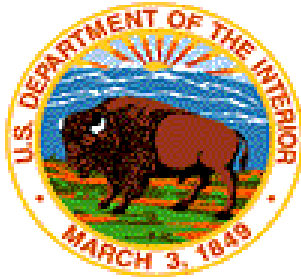


Bureau of Land Management

Amarillo Field Office

Helium Operations Statistical Report for



December - 2015



Distribution:

Fluid Minerals Group Manager, Washington Office
NMSO, New Mexico State Director
NMSO, Associate State Director
NMSO, Petroleum Engineer
Field Manager, Amarillo Field Office
Assistant Field Managers (3)
Team Leaders
-Federal Leased Lands
-Resources Evaluation & Gas Analysis
-Division Of Helium Operations, -
Engineering and Technical Support

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Amarillo, Texas

Compiled by: Joan Grochowina

Issued: September 13, 2016

**"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: August 26, 2016

Table 1 - Summary of Helium Operations

December - 2015

Helium Enrichment Unit Operations**Gas Processed**

	Month Gross Volume	Month Net Helium	Average Percent	Gross FYTD	Net FYTD
Measured Plant Feed (Mcf*)	334,796	53,223	15.90%	845,821	129,376
Helium Product (Mcf*)	68,407	50,704	74.12%	163,901	120,973
Residue Natural Gas (Mcf*)	170,465	0	00.00%	388,513	27

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced**Gas Processed**

	Month	FYTD
Natural Gas Sales (Mcf***)	167,852	383,428
NGL Sales (gallons)	59,126	132,746

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

Bush Dome Reservoir Operations**Conservation gases from all sources**

	Month Gross Volume	Month Net Helium	Average Percent	Gross FYTD	Net FYTD
Total Withdrawn (Mcf*)	348,380	55,221	15.85%	889,409	146,223
Crude Injection (Mcf*)	30,265	22,390	73.98%	52,854	39,041
Crude Production (Mcf*)	0	0	00.00%	18,426	13,405

* 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	886,000	901,000	20,952,729
Conservation Crude Sale Volume Transferred (Mcf*)	15,000	448,104	886,000	886,000	20,937,729
Conservation Helium in Storage (EOM) (Mcf*)		5,659,788			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	0	24,765	124,833	3,288,307
Sale Volumes Outstanding (Mcf*)	33,053			

* Volumes in Mcf at 14.65 psia & 60°F

Private Company Helium Storage Contracts**Contact Activity**

	Month Gross Volume	Month Net Helium	Average Percent	Annual Helium FYTD
Crude Acquired (Mcf*)	53,826	35,804	66.52%	99,983
Crude Disposed (Mcf*)	90,329	62,773	69.49%	189,822
Net Balance (Mcf*)	(36,503)	(26,969)		(89,839)
Balance of Stored Helium End Of Month (Mcf*)		3,092,903		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges**Helium Storage Contracts** (Charges Billed (\$))

	Month	FYTD
Storage Fees Billed (\$)	\$359,784	\$1,194,271
Reservoir Management Fees Billed (\$)	\$186,941	\$441,501

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	\$0	(\$72,432)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$0	\$29,606
Net-Total (Funded by the Refiners for compression costs.)	\$0	(\$42,826)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$186,941	\$441,501
Total operating costs	(\$771,218)	(\$2,407,593)
Sub Total - Items provided by BLM	\$272,137	\$910,352
Total - Cliffside Refiners, LP, GDA030001	(\$499,081)	(\$1,497,242)

Conservation Helium - Natural Gas - Liquid Sales

(Charges Billed (\$))

	Month	FYTD
Conservation Crude Helium Sales	\$0	\$0
In Kind Sales	\$2,290,488	\$2,290,488
Natural Gas & Liquid Sales	\$345,746	\$827,221

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$1,599,335	\$4,674,353
Helium Sample Collection Report for month	Submitted - 0	Received - 0
		Analyzed - 13

