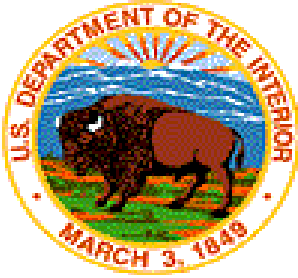


Bureau of Land Management

Amarillo Field Office

Helium Operations Statistical Report for



October - 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 12, 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

October - 2015

Helium Enrichment Unit Operations**Gas Processed**

	Month Gross Volume	Month Net Helium	Average Percent	Gross FYTD	Net FYTD
Measured Plant Feed (Mcf*)	161,647	27,514	17.02%	161,647	27,514
Helium Product (Mcf*)	36,305	26,830	73.90%	36,305	26,830
Residue Natural Gas (Mcf*)	83,629	0	00.00%	83,629	0

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced**Gas Processed**

	Month	FYTD
Natural Gas Sales (Mcf****)	82,568	82,568
NGL Sales (gallons)	36,521	36,521

*** 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Total Withdrawn (Mcf*)	182,766	39,721	21.73%	182,766	39,721
Crude Injection (Mcf*)	10,438	7,710	73.86%	10,438	7,710
Crude Production (Mcf*)	16,100	11,796	73.27%	16,100	11,796

* 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*)		682,896	682,896	697,896	20,749,625
Conservation Crude Sale Volume Transferred (Mcf*)	275,000	422,896	422,896	422,896	20,474,625
Conservation Helium in Storage (EOM) (Mcf*)		6,131,704			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	24,765	24,765	124,833	3,288,307
Sale Volumes Outstanding (Mcf*)	2,915			

* 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*)	48,345	31,896	65.98%	31,896
Crude Disposed (Mcf*)	97,113	68,062	70.09%	68,062
Net Balance (Mcf*)	(48,768)	(36,166)		(36,166)
Balance of Stored Helium End Of Month (Mcf*)		2,698,472		

* Volumes in Mcf at 14.65 psia & 60°F

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

	Month	FYTD
Storage Fees Billed (\$)	\$396,802	\$396,802
Reservoir Management Fees Billed (\$)	\$0	\$0

Field Compressor Charges (Charges Billed (\$))

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

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$0	\$0
Total operating costs	(\$850,689)	(\$850,689)
Sub Total - Items provided by BLM	\$351,608	\$351,608
Total - Cliffside Refiners, LP, GDA030001	(\$499,081)	(\$499,081)

Conservation Helium - Natural Gas - Liquid Sales

(Charges Billed (\$))

	Month	FYTD
Conservation Crude Helium Sales	\$0	\$0
In Kind Sales	\$0	\$0
Natural Gas & Liquid Sales	\$224,081	\$224,081

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$1,526,214	\$1,526,214
Helium Sample Collection Report for month	Submitted - 0	Received - 0
		Analyzed - 5

