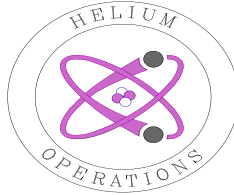


# Bureau of Land Management

## Amarillo Field Office Helium Operations



### Statistical Report for May - 2010



#### *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

Issued: September 20, 2010

***\* 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: 09/20/2010

Table 1 - Summary of Helium Operations

May - 2010

**Helium Enrichment Unit Operations****Gas Processed**

	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	611,652	146,990	24.03%	4,657,578	1,140,012
Helium Product (Mcf*)	185,833	145,728	78.42%	1,449,133	1,130,783
Residue Natural Gas (Mcf*)	284,508	0	00.00%	2,105,469	0

\* Volumes in Mcf at 14.65 psia &amp; 60°F

**Natural Gas & Liquids Produced****Gas Processed**

	Month	FYTD
Natural Gas Sales (Mcf***)	282,380	2,095,810
NGL Sales (gallons)	86,760	675,084

\*\*\* Volumes in Mcf at 14.73 psia &amp; 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Total Withdrawn (Mcf*)	614,027	152,855	24.89%	4,672,346	1,179,700
Crude Injection (Mcf*)	11,514	9,016	78.31%	172,617	134,753
Crude Production (Mcf*)	8,959	7,003	78.17%	58,932	45,833

\* Volumes in Mcf at 14.65 psia &amp; 60°F

**Storage Operations****Conservation Helium**

	Month	FYTD	CYTD	Cumulative
Open Market Sale Volumes (Mcf*)	50,000	825,000	525,000	10,388,600
Conservation Helium in Storage (EOM) (Mcf*)	17,139,553			

\* Volumes in Mcf at 14.65 psia &amp; 60°F

**In Kind Helium**

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	31,705	119,715	75,818	2,500,997
Sale Volumes Outstanding (Mcf*)	6,830			

\* Volumes in Mcf at 14.65 psia &amp; 60°F

**Private Company Helium Storage Contracts****Contact Activity**

	Month			Annual Helium FYTD
	Gross Volume	Net Helium	Average Percent	
Crude Acquired (Mcf*)	45,908	30,853	67.21%	341,479
Crude Disposed (Mcf*)	226,457	171,378	75.68%	1,332,037
Net Balance (Mcf*)	(180,549)	(140,525)		(990,558)
Balance of Stored Helium End Of Month (Mcf*)		613,345		

\* Volumes in Mcf at 14.65 psia &amp; 60°F

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

	Month	FYTD
Storage Fees Billed (\$)	\$324,960	\$2,291,107
Reservoir Management Fees Billed (\$)	\$237,610	\$1,698,494

**Field Compressor Charges** (Charges Billed (\$))

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$55,910)	(\$458,588)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$11,641	\$104,437
Net-Total (Funded by the Refiners for compression costs.)	(\$44,269)	(\$354,151)

**Enrichment Unit Charges** (Charges Billed (\$))

	Month	FYTD
Reservoir Management Fees (RMF)	\$237,610	\$1,698,494
Total operating costs	(\$828,367)	(\$6,528,309)
Sub Total - Items provided by BLM	\$340,697	\$2,626,947
Total - Cliffside Refiners, LP, GDA030001	(\$487,670)	(\$3,901,362)

**Conservation Helium - Natural Gas - Liquid Sales**

(Charges Billed (\$))

	Month	FYTD
Open Market Sales	\$8,417,500	\$42,411,250
In Kind Sales	\$0	\$5,240,722
Natural Gas & Liquid Sales	\$1,229,347	\$10,664,587

**Helium Resources Evaluation**

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$811,883	\$6,213,135
Helium Sample Collection Report for month	Submitted - 0	Received - 0
		Analyzed - 37