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

#####

		Gross Withdrawal		Net Helium Withdrawal		Nitrogen		Methane	Methane	Ethane plus		Other (CO2, Ar, H2)	
		Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative
TOTAL		348,380	222,527,939	55,221	41,655,519	86,874	54,826,244	183,262	112,787,987	19,727	11,394,575	3,296	1,863,614
BIVINS A-3	Dec-15	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	Dec-15	3,036	11,301,922	2,244	6,719,933	703	2,777,677	69	1,593,913	0	157,811	20	52,589
BIVINS A-13	Dec-15	28,137	8,367,991	9,746	4,419,820	7,087	2,152,342	9,931	1,573,223	1,159	174,478	213	48,128
BIVINS A-14	Dec-15	33,472	9,400,789	10,670	5,450,833	8,370	2,384,040	12,710	1,363,502	1,426	147,463	296	54,951
BIVINS A-4	Dec-15	28,703	13,322,624	3,283	2,371,968	6,915	3,228,286	16,469	6,910,043	1,734	694,032	302	118,296
BUSH A-2	Dec-15	35,243	12,968,451	3,427	1,934,458	8,845	3,178,890	20,447	7,026,938	2,283	719,556	241	108,608
Injection	Dec-15	30,265	66,445,928	22,390	47,998,374	6,998	17,115,016	680	780,035	1	35	195	552,468
inj Bivins A-3	Dec-15	0	(25,652,315)	0	(18,384,452)	0	(6,554,549)	0	(332,777)	0	0	0	(380,537)
inj Bivins A-6	Dec-15	(30,265)	(24,383,879)	(22,380)	(17,648,566)	(7,009)	(6,480,020)	(681)	(142,553)	(0)	(71)	(195)	(112,670)
inj Bivins A-13	Dec-15	0	(6,490,417)	0	(4,706,191)	0	(1,656,853)	0	(122,391)	0	(2)	0	(4,980)
inj Bivins A-14	Dec-15	0	(6,501,333)	0	(4,767,421)	0	(1,602,106)	0	(126,303)	0	(7)	0	(5,497)
inj Bivins A-4	Dec-15	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Dec-15	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Dec-15	0	1,236,294	0	910,983	0	265,968	0	47,692	0	3,195	0	8,456
BIVINS A-1	Dec-15	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Dec-15	13,755	13,932,544	467	1,878,364	3,210	3,413,148	8,990	7,752,213	950	772,715	137	116,104
BIVINS A-5	Dec-15	9,975	15,940,525	1,945	2,025,844	2,550	3,907,064	4,875	8,967,133	528	902,411	77	138,073
BIVINS A-7	Dec-15	10,295	11,755,168	3,239	2,768,657	2,687	2,959,655	3,869	5,391,189	433	549,774	68	85,893
BIVINS A-9	Dec-15	22,397	10,322,144	498	196,463	5,780	2,538,643	14,407	6,805,193	1,528	687,593	184	94,252
BIVINS A-11	Dec-15	5,138	6,393,392	151	137,572	1,314	1,590,284	3,275	4,176,390	350	428,939	49	60,207
BIVINS A-15	Dec-15	25,770	9,679,063	451	428,150	6,073	2,306,280	17,180	6,221,843	1,756	622,864	310	99,926
BIVINS B-1	Dec-15	25,060	7,896,731	553	296,951	6,144	1,913,208	16,360	5,084,115	1,706	521,576	298	80,881
BIVINS B-2	Dec-15	20,524	6,560,472	390	123,603	5,241	1,643,509	13,153	4,262,896	1,379	438,635	362	91,827
BUSH A-1	Dec-15	0	5,721,962	0	104,140	0	1,356,677	0	3,830,281	0	374,216	0	56,647
BUSH A-3	Dec-15	23,444	12,003,710	7,907	2,823,602	5,969	2,967,442	8,440	5,546,373	935	561,357	193	104,936
BUSH A-4	Dec-15	9,799	8,583,251	968	1,574,498	2,511	2,146,525	5,654	4,355,973	610	444,446	56	61,808
BUSH A-5	Dec-15	32,668	16,444,143	8,872	3,776,305	8,359	4,126,987	13,724	7,648,522	1,519	777,974	193	114,356
BUSH A-8	Dec-15	10,884	4,186,208	202	76,708	2,714	1,013,590	7,060	2,765,223	732	278,564	176	52,123
BUSH A-9	Dec-15	0	3,860,915	0	105,037	0	930,915	0	2,537,187	0	253,463	0	34,312
BUSH A-11	Dec-15	6,107	4,516,346	126	132,030	1,468	1,080,192	4,013	2,952,564	416	299,802	85	51,758
BUSH B-1	Dec-15	3,973	3,309,217	72	62,127	945	785,209	2,637	2,211,467	281	218,035	38	32,380
FUQUA A-1	Dec-15	0	2,954,098	0	53,854	0	702,798	0	1,975,175	0	193,573	0	28,699
FUQUA A-2	Dec-15	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Dec-15	0	9,303,909	0	577,005	0	2,277,687	0	5,790,357	0	583,701	0	75,160
TT Fuel	Dec-15	395	0	7	0	94	0	262	0	28	0	4	0
field-wide pcts				15.85%	18.72%	24.94%	24.64%	52.60%	50.68%	5.66%	5.12%	0.95%	0.84%

