

Bureau of Land Management

Amarillo Field Office Helium Operations



Statistical Report for December - 2010



Distribution:

Fluid Minerals Group Manager, Washington Office
NMSO, New Mexico State Director
NMSO, Associate State Director
NMSO, Petroleum Engineer
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-Federal Leased Lands
-Resources Evaluation & Gas Analysis
-Division Of Helium Operations, -
Engineering and Technical Support

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Amarillo, Texas

Issued: May 4, 2011

*** Revised ***

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

Approved for distribution: Nelson R. Bullard /s/

Date: May 4, 2011

Table 1 - Summary of Helium Operations

December - 2010

Helium Enrichment Unit Operations
Gas Processed

	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)`	686,336	193,794	28.24%	2,011,359	560,181
Helium Product (Mcf*)	243,398	192,219	78.97%	702,605	555,811
Residue Natural Gas (Mcf*)	289,764	0	00.00%	852,251	0

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas & Liquids Produced

Gas Processed	Month	FYTD
Natural Gas Sales (Mcf****)	286,648	844,001
NGL Sales (gallons)	79,848	259,240

*** 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Total Withdrawn (Mcf*)	680,352	194,073	28.53%	1,995,535	558,331
Crude Injection (Mcf*)	0	0	00.00%	0	0
Crude Production (Mcf*)	350	245	69.86%	746	332

* Volumes in Mcf at 14.65 psia & 60°F

Storage Operations

Conservation Helium	Volume Outstanding	Month	FYTD	CYTD	Cumulative
Open Market Sale Volume Sold/Paid (Mcf*)		175,000	250,000	2,125,000	12,213,600
Open Market Sale Volume Transferred (Mcf*)	175,000	35,000	1,170,000	2,175,000	12,038,600
Conservation Helium in Storage (EOM) (Mcf*)		15,367,146			

* Volumes in Mcf at 14.65 psia & 60°F

In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	0	42,846	169,529	2,594,708
Sale Volumes Outstanding (Mcf*)	40,797			

* 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*)	65,225	43,342	66.45%	119,948
Crude Disposed (Mcf*)	303,749	231,494	76.21%	663,245
Net Balance (Mcf*)	(238,524)	(188,152)		(543,297)
Balance of Stored Helium End Of Month (Mcf*)		1,128,293		

* Volumes in Mcf at 14.65 psia & 60°F

Revenue / Charges

Helium Storage Contracts (Charges Billed (\$))	Month	FYTD
Storage Fees Billed (\$)	\$308,570	\$624,411
Reservoir Management Fees Billed (\$)	\$324,997	\$946,207

Field Compressor Charges (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$58,484)	(\$175,602)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$14,983	\$45,099
Net-Total (Funded by the Refiners for compression costs.)	(\$43,501)	(\$130,502)

Enrichment Unit Charges (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$324,997	\$946,207
Total operating costs	(\$818,359)	(\$2,524,933)
Sub Total - Items provided by BLM	\$325,014	\$1,044,898
Total - Cliffside Refiners, LP, GDA030001	(\$493,345)	(\$1,480,036)

Conservation Helium - Natural Gas - Liquid Sales

(Charges Billed (\$))	Month	FYTD
Open Market Sales	\$13,125,000	\$18,750,000
In Kind Sales	\$2,628,915	\$2,628,915
Natural Gas & Liquid Sales	\$1,367,280	\$3,589,021

Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$859,793	\$3,374,085
Helium Sample Collection Report for month	Submitted - 0	Received - 5
		Analyzed - 29

