,788
BIVINS A-15	Jun-14	33,027	9,155,596	578	418,989	7,795	2,182,832	22,009	5,872,944	2,252	587,182	393	93,648
BIVINS B-1	Jun-14	34,965	7,380,129	838	285,110	8,526	1,788,036	22,818	4,750,023	2,386	483,724	397	73,236
BIVINS B-2	Jun-14	27,739	6,131,030	528	115,431	7,088	1,533,830	17,785	3,987,627	1,866	409,759	473	84,382
BUSH A-1	Jun-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	Jun-14	27,281	11,582,627	9,065	2,682,201	6,917	2,860,410	9,961	5,394,087	1,112	544,481	227	101,447
BUSH A-4	Jun-14	17,187	8,304,936	2,092	1,544,051	4,377	2,075,455	9,576	4,197,891	1,044	427,331	99	60,209
BUSH A-5	Jun-14	39,404	15,834,460	11,349	3,605,975	10,024	3,971,313	16,014	7,396,211	1,788	750,174	230	110,787
BUSH A-8	Jun-14	21,957	3,917,669	407	71,715	5,468	946,666	14,257	2,590,974	1,478	260,492	347	47,822
BUSH A-9	Jun-14	0	3,860,915	0	105,037	0	930,915	0	2,537,187	0	253,463	0	34,312
BUSH A-11	Jun-14	9,120	4,390,207	215	129,297	2,180	1,049,966	5,982	2,869,641	621	291,260	122	50,043
BUSH B-1	Jun-14	3,987	3,239,540	75	60,831	954	768,601	2,642	2,165,277	280	213,122	36	31,710
FUQUA A-1	Jun-14	0	2,954,098	0	53,854	0	702,798	0	1,975,175	0	193,573	0	28,699
FUQUA A-2	Jun-14	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Jun-14	9	9,303,877	0	577,004	2	2,277,679	4	5,790,337	0	583,699	0	75,157
TT Fuel	Jun-14	146	0	3	0	35	0	96	0	10	0	1	0
field-wide pcts				15.75%	18.76%	24.96%	24.63%	52.68%	50.67%	5.68%	5.10%	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	Jun-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		3.158	0.616
Injected to Date 2014		(0.021)	(0.015)
Amount of Raw Gas Available to CHEU		99.185	=====> 12.268 total helium in reservoir
Estimated Bottom Hole Pressure		365.238	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 - 2014

Crude Helium Enrichment Unit Operations

		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
Measured Feed	Jun-14	474,068	80,164,302	75,639	20,367,807	117,918	20,111,839	249,437	35,248,027	26,620	3,756,145	4,454	680,483
Calculated Feed	Jun-14	474,724	79,783,529	74,729	20,327,050	118,496	20,019,515	250,081	35,005,971	26,944	3,752,453	4,474	678,540
Feed to Box	Jun-14	470,920	79,303,146	74,729	20,327,228	118,496	20,019,597	250,081	35,006,017	26,944	3,752,458	670	197,846
Cheu Product	Jun-14	99,768	25,611,726	73,521	20,088,291	23,562	4,846,418	2,036	498,053	2	423	647	178,541
Residue	Jun-14	241,453	35,370,606	0	1,553	5,564	877,801	214,826	31,383,344	21,063	3,106,670	0	1,238
Cold Box Vent	Jun-14	78,203	13,562,293	49	87,401	69,390	12,037,276	8,761	1,376,645	(0)	135	4	60,836
Flare/Boot Strap	Jun-14	78,203	4,078,542	49	48,180	69,390	3,292,278	8,761	638,814	(0)	93,600	4	5,670
Fuel From Cheu	Jun-14	7,662	1,071,346	4	291	198	32,067	6,179	869,665	1,280	169,323	0	0
Shrinkage/Loss	Jun-14	3,077	364,579	0	0	0	0	0	0	3,077	364,579	0	0
Unaccounted*	Jun-14	17,669	2,291,811	261	91,443	12,706	1,836,388	4,693	360,032	0	1,085	9	2,863