Latest estimates of reserves and feed to HEU

Based on NITEC's 2003 reserves study
from NITEC's interim report

As of EOM Dec-15 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 - 14	85.349	22.474
Injection 2003 - 14	(1.300)	(1.067)
Produced to Date 2015	4.798	0.834
Injected to Date 2015	(0.094)	(0.070)
Amount of Raw Gas Available to CHEU	91.811	====> 11.083 total helium in reservoir
Estimated Bottom Hole Pressure	338.111	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

December - 2015

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	Dec-15	334,796	87,584,215	53,223	21,651,109	83,466	21,968,487	176,008	39,047,895	18,931	4,165,573	3,169	751,150
Calculated Feed	Dec-15	347,985	87,300,364	55,204	21,619,256	86,791	21,891,981	183,000	38,863,823	19,698	4,173,416	3,292	751,887
Feed to Box	Dec-15	345,182	86,758,321	55,204	21,619,435	86,791	21,892,063	183,000	38,863,869	19,698	4,173,419	489	209,535
Cheu Product	Dec-15	68,407	27,252,688	50,704	21,309,612	15,719	5,219,077	1,543	534,029	1	576	441	189,395
Residue	Dec-15	170,465	38,963,644	0	1,809	4,023	963,016	151,087	34,572,567	15,356	3,425,002	0	1,250
Cold Box Vent	Dec-15	60,912	14,776,160	36	88,376	50,937	13,090,685	9,927	1,535,970	0	118	12	61,010
Flare/Boot Strap	Dec-15	60,912	5,292,408	36	49,155	50,937	4,345,688	9,927	798,139	0	93,583	12	5,844
Fuel From Cheu	Dec-15	6,754	1,187,540	3	349	175	35,089	5,447	963,380	1,129	188,723	0	0
Shrinkage/Loss	Dec-15	3,213	422,656	0	0	0	0	0	0	3,213	422,656	0	0
Unaccounted*	Dec-15	35,430	2,725,506	4,460	136,583	15,938	2,076,631	14,996	507,864	0	1,102	37	3,326

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	6,110,596	2,649,104
net acceptances +	0	0
redeliveries	0	(26,969)
In Kind Transfers	0	0
Conservation Crude Sales	(448,104)	448,104
Gain/loss	(2,704)	
Ending Inventory	5,659,788	3,070,239
Total Helium in Reservoir	11,083,419	
Total Helium in Storage	8,730,027	
Helium in native gas	2,353,392	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	36,632	25,882	70.65%
Measured to Pipeline (Private Plants)	53,826	35,890	66.68%
Measured from Pipeline (Private Plant	90,329	62,773	69.49%
HEU Production	68,407	50,704	74.12%
Injection	30,265	22,390	73.98%
Production	0	0	
Ending Inventory	35,020	24,609	70.27%
Gain/Loss	(3,251)	(2,704)	

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

December - 2015

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	12,072	0	0	0	0	18,539	30,610	30,138	\$2,290,488
Total FYTD	12,072	0	0	0	0	18,539	30,610	30,138	\$2,290,488
Total CYTD	46,470	0	0	0	0	80,285	126,755	124,799	\$9,485,724
Cumulative	1,827,158	108,674	450	271,584	421,753	743,914	3,373,533	3,321,285	\$189,928,472
In Kind Transfers							Month	FYTD	CYTD Cumulative
Transferred							0	24,765	124,833 3,288,307
Volume outstanding							33,053		