\*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

May - 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
<b>TOTAL</b>		<b>614,027</b>	<b>184,147,154</b>	<b>152,855</b>	<b>32,373,762</b>	<b>153,361</b>	<b>45,237,815</b>	<b>273,311</b>	<b>95,483,982</b>	<b>29,242</b>	<b>9,525,425</b>	<b>5,259</b>	<b>1,526,171</b>
BIVINS A-3	May-10	0	10,086,632	0	3,083,333	0	2,553,540	0	3,992,174	0	389,627	0	67,958
BIVINS A-6	May-10	8,959	8,220,871	7,003	4,757,900	1,728	2,030,877	166	1,279,254	0	122,837	62	30,003
BIVINS A-13	May-10	55,799	5,358,883	27,055	3,221,421	13,928	1,398,733	12,975	644,801	1,434	68,198	407	25,730
BIVINS A-14	May-10	66,185	5,912,967	37,108	3,927,073	16,526	1,510,577	10,887	407,281	1,168	41,805	496	26,232
BIVINS A-4	May-10	40,301	11,021,286	11,115	1,949,373	9,868	2,669,525	17,104	5,737,493	1,848	569,065	365	95,829
BUSH A-2	May-10	40,294	10,193,689	8,968	1,544,275	10,173	2,482,768	18,799	5,524,505	2,068	553,128	286	89,013
Injection	May-10	11,514	66,237,653	9,016	47,843,737	2,207	17,067,163	210	775,632	1	23	80	551,098
inj Bivins A-3	May-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	May-10	(11,514)	(24,198,128)	(9,016)	(17,511,600)	(2,207)	(6,436,899)	(210)	(138,166)	(0)	(12)	(80)	(111,452)
inj Bivins A-13	May-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	May-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	May-10	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	May-10	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	May-10	8,959	1,152,511	7,003	850,879	1,728	247,075	166	43,767	0	2,911	62	7,880
BIVINS A-1	May-10	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	May-10	26,350	12,465,203	1,792	1,807,308	6,283	3,067,131	16,319	6,815,404	1,713	673,704	242	101,656
BIVINS A-5	May-10	29,451	13,855,992	7,708	1,587,690	7,485	3,376,636	12,629	7,976,473	1,405	793,263	224	121,930
BIVINS A-7	May-10	31,002	10,044,736	10,486	2,217,260	8,068	2,515,052	10,995	4,760,202	1,246	478,191	208	74,030
BIVINS A-9	May-10	26,350	8,969,636	545	167,832	6,806	2,188,869	16,998	5,934,127	1,793	595,401	208	83,407
BIVINS A-11	May-10	26,359	4,890,521	656	95,658	6,748	1,205,397	16,931	3,216,023	1,785	327,145	240	46,299
BIVINS A-15	May-10	41,323	7,823,194	853	394,619	9,789	1,867,955	27,415	4,986,154	2,797	496,410	469	78,057
BIVINS B-1	May-10	26,351	6,055,723	982	246,106	6,436	1,464,055	16,902	3,892,062	1,764	394,399	266	59,102
BIVINS B-2	May-10	26,350	4,765,199	503	89,420	6,743	1,184,498	16,922	3,111,574	1,766	317,875	416	61,832
BUSH A-1	May-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	May-10	34,101	9,845,552	16,820	1,964,184	8,738	2,416,356	7,405	4,890,417	858	487,546	280	87,048
BUSH A-4	May-10	24,801	7,049,860	5,518	1,318,996	6,353	1,754,189	11,519	3,565,278	1,262	358,716	149	52,681
BUSH A-5	May-10	40,301	13,566,213	13,499	2,910,536	10,276	3,392,484	14,657	6,513,924	1,635	651,893	234	97,377
BUSH A-8	May-10	17,050	3,219,287	315	58,928	4,218	773,236	11,115	2,136,051	1,151	213,771	251	37,300
BUSH A-9	May-10	0	3,649,336	0	94,042	0	877,071	0	2,406,010	0	239,027	0	33,186
BUSH A-11	May-10	26,349	3,640,883	900	106,665	6,323	869,934	17,030	2,382,923	1,769	240,824	327	40,537
BUSH B-1	May-10	0	3,138,215	0	58,930	0	744,258	0	2,098,229	0	205,972	0	30,826
FUQUA A-1	May-10	0	2,954,072	0	53,853	0	702,792	0	1,975,157	0	193,571	0	28,699
FUQUA A-2	May-10	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	May-10	26,351	8,878,515	1,029	562,920	6,872	2,166,890	16,540	5,521,311	1,781	554,497	129	72,896
TT Fuel	May-10	0	0	0	0	0	0	0	0	0	0	0	0
field-wide pct's				24.89%	17.58%	24.98%	24.57%	44.51%	51.85%	4.76%	5.17%	0.86%	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 May-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  
Remaining Gas In Place July 2002 181.660  
Produced July 2002 through Dec 2002 1.096  
Production 2003 - 08 48.814  
Injection 2003 - 08 (1.100)  
Produced to Date 2009 2.954  
Injected to Date 2009 (0.085)  
Amount of Raw Gas Available to CHEU 129.982 =====> 20.189 total helium in reservoir  
Estimated Bottom Hole Pressure 478.537  
est z-factor 0.980

