

Bureau of Land Management

Amarillo Field Office

Helium Operations



Statistical Report for January - 2014



Distribution:

Fluid Minerals Group Manager, Washington Office
NMSO, New Mexico State Director
NMSO, Associate State Director
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-Federal Leased Lands
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-Division Of Helium Operations, -
Engineering and Technical Support

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Amarillo, Texas

Compiled by: David V. Reeves

Issued: September 9, 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: 8/20//2014

Table 1 - Summary of Helium Operations

January - 2014

Helium Enrichment Unit Operations

Gas Processed	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	606,867	131,719	21.70%	2,423,906	543,978
Helium Product (Mcf*)	170,640	129,974	76.17%	700,521	536,441
Residue Natural Gas (Mcf*)	295,691	0	00.00%	1,162,326	0

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced

Gas Processed	Month	FYTD
Natural Gas Sales (Mcf****)	295,689	1,153,650
NGL Sales (gallons)	101,194	415,829

*** 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Total Withdrawn (Mcf*)	608,421	130,903	21.52%	2,426,420	539,385
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*)		83,200	109,240	83,200	18,346,800
Conservation Crude Sale Volume Transferred (Mcf*)	83,200	0	344,610	0	18,263,600
Conservation Helium in Storage (EOM) (Mcf*)		8,619,112			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	241	30,283	241	3,046,726
Sale Volumes Outstanding (Mcf*)	32,843			

* 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*)	55,980	36,527	65.25%	136,352
Crude Disposed (Mcf*)	221,416	163,281	73.74%	666,988
Net Balance (Mcf*)	(165,436)	(126,754)		(530,636)
Balance of Stored Helium End Of Month (Mcf*)		1,687,800		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges

Helium Storage Contracts (Charges Billed (\$))	Month	FYTD
Storage Fees Billed (\$)	\$295,761	\$873,492
Reservoir Management Fees Billed (\$)	\$216,970	\$909,125

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$60,945)	(\$243,779)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$16,364	\$65,458
Net-Total (Funded by the Refiners for compression costs.)	(\$44,580)	(\$178,321)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$216,970	\$909,125
Total operating costs	(\$910,188)	(\$3,594,242)
Sub Total - Items provided by BLM	\$408,330	\$1,586,806
Total - Cliffside Refiners, LP, GDA030001	(\$501,859)	(\$2,007,436)

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

	Month	FYTD
Conservation Crude Helium Sales	\$7,904,000	\$10,091,360
In Kind Sales	\$0	\$2,193,033
Natural Gas & Liquid Sales	\$1,593,415	\$5,376,246

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$1,210,581	\$4,791,113
Helium Sample Collection Report for month	Submitted - 0	Received - 0
	Analyzed - 21	