* 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

December - 2015

Helium & Natural Gas Sales

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$) **	
Conservation Helium					
(billed quarterly)					
Air Liquide Helium America, Inc.					
Month	0	0	0	\$0	
FYTD	20,000	0	50,000	\$5,230,000	
Cumulative	335,217		335,217	\$25,454,815	
Air Products, L.P.					
Month	0	0	0	\$0	
FYTD	193,875	0	318,875	\$33,038,000	
Cumulative	8,029,436		8,029,436	\$565,835,027	
Linde Gas North America, LLC					
Month	0	0	0	\$0	
FYTD	140,021	0	140,021	\$14,562,184	
Cumulative	6,030,653		6,030,653	\$404,691,853	
Keyes Helium Co., LLC					
Month	0	0	0	\$0	
FYTD	21,000	0	21,000	\$2,184,000	
Cumulative	977,113		977,113	\$66,015,798	
Matheson Tri-Gas, Inc.					
Month	0	0	0	\$0	
FYTD	68,000	0	68,000	\$7,072,000	
Cumulative	107,000		107,000	\$10,569,500	
Praxair, Inc.					
Month	0	0	0	\$0	
FYTD	183,104	0	273,104	\$28,407,816	
Cumulative	5,219,676		5,219,676	\$384,489,780	
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	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	22,967		22,967	\$2,112,565	
Airgas Merchant Gases					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	15,667		15,667	\$1,488,365	
IACX Energy					
Month	0	0	0	\$0	
FYTD	0	0	15,000	\$1,575,000	
Cumulative	15,000		15,000	\$1,575,000	
Total month	0	0	0		0
Total FYTD	626,000	0	886,000		\$0
Total CYTD	901,000		901,000		\$0
Cumulative	20,952,729		20,952,729		\$1,473,267,703
Conservation Crude Transfers					
Transferred		Month	FYTD	CYTD	Cumulative
Volume outstanding		448,104	886,000	886,000	20,937,729
		15,000			

* 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>					
Month	167,852	---	185,024	1,102	(\$27,997)
FYTD	383,428	---	422,573	1,102	(\$83,991)
Cumulative	38,341,412	---	42,065,432	1,097	(\$4,332,406)
<u>Minerals Management Service</u>					
Cumulative	---	---	---	---	(\$179,913)
<u>Tenaska</u>					
		Purchaser - Natural Gas			\$/Unit
Month	---	---	203,267	\$1.722021	\$350,030
FYTD	---	---	445,392	\$1.916094	\$853,413
Cumulative	---	---	41,762,605	\$4.685522	\$194,853,068
<u>Sandstone</u>					
		Purchaser - Natural Gas Liquids			
Month	---	59,126	6,276	\$3.778308	\$23,713
FYTD	---	132,746	14,175	\$4.077512	\$57,799
Cumulative	---	11,597,045	1,233,850	\$11.917973	\$14,704,991
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$\$ Per Unit (\$\$/Dth)	Total (\$\$)
Total month	167,852	59,126	209,543	\$1.649998	\$345,746
Total FYTD	383,428	132,746	459,567	\$1.800001	\$827,221
Total CYTD	2,187,476	743,051	2,498,288	\$2.358462	\$5,892,117
Cumulative	38,341,412	11,597,045	42,996,455	\$4.788122	\$205,045,739

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

December - 2015

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$1,593,415	\$4,631,678
Natural Gas Royalties (1)	\$0	\$0
Natural Gas Rentals	\$0	\$0
Other	\$42,176	\$114,295
Revenue Collected from Federal Lease Holds	\$1,599,335	\$4,674,353

*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	0
Total Number of Other Samples Analyzed (2)	13	26

U. S. Helium Production

<i>Domestic</i>	FY Volume		CY Volume
2011 Helium Sold	4,531,140		4,645,930
2012 Helium Sold	4,725,187		4,623,130
2013 Helium Sold	4,279,765		4,166,708
2014 Helium Sold	3,815,746		3,466,014
2015 Helium Sold	4,559,100		4,644,278
Estimated Helium Resources as of 12/31/2006 (Mcf)			732,000,000