\* All volumes on Table 2 are reported in Mcf at 14.65 psia &amp; 60°F

## Table 3 - Gas Volumes & Inventory

May - 2010

### 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	May-10	611,652	49,240,222	146,990	12,401,575	153,211	12,380,052	276,708	21,725,856	29,492	2,316,142	5,252	416,597
Calculated Feed	May-10	605,068	49,024,601	145,852	12,411,147	151,633	12,327,558	273,144	21,566,155	29,241	2,304,667	5,197	415,074
Feed to Box	May-10	601,193	48,734,888	145,852	12,411,326	151,633	12,327,640	273,144	21,566,200	29,241	2,304,674	1,323	125,048
Cheu Product	May-10	185,833	15,585,562	145,728	12,225,636	35,453	2,948,234	3,357	303,385	5	338	1,291	107,970
Residue	May-10	284,508	21,670,162	0	1,287	7,474	535,124	252,426	19,211,524	24,608	1,920,999	0	1,228
Cold Box Vent	May-10	101,016	8,601,509	71	82,812	93,453	7,477,968	7,472	980,620	0	137	21	59,973
Flare/Boot Strap	May-10	0	807,377	0	42,077	0	322,252	0	347,177	0	90,678	0	5,193
Fuel From Cheu	May-10	10,854	698,422	0	245	369	20,464	8,783	566,573	1,702	111,140	0	0
Shrinkage/Loss	May-10	2,926	176,298	0	0	0	0	0	0	2,926	176,298	0	0
Unaccounted*	May-10	16,057	1,224,500	53	56,446	14,885	1,036,646	1,107	128,679	(0)	1,083	11	1,646

\*Before October 2004, the values are estimated

### Storage Operations

#### Inventory (contained helium)

	Government	Private
Beginning inventory	17,225,009	672,165
net acceptances +	0	0
redeliveries	0	(140,525)
In Kind Transfers	(31,705)	31,705
Open Market Sales	(50,000)	50,000
Gain/loss	(3,751)	
Ending Inventory	17,139,553	613,345
Total Helium in Reservoir	20,189,366	
Total Helium in Storage	17,752,898	
Helium in native gas	2,436,467	

#### Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	47,305	35,549	75.15%
Measured to Pipeline (Private Plants)	46,024	30,906	67.15%
Measured from Pipeline (Private Plant:	226,573	171,384	75.64%
HEU Production	185,833	145,728	78.42%
Injection	11,514	9,016	78.31%
Production	8,959	7,003	78.17%
Ending Inventory	46,125	35,036	75.96%
Gain/Loss	(3,909)	(3,751)	