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

October - 2015

		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		182,766	221,821,297	39,721	41,549,018	45,342	54,650,062	86,707	112,411,197	9,336	11,354,129	1,660	1,856,892
BIVINS A-3	Oct-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	Oct-15	16,726	11,293,606	12,242	6,713,951	3,905	2,775,728	455	1,593,598	14	157,794	111	52,534
BIVINS A-13	Oct-15	11,604	8,318,223	4,037	4,402,457	2,922	2,139,801	4,079	1,555,755	477	172,457	88	47,752
BIVINS A-14	Oct-15	26,950	9,343,090	8,696	5,431,997	6,747	2,369,606	10,124	1,341,966	1,143	145,080	239	54,440
BIVINS A-4	Oct-15	11,875	13,265,874	1,407	2,365,546	2,863	3,214,622	6,768	6,877,407	712	690,598	125	117,701
BUSH A-2	Oct-15	15,193	12,895,150	1,559	1,927,400	3,813	3,160,490	8,742	6,984,344	974	714,807	105	108,110
Injection	Oct-15	10,438	66,403,512	7,710	47,967,044	2,435	17,105,160	223	779,081	0	33	69	552,194
inj Bivins A-3	Oct-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	Oct-15	(10,438)	(24,341,463)	(7,710)	(17,617,243)	(2,436)	(6,470,154)	(223)	(141,598)	(0)	(71)	(69)	(112,397)
inj Bivins A-13	Oct-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	Oct-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	Oct-15	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Oct-15	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Oct-15	16,100	1,233,968	11,796	909,374	3,754	265,418	430	47,552	13	3,184	107	8,440
BIVINS A-1	Oct-15	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Oct-15	6,292	13,904,297	219	1,877,411	1,470	3,406,556	4,108	7,733,742	434	770,766	62	115,822
BIVINS A-5	Oct-15	7,846	15,915,359	1,446	2,021,117	2,003	3,900,638	3,911	8,954,670	426	901,057	61	137,878
BIVINS A-7	Oct-15	3,837	11,732,880	1,242	2,761,756	1,001	2,953,843	1,411	5,382,712	157	548,823	25	85,746
BIVINS A-9	Oct-15	10,780	10,281,219	239	195,552	2,780	2,528,082	6,934	6,778,870	738	684,798	88	93,917
BIVINS A-11	Oct-15	116	6,372,297	4	136,926	30	1,584,895	74	4,162,963	8	427,505	1	60,008
BIVINS A-15	Oct-15	11,537	9,626,151	202	427,226	2,719	2,293,819	7,690	6,186,565	788	619,255	139	99,287
BIVINS B-1	Oct-15	11,086	7,845,227	248	295,819	2,717	1,900,581	7,237	5,050,484	754	518,070	131	80,272
BIVINS B-2	Oct-15	9,076	6,517,808	173	122,788	2,317	1,632,621	5,817	4,235,557	611	435,768	159	91,074
BUSH A-1	Oct-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	Oct-15	9,636	11,962,037	3,239	2,809,528	2,453	2,956,834	3,480	5,531,387	386	559,696	79	104,593
BUSH A-4	Oct-15	6,898	8,556,116	718	1,571,842	1,766	2,139,577	3,948	4,340,291	427	442,751	39	61,654
BUSH A-5	Oct-15	14,116	16,383,954	3,867	3,760,118	3,612	4,111,593	5,903	7,623,085	651	775,158	83	113,999
BUSH A-8	Oct-15	4,579	4,161,650	85	76,242	1,142	1,007,468	2,970	2,749,303	308	276,912	74	51,725
BUSH A-9	Oct-15	0	3,860,915	0	105,037	0	930,915	0	2,537,187	0	253,463	0	34,312
BUSH A-11	Oct-15	1,863	4,502,131	39	131,735	447	1,076,775	1,225	2,943,222	127	298,836	26	51,562
BUSH B-1	Oct-15	2,756	3,300,981	61	61,977	638	783,250	1,833	2,206,000	200	217,452	25	32,302
FUQUA A-1	Oct-15	0	2,954,098	0	53,854	0	702,798	0	1,975,175	0	193,573	0	28,699
FUQUA A-2	Oct-15	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Oct-15	0	9,303,909	0	577,005	0	2,277,687	0	5,790,357	0	583,701	0	75,160
TT Fuel	Oct-15	1,459	0	38	0	329	0	971	0	108	0	13	0
field-wide pcts				21.73%	18.73%	24.81%	24.64%	47.44%	50.68%	5.11%	5.12%	0.91%	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 Oct-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	4.091	0.727
Injected to Date 2015	(0.052)	(0.038)
Amount of Raw Gas Available to CHEU	92.476	=====> 11.159 total helium in reservoir
Estimated Bottom Hole Pressure	340.555	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

October - 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	Oct-15	161,647	86,900,042	27,514	21,549,247	40,318	21,798,038	83,508	38,681,864	8,910	4,126,266	1,397	744,627
Calculated Feed	Oct-15	165,021	86,597,460	27,769	21,514,397	41,212	21,716,676	85,288	38,488,111	9,213	4,133,082	1,539	745,195
Feed to Box	Oct-15	163,735	86,061,189	27,769	21,514,576	41,212	21,716,758	85,288	38,488,156	9,213	4,133,085	253	208,613
Cheu Product	Oct-15	36,305	27,125,092	26,830	21,215,469	8,454	5,189,444	782	531,046	1	562	240	188,572
Residue	Oct-15	83,629	38,658,761	0	1,782	2,058	955,552	74,015	34,302,621	7,557	3,397,557	0	1,248
Cold Box Vent	Oct-15	29,257	14,671,719	18	88,224	24,799	13,003,193	4,437	1,519,194	0	118	4	60,991
Flare/Boot Strap	Oct-15	29,257	5,187,968	18	49,004	24,799	4,258,195	4,437	781,363	0	93,583	4	5,824
Fuel From Cheu	Oct-15	3,144	1,175,747	2	343	81	34,784	2,536	953,869	525	186,752	0	0
Shrinkage/Loss	Oct-15	1,130	416,437	0	0	0	0	0	0	1,130	416,437	0	0
Unaccounted*	Oct-15	10,051	2,657,652	760	129,455	5,770	2,047,533	3,514	476,290	0	1,102	7	3,272