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

January - 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		608,421	212,419,008	130,903	39,849,588	152,365	52,306,485	288,490	107,659,807	31,166	10,836,649	5,496	1,766,479
BIVINS A-3	Jan-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	Jan-14	49,728	10,804,435	27,774	6,429,583	12,660	2,654,835	8,089	1,521,216	841	150,070	364	48,732
BIVINS A-13	Jan-14	61,999	7,636,538	22,274	4,161,079	15,658	1,968,015	21,125	1,320,079	2,471	144,806	471	42,558
BIVINS A-14	Jan-14	69,713	8,483,105	26,433	5,133,325	17,597	2,153,563	22,550	1,038,826	2,537	110,642	595	46,750
BIVINS A-4	Jan-14	32,825	12,676,910	4,570	2,291,328	7,895	3,072,999	18,110	6,545,630	1,916	655,298	335	111,656
BUSH A-2	Jan-14	47,475	12,091,922	5,938	1,837,103	11,875	2,959,322	26,378	6,528,992	2,954	663,951	330	102,555
Injection	Jan-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	Jan-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	Jan-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	Jan-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	Jan-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	Jan-14	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Jan-14	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Jan-14	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Jan-14	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Jan-14	22,913	13,531,805	883	1,864,061	5,338	3,320,055	14,898	7,491,415	1,567	744,542	227	111,732
BIVINS A-5	Jan-14	29,373	15,463,095	5,308	1,940,196	7,457	3,785,940	14,773	8,727,469	1,608	875,223	226	134,266
BIVINS A-7	Jan-14	23,213	11,374,897	7,310	2,650,549	6,019	2,861,153	8,743	5,247,376	985	532,917	156	82,901
BIVINS A-9	Jan-14	22,160	9,810,763	467	185,387	5,740	2,406,495	14,268	6,476,080	1,505	652,714	178	90,086
BIVINS A-11	Jan-14	24,622	6,029,263	717	126,779	6,307	1,497,015	15,702	3,944,297	1,667	404,382	229	56,790
BIVINS A-15	Jan-14	33,141	8,991,400	578	416,120	7,828	2,144,059	22,084	5,763,528	2,256	576,000	394	91,693
BIVINS B-1	Jan-14	37,366	7,208,260	911	280,980	9,115	1,746,117	24,377	4,637,862	2,544	472,004	418	71,297
BIVINS B-2	Jan-14	31,227	5,991,859	594	112,781	7,987	1,498,255	20,022	3,898,407	2,097	400,396	528	82,019
BUSH A-1	Jan-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	Jan-14	32,373	11,447,384	11,179	2,636,694	8,219	2,826,100	11,432	5,345,234	1,274	539,034	269	100,322
BUSH A-4	Jan-14	15,621	8,216,025	1,990	1,533,041	3,982	2,052,810	8,626	4,148,522	933	421,956	91	59,696
BUSH A-5	Jan-14	45,555	15,648,368	13,347	3,551,919	11,591	3,923,959	18,306	7,321,012	2,042	741,784	268	109,694
BUSH A-8	Jan-14	13,556	3,829,465	251	70,081	3,376	924,699	8,804	2,533,700	911	254,551	212	46,434
BUSH A-9	Jan-14	0	3,860,914	0	105,037	0	930,915	0	2,537,187	0	253,463	0	34,312
BUSH A-11	Jan-14	15,258	4,341,019	373	128,116	3,647	1,038,209	9,998	2,837,393	1,036	287,913	202	49,387
BUSH B-1	Jan-14	305	3,221,817	6	60,501	73	764,355	202	2,153,540	21	211,873	3	31,548
FUQUA A-1	Jan-14	0	2,954,098	0	53,854	0	702,798	0	1,975,175	0	193,573	0	28,699
FUQUA A-2	Jan-14	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Jan-14	0	9,303,863	0	577,004	0	2,277,675	0	5,790,329	0	583,698	0	75,155
TT Fuel	Jan-14	0	0	0	0	0	0	0	0	0	0	0	0
field-wide pcts				21.52%	18.76%	25.04%	24.62%	47.42%	50.68%	5.12%	5.10%	0.90%	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-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	0.608	0.131
Injected to Date 2014	0.000	0.000
Amount of Raw Gas Available to CHEU	101.714	=====> 12.737 total helium in reservoir
Estimated Bottom Hole Pressure	374.541	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 - 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	Jan-14	606,867	77,614,865	131,719	19,878,773	151,447	19,476,748	287,482	33,981,508	30,746	3,620,785	5,474	657,052
Calculated Feed	Jan-14	608,421	77,233,701	130,903	19,842,238	152,365	19,382,080	288,490	33,738,592	31,166	3,615,733	5,496	655,058
Feed to Box	Jan-14	604,143	76,772,349	130,903	19,842,417	152,365	19,382,162	288,490	33,738,638	31,166	3,615,740	1,219	193,392
Cheu Product	Jan-14	170,640	24,974,853	129,974	19,609,778	35,983	4,705,451	3,504	484,969	3	412	1,175	174,243
Residue	Jan-14	295,691	34,108,833	0	1,545	6,352	849,407	263,832	30,259,894	25,508	2,996,749	0	1,238
Cold Box Vent	Jan-14	102,211	13,137,487	72	87,067	92,605	11,656,358	9,519	1,333,144	0	135	15	60,782
Flare/Boot Strap	Jan-14	102,211	3,653,736	72	47,847	92,605	2,911,360	9,519	595,313	0	93,600	15	5,615
Fuel From Cheu	Jan-14	8,087	1,034,938	3	274	220	31,110	6,526	840,297	1,338	163,257	0	0
Shrinkage/Loss	Jan-14	4,316	347,087	0	0	0	0	0	0	4,316	347,087	0	0
Unaccounted*	Jan-14	23,198	2,188,925	854	87,655	17,206	1,765,278	5,109	332,121	(0)	1,085	28	2,786