*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

December - 2010

		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		680,352	188,706,421	194,073	33,631,367	169,969	46,369,775	280,595	97,408,952	30,197	9,731,642	5,517	1,564,685
BIVINS A-3	Dec-10	32,300	10,165,278	17,811	3,127,445	8,029	2,573,115	5,675	4,005,294	572	390,950	211	68,474
BIVINS A-6	Dec-10	38,691	8,551,997	27,041	5,000,906	8,978	2,102,315	2,223	1,292,771	183	123,728	267	32,277
BIVINS A-13	Dec-10	59,386	5,757,163	27,092	3,407,732	14,801	1,498,040	15,358	743,614	1,703	79,155	433	28,622
BIVINS A-14	Dec-10	60,324	6,324,598	32,343	4,152,506	15,039	1,613,273	11,278	479,886	1,206	49,574	459	29,360
BIVINS A-4	Dec-10	41,236	11,295,381	10,584	2,022,366	10,083	2,736,582	18,218	5,856,117	1,971	581,959	379	98,357
BUSH A-2	Dec-10	39,760	10,459,622	7,915	1,599,830	10,025	2,549,857	19,401	5,651,908	2,140	567,133	279	90,985
Injection	Dec-10	0	66,240,889	0	47,846,276	0	17,067,782	0	775,688	0	23	0	551,121
inj Bivins A-3	Dec-10	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-10	0	(24,201,365)	0	(17,514,139)	0	(6,437,517)	0	(138,222)	0	(12)	0	(111,475)
inj Bivins A-13	Dec-10	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-10	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-10	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Dec-10	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Dec-10	350	1,173,814	245	867,213	81	251,242	20	44,394	2	2,938	2	8,027
BIVINS A-1	Dec-10	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Dec-10	27,852	12,671,132	1,829	1,821,210	6,628	3,116,173	17,316	6,943,022	1,822	687,166	257	103,561
BIVINS A-5	Dec-10	44,290	14,090,174	11,046	1,647,308	11,251	3,436,134	19,503	8,078,471	2,150	804,534	341	123,727
BIVINS A-7	Dec-10	39,363	10,269,287	12,801	2,291,844	10,212	2,573,403	14,451	4,841,168	1,633	487,333	265	75,539
BIVINS A-9	Dec-10	14,740	9,151,750	306	171,619	3,811	2,235,901	9,502	6,051,580	1,005	607,805	116	84,845
BIVINS A-11	Dec-10	27,973	5,093,437	726	100,824	7,161	1,257,331	17,933	3,346,235	1,899	340,902	255	48,145
BIVINS A-15	Dec-10	20,067	8,023,258	393	398,705	4,748	1,915,321	13,333	5,118,896	1,362	509,995	230	80,340
BIVINS B-1	Dec-10	27,989	6,260,812	1,012	253,643	6,837	1,514,131	17,974	4,023,621	1,878	408,212	287	61,205
BIVINS B-2	Dec-10	27,647	4,967,825	527	93,287	7,074	1,236,317	17,746	3,241,687	1,858	331,480	442	65,054
BUSH A-1	Dec-10	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-10	36,596	10,086,446	17,326	2,080,462	9,367	2,478,021	8,612	4,945,016	990	493,882	300	89,065
BUSH A-4	Dec-10	35,211	7,228,299	7,484	1,357,614	9,009	1,799,909	16,675	3,649,108	1,828	367,885	215	53,783
BUSH A-5	Dec-10	45,893	13,830,710	15,875	2,998,856	11,648	3,460,025	16,293	6,610,246	1,813	662,593	264	98,990
BUSH A-8	Dec-10	73	3,310,320	1	60,612	18	795,760	47	2,195,378	5	219,919	1	38,650
BUSH A-9	Dec-10	0	3,649,808	0	94,071	0	877,193	0	2,406,297	0	239,058	0	33,188
BUSH A-11	Dec-10	22,948	3,797,331	768	111,940	5,509	907,457	14,843	2,483,998	1,542	251,438	285	42,497
BUSH B-1	Dec-10	8,959	3,148,901	166	59,128	2,167	746,844	5,923	2,105,293	629	206,723	74	30,914
FUQUA A-1	Dec-10	0	2,954,073	0	53,853	0	702,792	0	1,975,158	0	193,571	0	28,699
FUQUA A-2	Dec-10	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Dec-10	29,056	9,078,132	1,027	570,166	7,575	2,218,889	18,290	5,647,033	2,007	568,089	157	73,955
TT Fuel	Dec-10	72	0	1	0	18	0	47	0	5	0	1	0
field-wide pct's				28.53%	17.82%	24.98%	24.57%	41.24%	51.62%	4.44%	5.16%	0.81%	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	Dec-10	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 - 09		48.814	11.109
Injection 2003 - 09		(1.100)	(0.614)
Produced to Date 2010		7.514	4.175
Injected to Date 2010		(0.089)	(0.372)
Amount of Raw Gas Available to CHEU		125.426	=====> 18.955 total helium in reservoir
Estimated Bottom Hole Pressure		461.775	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 - 2010

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-10	686,336	53,830,640	193,794	13,645,897	171,665	13,522,491	284,961	23,682,858	30,350	2,524,180	5,566	455,215
Calculated Feed	Dec-10	679,929	53,576,520	193,827	13,652,103	169,869	13,458,684	280,528	23,500,154	30,190	2,511,949	5,514	453,631
Feed to Box	Dec-10	676,171	53,259,473	193,827	13,652,281	169,869	13,458,766	280,528	23,500,199	30,190	2,511,956	1,756	136,270
Cheu Product	Dec-10	243,398	17,144,066	192,219	13,458,074	44,663	3,233,505	4,813	333,264	5	384	1,698	118,838
Residue	Dec-10	289,764	23,637,277	0	1,476	7,740	589,072	256,654	20,953,059	25,370	2,092,440	0	1,230
Cold Box Vent	Dec-10	109,584	9,322,065	116	83,801	100,614	8,142,064	8,824	1,035,897	0	137	30	60,166
Flare/Boot Strap	Dec-10	0	807,377	0	42,077	0	322,252	0	347,177	0	90,678	0	5,193
Fuel From Cheu	Dec-10	9,050	755,520	0	245	299	22,375	7,262	612,727	1,489	120,173	0	0
Shrinkage/Loss	Dec-10	3,327	200,650	0	0	0	0	0	0	3,327	200,650	0	0
Unaccounted*	Dec-10	21,048	1,382,299	1,492	61,373	16,553	1,150,643	2,975	167,415	(0)	1,083	28	1,784

*Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	15,404,113	1,281,445
net acceptances + redeliveries	0	0
In Kind Transfers	0	0
Open Market Sales	(35,000)	35,000
Gain/loss	(1,966)	
Ending Inventory	15,367,146	1,128,293
Total Helium in Reservoir	18,955,321	
Total Helium in Storage	16,495,439	
Helium in native gas	2,459,882	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	30,042	22,652	75.40%
Measured to Pipeline (Private Plants)	65,225	43,384	66.51%
Measured from Pipeline (Private Plant:	303,749	231,494	76.21%
HEU Production	243,398	192,219	78.97%
Injection	0	0	00.00%
Production	350	245	69.86%
Ending Inventory	32,829	25,040	76.27%
Gain/Loss	(2,437)	(1,966)	

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 - 2010

	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										
Jack B. Kelley Co., Contract no. INC98-0110										
Month										
FYTD										
Portland Welding Supply, Contract no. INC98-0111										
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										
Total month	17,546	1,959	0	28	9,387	12,318	41,237	40,601	\$2,628,915	
Total FYTD	17,546	1,959	0	28	9,387	12,318	41,237	40,601	\$2,628,915	
Total CYTD	87,398	8,077	3	2,416	24,415	46,503	168,812	166,206	\$10,785,065	
Cumulative	1,563,185	78,065	230	270,383	356,669	408,397	2,676,929	2,635,430	\$143,118,860	
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							0	42,846	169,529	2,594,708
Volume outstanding							40,797			

* Volumes in Mcf at 14.7 psia & 70°F
 + Volumes in Mcf at 14.65 psia & 60°F

**Rounded to nearest dollar

Table 5 - Open Market/Reserve Sell-down

December - 2010

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	25,000	0	25,000	\$1,875,000	
Cumulative	102,000		102,000	\$6,133,500	
<u>Air Products, L.P.</u>					
Month	0	(100,000)	100,000	\$7,500,000	
FYTD	100,000	0	100,000	\$7,500,000	
Cumulative	4,809,400		4,809,400	\$285,906,750	
<u>Linde Gas North America, LLC</u>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	3,924,000		3,924,000	\$225,703,750	
<u>Keyes Helium Co., LLC</u>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	678,200		678,200	\$40,177,400	
<u>Matheson Tri-Gas, Inc.</u>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	10,000		10,000	\$587,500	
<u>Praxair, Inc.</u>					
Month	0	(75,000)	75,000	\$5,625,000	
FYTD	125,000	0	125,000	\$9,375,000	
Cumulative	2,490,000		2,490,000	\$147,883,750	
<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	
Total month	0	(175,000)	175,000	\$13,125,000	
Total FYTD	250,000	0	250,000	\$18,750,000	
Total CYTD	2,125,000		2,125,000	\$140,156,250	
Cumulative	12,213,600		12,213,600	\$717,427,650	
Open Market Transfers					
		Month	FYTD	CYTD	Cumulative
Transferred		35,000	1,170,000	2,175,000	12,038,600
Volume outstanding		175,000			

* Volumes in Mcf at 14.65 psia & 60°F

Natural Gas/Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	Avg Btu Value	Charges Billed (\$)***
<u>El Paso Natural Gas</u>					
Provides Measured Firm/Interruptible Transportation Services					(billed monthly)
Month	286,648	---	314,179	1,096	(\$30,248)
FYTD	844,001	---	924,547	1,095	(\$90,435)
Cumulative	23,115,554	---	25,424,568	1,100	(\$2,620,254)
<u>Minerals Management Service</u>					
No Longer Provides Natural Gas Marketing Services					
Cumulative	---	---	---	---	(\$179,913)
<u>Tenaska</u>					
Purchaser - Natural Gas				\$/Unit	
Month	---	---	317,020	\$4.015446	\$1,272,977
FYTD	---	---	926,913	\$3.568178	\$3,304,249
Cumulative	---	---	25,264,526	\$5.570016	\$139,897,273
<u>SemCrude</u>					
Purchaser - Natural Gas Liquids					
Month	---	79,848	8,526	\$14.608407	\$124,551
FYTD	---	259,240	27,657	\$13.566412	\$375,206
Cumulative	---	6,215,528	663,670	\$11.634323	\$7,721,351
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$/Per Unit (\$\$/Dth)	Total (\$\$)
Total month	286,648	79,848	325,546	\$4.199960	\$1,367,280
Total FYTD	844,001	259,240	954,570	\$3.763121	\$3,589,021
Total CYTD	3,271,256	1,035,673	3,665,495	\$4.208959	\$15,422,265
Cumulative	23,115,554	6,215,528	25,928,196	\$5.617244	\$144,818,457