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	6,584,237	2,249,313
net acceptances +	0	0
redeliveries	0	(36,166)
In Kind Transfers	(24,765)	24,765
Conservation Crude Sales	(422,896)	422,896
Gain/loss	(4,872)	
Ending Inventory	6,131,704	2,660,808
Total Helium in Reservoir	11,158,590	
Total Helium in Storage	8,792,512	
Helium in native gas	2,366,079	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	45,485	32,274	70.96%
Measured to Pipeline (Private Plants)	48,345	32,324	66.86%
Measured from Pipeline (Private Plant)	97,113	68,062	70.09%
HEU Production	36,305	26,830	73.90%
Injection	10,438	7,710	73.86%
Production	16,100	11,796	73.27%
Ending Inventory	32,139	22,579	70.26%
Gain/Loss	(6,545)	(4,872)	

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

October - 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	0	0	0	0	0	0	0	0	\$0
Total FYTD	0	0	0	0	0	0	0	0	\$0
Total CYTD	34,399	0	0	0	0	61,746	96,145	94,661	\$7,195,236
Cumulative	1,815,086	108,674	450	271,584	421,753	725,376	3,342,922	3,291,147	\$187,637,984
In Kind Transfers							Month	FYTD	CYTD Cumulative
Transferred							24,765	24,765	124,833 3,288,307
Volume outstanding							2,915		

* 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

October - 2015

Helium & Natural Gas Sales

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$)***	
Conservation Helium					
(billed quarterly)					
Air Liquide Helium America, Inc.					
Month	20,000	(30,000)	30,000	\$3,150,000	
FYTD	20,000	20,000	30,000	\$3,150,000	
Cumulative	335,217		315,217	\$23,374,815	
Air Products, L.P.					
Month	193,875	(318,875)	318,875	\$33,038,000	
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	140,021	(140,021)	140,021	\$14,562,184	
FYTD	140,021	0	140,021	\$14,562,184	
Cumulative	6,030,653		6,030,653	\$404,691,853	
Keyes Helium Co., LLC					
Month	21,000	(21,000)	21,000	\$2,184,000	
FYTD	21,000	0	21,000	\$2,184,000	
Cumulative	977,113		977,113	\$66,015,798	
Matheson Tri-Gas, Inc.					
Month	68,000	(68,000)	68,000	\$7,072,000	
FYTD	68,000	0	68,000	\$7,072,000	
Cumulative	107,000		107,000	\$10,569,500	
Praxair, Inc.					
Month	183,104	(90,000)	90,000	\$9,365,000	
FYTD	183,104	183,104	90,000	\$9,365,000	
Cumulative	5,219,676		5,036,572	\$365,446,964	
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	(15,000)	15,000	\$1,575,000	
FYTD	0	0	15,000	\$1,575,000	
Cumulative	15,000		15,000	\$1,575,000	
Total month					
Total FYTD	626,000	(682,896)	682,896		0
Total CYTD	626,000	203,104	682,896		\$0
Total CYTD	901,000		697,896		\$0
Cumulative	20,952,729		20,749,625		\$1,452,144,887
Conservation Crude Transfers					
Transferred		Month	FYTD	CYTD	Cumulative
Volume outstanding		422,896	422,896	422,896	20,474,625
		275,000			

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas/Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	Avg Btu Value	Charges Billed (\$)***	
	El Paso Natural Gas					
	Provides Measured Firm/Interruptible Transportation Services					(billed monthly)
Month	82,568	---	90,931	1,101	(\$27,997)	
FYTD	82,568	---	90,931	1,101	(\$27,997)	
Cumulative	38,040,552	---	41,733,790	1,097	(\$4,276,412)	
Minerals Management Service						
	No Longer Provides Natural Gas Marketing Services					
Cumulative	---	---	---	---	(\$179,913)	
Tenaska						
	Purchaser - Natural Gas				\$/Unit	
Month	---	---	108,000	\$2.174162	\$234,810	
FYTD	---	---	108,000	\$2.174162	\$234,810	
Cumulative	---	---	41,425,213	\$4.708751	\$194,234,464	
Sandstone						
	Purchaser - Natural Gas Liquids					
Month	---	36,521	3,924	\$4.400798	\$17,269	
FYTD	---	36,521	3,924	\$4.400798	\$17,269	
Cumulative	---	11,500,820	1,223,599	\$11.984695	\$14,664,461	
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$ Per Unit (\$/Dth)		Total (\$)
Total month	82,568	36,521	111,924	\$2.002084		\$224,081
Total FYTD	82,568	36,521	111,924	\$2.002084		\$224,081
Total CYTD	1,886,616	646,826	2,150,645	\$2.459252		\$5,288,978
Cumulative	38,040,552	11,500,820	42,648,812	\$4.813010		\$204,442,600