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	8,620,626	1,814,313
net acceptances + redeliveries	0	0
In Kind Transfers	(241)	241
Conservation Crude Sales	0	0
Gain/loss	(1,273)	
Ending Inventory	8,619,112	1,687,800
Total Helium in Reservoir	12,737,108	
Total Helium in Storage	10,306,912	
Helium in native gas	2,430,197	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	28,900	21,356	73.90%
Measured to Pipeline (Private Plants)	55,980	36,632	65.44%
Measured from Pipeline (Private Plant)	221,416	163,281	73.74%
HEU Production	170,640	129,974	76.17%
Injection	0	0	00.00%
Production	0	0	
Ending Inventory	31,791	23,408	73.63%
Gain/Loss	(2,312)	(1,273)	

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 - 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							241	30,283	241	3,046,726
Volume outstanding							32,843			

* 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 - 2014

Helium & Natural Gas Sales

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$) ** (billed quarterly)	
Conservation Helium					
Air Liquide Helium America, Inc.					
Month	10,667	0	0	\$0	
FYTD	10,667	10,667	0	\$0	
Cumulative	281,217		270,550	\$18,831,450	
Air Products, L.P.					
Month	129,600	(64,800)	64,800	\$6,156,000	
FYTD	129,600	64,800	64,800	\$6,156,000	
Cumulative	7,178,995		7,114,195	\$467,209,039	
Linde Gas North America, LLC					
Month	93,600	0	0	\$0	
FYTD	93,600	93,600	0	\$0	
Cumulative	5,559,310		5,465,710	\$346,658,088	
Keyes Helium Co., LLC					
Month	14,400	(14,400)	14,400	\$1,368,000	
FYTD	14,400	0	40,440	\$3,555,360	
Cumulative	905,140		905,140	\$58,511,863	
Matheson Tri-Gas, Inc.					
Month	8,000	(4,000)	4,000	\$380,000	
FYTD	8,000	4,000	4,000	\$380,000	
Cumulative	18,000		14,000	\$967,500	
Praxair, Inc.					
Month	122,400	0	0	\$0	
FYTD	122,400	122,400	0	\$0	
Cumulative	4,493,305		4,370,905	\$295,814,511	
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	10,667	0	0	\$0	
FYTD	10,667	10,667	0	\$0	
Cumulative	16,967		6,300	\$529,200	
Airgas Merchant Gases					
Month	10,667	0	0	\$0	
FYTD	10,667	10,667	0	\$0	
Cumulative	10,667		0	\$0	
Total month	400,001	(83,200)	83,200	\$7,904,000	
Total FYTD	400,001	316,801	109,240	\$10,091,360	
Total CYTD	400,001		83,200	\$7,904,000	
Cumulative	18,663,601		18,346,800	\$1,199,556,650	
Conservation Crude Transfers					
		Month	FYTD	CYTD	Cumulative
Transferred		0	344,610	0	18,263,600
Volume outstanding		83,200			

* 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)
El Paso Natural Gas					
		Provides Measured Firm/Interruptible Transportation Services			
Month	295,689	---	323,109	1,093	(\$27,997)
FYTD	1,153,650	---	1,266,514	1,098	(\$111,988)
Cumulative	33,461,339	---	36,758,641	1,099	(\$3,686,586)
Minerals Management Service					
		No Longer Provides Natural Gas Marketing Services			
Cumulative	---	---	---	---	(\$179,913)
Tenaska					
		Purchaser - Natural Gas		\$\$/Unit	
Month	---	---	320,700	\$4.580307	\$1,468,905
FYTD	---	---	1,264,500	\$3.880300	\$4,906,639
Cumulative	---	---	36,496,396	\$4.867154	\$176,807,025
Sandstone					
		Purchaser - Natural Gas Liquids			
Month	---	101,194	10,704	\$14.247671	\$152,507
FYTD	---	415,829	44,177	\$13.165111	\$581,595
Cumulative	---	9,965,407	1,062,848	\$12.426408	\$13,207,383
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$\$ Per Unit (\$\$/Dth)	Total (\$\$)
Total month	295,689	101,194	331,404	\$4.808073	\$1,593,415
Total FYTD	1,153,650	415,829	1,308,677	\$4.108154	\$5,376,246
Total CYTD	295,689	101,194	331,404	\$4.808073	\$1,593,415
Cumulative	33,461,339	9,965,407	37,559,244	\$4.978121	\$186,147,909