	FY-2014	CY-2014
U.S. Helium Exports (3)	2,553,129	2,432,311

(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

December - 2015

All Volumes in Mcf at 14.65 psia & 60°F

	Metered Gas						Transferred Gas		Stored Helium EOM	Charges	Billed (\$)** FYTD
	Gross Gas	Helium %	Helium	Helium			Helium				
	Month			FYTD	CYTD	Cumulative	Month	Cumulative			
Total All Contracts*											
Crude Acquired	53,826	66.5%	35,804	99,983	364,611	30,465,940	489,081	54,614,769			
Crude Disposed	90,329	69.5%	62,773	189,822	1,062,092	50,578,877	40,977	29,921,121		\$359,784	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718				\$186,941	RMF Fees
Net/Balance	(36,503)		(26,969)	(89,839)	(697,481)	(21,591,655)	448,104	24,693,648	3,092,903	\$546,725	\$1,635,773
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. 3249											
Crude Acquired											
Crude Disposed											
Net/Balance											
Praxair, Inc., Contract no. 3251											
Crude Acquired											
Crude Disposed											
Net/Balance											
Air Products, L.P., Contract no. 3256											
Crude Acquired											
Crude Disposed											
Net/Balance											
IACX Energy, Contract no. 3297											
Crude Acquired											
Crude Disposed											
Net/Balance											
Pioneer Natural Resources USA, Inc, Contract no. 3286											
Crude Acquired											
Crude Disposed											
Net/Balance											
Keyes Helium Co., LLC, Contract no. 3287											
Crude Acquired											
Crude Disposed											
Net/Balance											
Air Liquide Helium America, Inc., Contract no. 3284											
Crude Acquired											
Crude Disposed											
Net/Balance											
Matheson Tri-Gas, Inc., Contract no. 3288											
Crude Acquired											
Crude Disposed											
Net/Balance											
Airgas Merchant Gases, Contract no. 3290											
Crude Acquired											
Crude Disposed											
Net/Balance											
Global Gases America, Contract no. 3293											
Crude Acquired											
Crude Disposed											
Net/Balance											
Linn Operating, Inc., Contract no. 3296											
Crude Acquired											
Crude Disposed											
Net/Balance											

Government Helium

Remaining Crude Acquired beginning of the month	6,110,596
Crude Disposed: In Kind Sales transferred for the month	0
Conservation Crude Sales/Reserve Sell Down transferred (month)	(448,104)
Gains and Loses for the month	(2,704)
Net/Balance of Purchased Helium Remaining for Sale	5,659,788

Includes In Kind and Conservation Crude transfers from Government storage**Rounded to nearest dollar*

Table 8 - Compression & CHEU (Charges & Operations) December - 2015

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$1.72	\$1.91	\$5.00
Fuel used * (now includes field compression well head)	total MMBTU	8,137	15,702	1,644,991
Field Compression Fuel Cost *	\$dollars	\$0	\$2,320	\$656,719
CHEU Compression Fuel Cost *	\$dollars	\$8,715	\$16,321	\$4,220,480
CHEU Process Fuel Cost *	\$dollars	\$5,280	\$11,309	\$2,818,734
Rental compressor(s) fuel consumed (well head)	\$dollars	\$0	\$0	\$207,234
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$0	\$0	\$315,893
Rental compressor(s) helium in fuel (Mcf)	Mcf	0	0	3645
#1 Compressor run time *	hours	566	1,580	96,899
#2 Compressor run time *	hours	426	919	60,683
#3 Compressor run time *	hours	287	994	58,974

* Field/CHEU Compressor Operations based on Dec 15 activity

Field Compressor Charges	Charges Billed (\$)*		
Linde Gas North America, LLC, Contract no. 3249			
Praxair, Inc., Contract no. 3251			
Air Products, L.P., Contract no. 3256			
Keyes Helium Co., LLC, Contract no. 3287			
SubTotal - Cliffside Refiners, LP (provides booster compression services)	\$0	(\$72,432)	(\$11,277,787)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$0	\$29,606	\$2,821,584
Net Total - Cliffside Refiners, LP	\$0	(\$42,826)	(\$8,456,204)

* BLM provided fuel cost is based on Nov 15 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	732	98.4%	1,730	78.3%	106,094
Producing residue gas	639	85.8%	1,499	67.9%	104,217
Producing helium product	639	85.8%	1,414	64.0%	100,979
Producing natural gas liquids	639	85.8%	1,448	65.6%	99,806

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$186,941	\$441,501	\$29,946,703
Total operating costs	(\$771,218)	(\$2,407,593)	(\$129,632,100)
Labor	\$130,284	\$390,853	\$13,166,056
Compressor fuel cost Nov 15	\$0	\$21,348	\$4,256,532
HEU fuel cost Nov 15	\$0	\$11,174	\$2,851,261
Electrical power cost Nov 15	\$70,519	\$272,976	\$19,624,080
Other	\$71,333	\$214,000	\$12,431,256
Sub Total - Items provided by BLM	\$272,137	\$910,352	\$55,538,540
Total - Cliffside Refiners, LP, GDA030001	(\$499,081)	(\$1,497,242)	(\$74,093,560)

***Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Dec 15	2,741	5,424	516,158
Cheu Pure Water Usage (gallons) Dec 15	496	2,374	287,297
Electricity Metered (Kwh) consumed Nov 15	2,379,812	6,214,805	102,912,676