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	8,292,098	1,620,972
net acceptances + redeliveries	0	0
	0	(58,188)
In Kind Transfers	(1,246)	1,246
Conservation Crude Sales	(149,159)	149,159
Gain/loss	(4,639)	
Ending Inventory	8,137,054	1,713,189
Total Helium in Reservoir	12,267,626	
Total Helium in Storage	9,850,243	
Helium in native gas	2,417,383	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	45,189	32,775	72.53%
Measured to Pipeline (Private Plants)	46,712	30,892	66.13%
Measured from Pipeline (Private Plant)	124,227	88,987	71.63%
HEU Production	99,768	73,521	73.69%
Injection	17,810	13,108	73.60%
Production	0	0	
Ending Inventory	42,626	30,453	71.44%
Gain/Loss	(7,006)	(4,639)	

Tuck Trigg Reservoir Operations

Native Gas (Gross)	Month	Fiscal Year	Since Field
			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 - 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	8,905	17	2	8	109	20,584	29,625	29,166	\$2,012,454	
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							1,246	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
Helium & Natural Gas Sales

June - 2014

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$)*** (billed quarterly)	
Conservation Helium					
Air Liquide Helium America, Inc.					
Month	0	0	0	\$0	
FYTD	14,667	0	14,667	\$1,393,365	
Cumulative	285,217		285,217	\$20,224,815	
Air Products, L.P.					
Month	0	(68,040)	68,040	\$6,463,800	
FYTD	197,640	0	197,640	\$18,775,800	
Cumulative	7,247,035		7,247,035	\$479,828,839	
Linde Gas North America, LLC					
Month	0	(49,140)	49,140	\$4,668,300	
FYTD	142,740	0	142,740	\$13,560,300	
Cumulative	5,608,450		5,608,450	\$360,218,388	
Keyes Helium Co., LLC					
Month	0	0	0	\$0	
FYTD	21,960	0	48,000	\$4,273,560	
Cumulative	912,700		912,700	\$59,230,063	
Matheson Tri-Gas, Inc.					
Month	0	0	0	\$0	
FYTD	14,000	0	0	\$0	
Cumulative	24,000		24,000	\$1,917,500	
Praxair, Inc.					
Month	0	(64,260)	64,260	\$6,104,700	
FYTD	186,660	0	186,660	\$17,732,700	
Cumulative	4,557,565		4,557,565	\$313,547,211	
Linde Gas, LLC discontinued 10 2008					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	200,000		200,000	\$11,035,000	
Global Gases America					
Month	0	(6,000)	6,000	\$570,000	
FYTD	16,667	0	16,667	\$1,583,365	
Cumulative	22,967		22,967	\$2,112,565	
Airgas Merchant Gases					
Month	0	(5,000)	5,000	\$475,000	
FYTD	15,667	0	15,667	\$1,488,365	
Cumulative	15,667		15,667	\$1,488,365	
Total month					
	0	(192,440)	192,440	\$18,281,800	
Total FYTD					
	610,001	0	622,041	\$58,807,455	
Total CYTD					
	610,001		610,001	\$57,950,095	
Cumulative					
	18,873,601		18,873,601	\$1,249,602,745	
Conservation Crude Transfers					
Transferred		Month	FYTD	CYTD	Cumulative
Volume outstanding		149,159	762,171	417,561	18,681,161
		192,440			

* 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)
EI Paso Natural Gas					
Provides Measured Firm/Interruptible Transportation Services					
Month	241,448	---	262,838	1,089	(\$27,997)
FYTD	2,450,311	---	2,684,138	1,095	(\$251,973)
Cumulative	34,758,000	---	38,176,265	1,098	(\$3,826,571)
Minerals Management Service					
No Longer Provides Natural Gas Marketing Services					
Cumulative	---	---	---	---	(\$179,913)
Tenaska					
Purchaser - Natural Gas					
Month	---	---	254,734	\$4.230958	\$1,077,769
FYTD	---	---	2,625,934	\$4.484870	\$11,776,973
Cumulative	---	---	37,857,830	\$4.873600	\$183,677,359
Sandstone					
Purchaser - Natural Gas Liquids					
Month	---	81,843	8,738	\$13.159057	\$114,984
FYTD	---	837,273	89,063	\$13.260677	\$1,181,036
Cumulative	---	10,386,851	1,107,734	\$12.464025	\$13,806,824
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$\$ Per Unit (\$\$/Dth)	Total (\$\$)
Total month	241,448	81,843	263,472	\$4.420795	\$1,164,756
Total FYTD	2,450,311	837,273	2,714,997	\$4.679945	\$12,706,035
Total CYTD	1,592,350	522,638	1,737,724	\$5.134995	\$8,923,204
Cumulative	34,758,000	10,386,851	38,965,564	\$4.986563	\$193,477,698