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

January - 2014

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$1,248,944	\$4,783,494
Natural Gas Royalties (1)	\$0	\$0
Natural Gas Rentals	\$0	\$0
Other	\$7,619	\$116,786
Revenue Collected from Federal Lease Holds	\$1,210,581	\$4,791,113

*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	0	20
Total Number of Other Samples Analyzed (2)	21	78

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 - 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	55,980	65.3%	36,527	136,352	36,527	30,839,020	27,937	51,759,967		
Crude Disposed	221,416	73.7%	163,281	666,988	163,281	48,340,415	27,696	31,092,054	\$295,761	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718			\$216,970	RMF Fees
Net/Balance	(165,436)		(126,754)	(530,636)	(126,754)	(18,980,113)	241	20,667,913	1,687,800	\$512,731 \$1,782,617
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	8,620,626
Crude Disposed: In Kind Sales transferred for the month	(241)
Conservation Crude Sales/Reserve Sell Down transferred (month)	0
Gains and Losses for the month	(1,273)
Net/Balance of Purchased Helium Remaining for Sale	8,619,112

*Includes In Kind and Conservation Crude transfers from Government storage

**Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations)

January - 2014

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$4.58	\$4.76	\$5.15
Fuel used * (now includes field compression well head)	total MMBTU	11,750	42,681	1,454,635
Field Compression Fuel Cost *	\$dollars	\$0	\$0	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$25,708	\$78,315	\$3,853,852
CHEU Process Fuel Cost *	\$dollars	\$17,106	\$56,068	\$2,588,208
Rental compressor(s) fuel consumed (well head)	\$dollars	\$10,997	\$31,650	\$158,000
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$10,070	\$36,950	\$232,740
Rental compressor(s) helium in fuel (Mcf)	Mcf	106	426	2832
#1 Compressor run time *	hours	740	2,937	85,196
#2 Compressor run time *	hours	200	993	53,020
#3 Compressor run time *	hours	572	2,001	48,675

* Field/CHEU Compressor Operations based on Jan 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)	(\$243,779)	(\$10,040,073)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$16,364	\$65,458	\$2,502,281
Net Total - Cliffside Refiners, LP	(\$44,580)	(\$178,321)	(\$7,537,792)

* BLM provided fuel cost is based on Dec 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	744	100.0%	2,953	100.0%	90,239
Producing residue gas	744	100.0%	2,953	100.0%	89,276
Producing helium product	744	100.0%	2,953	100.0%	86,332
Producing natural gas liquids	744	100.0%	2,934	99.4%	84,837

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$216,970	\$909,125	\$26,224,529
Total operating costs	(\$910,188)	(\$3,594,242)	(\$110,611,939)
Labor	\$133,564	\$534,254	\$10,785,577
Compressor fuel cost Dec 13	\$20,139	\$63,891	\$3,873,297
HEU fuel cost Dec 13	\$15,240	\$45,484	\$2,611,629
Electrical power cost Dec 13	\$149,724	\$590,017	\$16,604,448
Other	\$89,663	\$353,160	\$10,885,055
Sub Total - Items provided by BLM	\$408,330	\$1,586,806	\$47,969,361
Total - Cliffside Refiners, LP, GDA030001	(\$501,859)	(\$2,007,436)	(\$62,642,577)

***Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Jan 14	3,231	12,521	455,830
Cheu Pure Water Usage (gallons) Jan 14	1,467	3,711	271,074
Electricity Metered (Kwh) consumed Dec 13	3,040,841	11,162,364	44,717,057