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

October - 2015

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$1,490,607	\$1,490,607
Natural Gas Royalties (1)	\$0	\$0
Natural Gas Rentals	\$0	\$0
Other	\$35,607	\$35,607
Revenue Collected from Federal Lease Holds	\$1,526,214	\$1,526,214

*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)	5	5

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

October - 2015

All Volumes in Mcf at 14.65 psia & 60°F

	Metered Gas						Transferred Gas		Stored Helium EOM	Charges		Billed (\$)**
	Gross Gas	Helium %	Helium	Helium			Helium			Month	FYTD	
	Month			FYTD	CYTD	Cumulative	Month	Cumulative				
Total All Contracts*												
Crude Acquired	48,345	66.0%	31,896	31,896	296,524	31,476,124	517,004	55,015,267				
Crude Disposed	97,113	70.1%	68,062	68,062	940,332	50,457,117	69,343	31,894,748			\$396,802	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718					\$0	RMF Fees
Net/Balance	(48,768)		(36,166)	(36,166)	(643,808)	(20,459,711)	447,661	23,120,519	2,698,472		\$396,802	\$396,802
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												

There was an error on transfers between companies. This error is corrected in a later month.

Government Helium	
Remaining Crude Acquired beginning of the month	6,584,237
Crude Disposed: In Kind Sales transferred for the month	(24,765)
Conservation Crude Sales/Reserve Sell Down transferred (month)	(422,896)
Gains and Loses for the month	(4,872)
Net/Balance of Purchased Helium Remaining for Sale	6,131,704

**Includes In Kind and Conservation Crude transfers from Government storage*

***Rounded to nearest dollar*

Table 8 - Compression & CHEU (Charges & Operations)

October - 2015

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$2.17	\$2.17	\$5.02
Fuel used * (now includes field compression well head)	total MMBTU	4,852	4,852	1,634,141
Field Compression Fuel Cost *	\$dollars	\$2,218	\$2,218	\$656,616
CHEU Compression Fuel Cost *	\$dollars	\$5,002	\$5,002	\$4,209,161
CHEU Process Fuel Cost *	\$dollars	\$3,309	\$3,309	\$2,810,734
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	756	756	96,075
#2 Compressor run time *	hours	162	162	59,926
#3 Compressor run time *	hours	312	312	58,292

* Field/CHEU Compressor Operations based on Oct 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	\$0	(\$11,205,356)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$0	\$0	\$2,791,978
Net Total - Cliffside Refiners, LP	\$0	\$0	(\$8,413,377)

* BLM provided fuel cost is based on Sep 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	291	39.1%	291	39.1%	104,655
Producing residue gas	291	39.1%	291	39.1%	103,009
Producing helium product	291	39.1%	291	39.1%	99,856
Producing natural gas liquids	291	39.1%	291	39.1%	98,649

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$0	\$0	\$29,505,202
Total operating costs	(\$850,689)	(\$850,689)	(\$128,075,195)
Labor	\$130,284	\$130,284	\$12,905,487
Compressor fuel cost Sep 15	\$14,128	\$14,128	\$4,249,312
HEU fuel cost Sep 15	\$7,865	\$7,865	\$2,847,952
Electrical power cost Sep 15	\$127,997	\$127,997	\$19,479,102
Other	\$71,333	\$71,333	\$12,288,589
Sub Total - Items provided by BLM	\$351,608	\$351,608	\$54,979,797
Total - Cliffside Refiners, LP, GDA030001	(\$499,081)	(\$499,081)	(\$73,095,398)

*Rounded to nearest dollar

CHEU Utility Usage	Month	FYTD	Cumulative
CheU Fuel Gas (Mcf) usage Oct 15	1,394	1,394	512,128
CheU Pure Water Usage (gallons) Oct 15	26	26	284,949
Electricity Metered (Kwh) consumed Sep 15	2,636,071	2,636,071	99,333,942