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

June - 2014

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$900,507	\$9,615,077
Natural Gas Royalties (1)	\$0	\$0
Natural Gas Rentals	\$0	\$0
Other	\$29,719	\$246,125
Revenue Collected from Federal Lease Holds	\$906,114	\$9,644,796

*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	65	65
Total Number of Samples Analyzed For Resources Division	65	87
Total Number of Other Samples Analyzed (2)	13	153

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 - 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
				FYTD	CYTD	Cumulative					
Total All Contracts*											
Crude Acquired	46,712	65.9%	30,799	296,987	197,162	30,999,655	190,726	52,422,407			
Crude Disposed	124,227	71.6%	88,987	1,272,190	768,483	48,945,617	40,321	31,284,538	\$293,122	Storage Fees	
Grade-A Rdlvrd	0		0	0	0	1,478,718			\$96,519	RMF Fees	
Net/Balance	(77,515)		(58,188)	(975,203)	(571,321)	(19,424,680)	150,405	21,137,869	1,713,189	\$389,641 \$4,020,177	
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											
Keys 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	8,292,098
Crude Disposed: In Kind Sales transferred for the month	(1,246)
Conservation Crude Sales/Reserve Sell Down transferred (month)	(149,159)
Gains and Losses for the month	(4,639)
Net/Balance of Purchased Helium Remaining for Sale	8,137,054

*Includes In Kind and Conservation Crude transfers from Government storage

**Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations)

June - 2014

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$4.23	\$5.13	\$5.16
Fuel used * (now includes field compression well head)	total MMBTU	9,984	91,579	1,503,533
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$23,912	\$204,735	\$3,980,272
CHEU Process Fuel Cost *	\$dollars	\$14,065	\$139,608	\$2,671,748
Rental compressor(s) fuel consumed (well head)	\$dollars	\$4,255	\$66,011	\$192,361
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$3,515	\$59,845	\$255,635
Rental compressor(s) helium in fuel (Mcf)	Mcf	37	667	3073
#1 Compressor run time *	hours	688	6,062	88,321
#2 Compressor run time *	hours	65	2,006	54,033
#3 Compressor run time *	hours	596	4,629	51,303

* Field/CHEU Compressor Operations based on Jun 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)	(\$548,502)	(\$10,344,796)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$16,364	\$147,280	\$2,584,103
Net Total - Cliffside Refiners, LP	(\$44,580)	(\$401,223)	(\$7,760,693)

* BLM provided fuel cost is based on May 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	716	99.5%	6,433	98.2%	93,719
Producing residue gas	667	92.7%	6,341	96.8%	92,663
Producing helium product	663	92.0%	6,339	96.7%	89,718
Producing natural gas liquids	665	92.3%	6,314	96.4%	88,217

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cummulative
Reservoir Management Fees (RMF)	\$96,519	\$1,676,478	\$26,991,882
Total operating costs	(\$891,164)	(\$8,106,097)	(\$115,123,794)
Labor	\$133,564	\$1,202,072	\$11,453,395
Compressor fuel cost May 14	\$24,813	\$192,107	\$4,001,513
HEU fuel cost May 14	\$14,546	\$132,065	\$2,698,210
Electrical power cost May 14	\$139,717	\$1,276,404	\$17,290,835
Other	\$76,665	\$786,719	\$11,318,615
Sub Total - Items provided by BLM	\$389,305	\$3,589,367	\$49,971,922
Total - Cliffside Refiners, LP, GDA030001	(\$501,859)	(\$4,516,731)	(\$65,151,872)

*Rounded to nearest dollar

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Jun 14	2,902	26,996	470,305
Cheu Pure Water Usage (gallons) Jun 14	791	9,093	276,455
Electricity Metered (Kwh) consumed May 14	2,641,534	24,550,009	58,104,702