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

**Rounded to nearest dollar

Table 6 - Helium Resources Evaluation

December - 2010

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$867,470	\$3,367,285
Natural Gas Royalties (1)	\$655	\$2,284
Natural Gas Rentals	\$0	\$0
Other	\$4,516	\$36,879
Revenue Collected from Federal Lease Holds	\$859,793	\$3,374,085

*Totals do not sum

Helium Analysis and Evaluation	Month	FYTD
Number of Sample Request Letters Sent	0	0
Number of Samples Received	5	5
Number of Samples Analyzed	15	15
Total Number of Samples Analyzed For Resources Division	15	35
Total Number of Other Samples Analyzed (2)	29	68

U. S. Helium Production

<i>Domestic</i>	FY Volume		CY Volume
2003 Helium Sold	4,621,000		4,393,555
2004 Helium Sold	4,675,800		4,692,699
2005 Helium Sold	4,936,900		4,800,782
2006 Helium Sold	4,943,900		4,944,544
2007 Helium Sold	4,941,200		4,965,176
2008 Helium Sold	4,767,400		4,668,286
2009 Helium Sold	4,325,300	*	4,744,174
Estimated Helium Resources as of 12/31/2006(Mcf)			732,000,000

* Indicates Production Data are Projected

U.S. Helium Exports (3)	FY-2009	CY-2008
	2,631,905	2,520,465

(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 - 2010

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	65,225	66.4%	43,342	119,948	440,152	29,623,891	80,541	43,507,824		
Crude Disposed	303,749	76.2%	231,494	663,245	2,315,750	41,007,775	45,541	29,516,929		
Grade-A Rdlvrd	0		0	0	0	1,478,718				
Net/Balance	(238,524)		(188,152)	(543,297)	(1,875,598)	(12,862,602)	35,000	13,990,895	1,128,293	\$633,567
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										

Government Helium		
Remaining Crude Acquired beginning of the month		15,404,113
Crude Disposed: In Kind Sales transferred for the month		0
Open Market/Reserve Sell Down transferred for the month		(35,000)
Gains and Losses for the month		(1,966)
Net/Balance of Purchased Helium Remaining for Sale		15,367,146

*Includes In Kind and Open Market transfers from Government storage

**Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations) December - 2010

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$4.02	\$3.58	\$5.60
Fuel used *	total MMBTU	10,468	29,595	1,078,513
Field compressor fuel revenue *	\$dollars	\$33	\$62	\$649,821
HEU compressor fuel credit *	\$dollars	\$22,946	\$56,676	\$3,217,809
HEU process fuel credit *	\$dollars	\$19,135	\$49,195	\$2,173,400
#1 Compressor run time *	hours	744	1,830	61,684
#2 Compressor run time *	hours	622	2,045	42,416
#3 Compressor run time *	hours	108	477	29,997

* Field/CHEU Compressor Operations based on Dec 10 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)	(\$58,484)	(\$175,602)	(\$7,879,499)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$14,983	\$45,099	\$1,949,309
Net Total - Cliffside Refiners, LP	(\$43,501)	(\$130,502)	(\$5,930,190)

* BLM provided fuel cost is based on Oct 10 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	741	99.6%	2,190	99.2%	63,863
Producing residue gas	736	99.0%	2,166	98.1%	63,259
Producing helium product	735	98.8%	2,155	97.6%	60,366
Producing natural gas liquids	736	98.9%	2,163	97.9%	58,901

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$324,997	\$946,207	\$17,276,944
Total operating costs	(\$818,359)	(\$2,524,933)	(\$79,611,663)
Labor	\$102,454	\$307,362	\$6,841,032
Compressor fuel cost Nov 10	\$17,334	\$81,476	\$3,245,514
HEU fuel cost Nov 10	\$15,963	\$52,834	\$2,199,092
Electrical power cost Oct 10	\$130,205	\$426,053	\$11,831,021
Other	\$59,058	\$177,173	\$8,045,533
Sub Total - Items provided by BLM	\$325,014	\$1,044,898	\$35,371,547
Total - Cliffside Refiners, LP, GDA030001	(\$493,345)	(\$1,480,036)	(\$44,240,116)

*Rounded to nearest dollar

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Dec 10	4,149	12,038	344,075
Cheu Pure Water Usage (gallons) Dec 10	837	2,263	235,115
Electricity Metered (Kwh) consumed Oct 10	2,653,935	8,173,148	208,473,968