### 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

May - 2010

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$) **
<b>In Kind Helium</b>									
<b>AirGas South West, Contract no. INC98-0101</b>									(billed quarterly)
Month									
FYTD									
<b>AirGas North Central, Contract no. INC98-0102</b>									
Month									
FYTD									
<b>AirGas Intermountain, Contract no. INC98-0103</b>									
Month									
FYTD									
<b>Air Liquide Helium America, Inc., Contract no. INC98-0104</b>									
Month									
FYTD									
<b>Air Products, L.P., Contract no. INC98-0105</b>									
Month									
FYTD									
<b>Linde Gas North America, LLC, Contract no. INC98-0106</b>									
Month									
FYTD									
<b>Corp Brothers, Inc., Contract no. INC98-0107</b>									
Month									
FYTD									
<b>FIBA Technologies, Inc., Contract no. INC98-0108</b>									
Month									
FYTD									
<b>General Air Service &amp; Supply Co., Contract no. INC98-0109</b>									
Month									
FYTD									
<b>Jack B. Kelley Co., Contract no. INC98-0110</b>									
Month									
FYTD									
<b>Portland Welding Supply, Contract no. INC98-0111</b>									
Month									
FYTD									
<b>Praxair, Inc., Contract no. INC98-0112</b>									
Month									
FYTD									
<b>United States Welding, Inc., Contract no. INC98-0113</b>									
Month									
FYTD									
<b>Matheson Tri-Gas, Inc., Contract no. INC98-0114</b>									
Month									
FYTD									
<b>GT &amp; S, Contract no. INC00-0115</b>									
Month									
FYTD									
<b>Total month</b>	0	0	0	0	0	0	0	0	\$0
<b>Total FYTD</b>	49,841	3,749	3	1,175	13,384	15,785	83,937	82,641	\$5,240,722
<b>Total CYTD</b>	21,890	1,865	0	197	4,353	10,828	39,132	38,528	\$2,494,688
<b>Cumulative</b>	1,497,677	71,853	227	268,164	336,607	372,721	2,547,249	2,507,752	\$134,828,483
<b>In Kind Transfers</b>							Month	FYTD	CYTD Cumulative
Transferred							31,705	119,715	75,818 2,500,997
Volume outstanding							6,830		

\* Volumes in Mcf at 14.7 psia &amp; 70°F

+ Volumes in Mcf at 14.65 psia &amp; 60°F

\*\*Rounded to nearest dollar

Table 5 - Open Market/Reserve Sell-down  
Helium & Natural Gas Sales

May - 2010

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$)**	
Conservation Helium				(billed quarterly)	
<u>Air Liquide Helium America, Inc.</u>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	77,000		77,000	\$4,258,500	
<u>Air Products, L.P.</u>					
Month	0	0	0	\$0	
FYTD	550,000	350,000	200,000	\$12,950,000	
Cumulative	4,209,400		3,859,400	\$223,369,250	
<u>Linde Gas North America, LLC</u>					
Month	0	(130,000)	130,000	\$8,417,500	
FYTD	305,000	0	305,000	\$19,748,750	
Cumulative	3,534,000		3,534,000	\$200,451,250	
<u>Keyes Helium Co., LLC</u>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	548,200		548,200	\$31,759,900	
<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	0	0	\$0	
FYTD	150,000	0	150,000	\$9,712,500	
Cumulative	2,290,000		2,290,000	\$133,652,500	
<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	(130,000)	130,000	\$8,417,500	
Total FYTD	1,005,000	350,000	655,000	\$42,411,250	
Total CYTD	780,000		430,000	\$27,842,500	
Cumulative	10,868,600		10,518,600	\$605,113,900	
Open Market Transfers		Month	FYTD	CYTD	Cumulative
Transferred		50,000	825,000	525,000	10,388,600
Volume outstanding		130,000			

\* 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)
<b><u>El Paso Natural Gas</u></b>					
Month	282,380	---	308,966	1,094	(\$30,178)
FYTD	2,095,810	---	2,294,533	1,095	(\$238,567)
Cumulative	21,181,685	---	23,306,418	1,100	(\$2,409,433)
<b><u>Minerals Management Service</u></b>					
Month	---	---	---	---	\$0
FYTD	---	---	---	---	(\$15,119)
Cumulative	---	---	---	---	(\$174,371)
<b><u>Tenaska</u></b>					
Month	---	---	307,143	\$3.747400	\$1,150,988
FYTD	---	---	2,277,170	\$4.390752	\$9,998,488
Cumulative	---	---	23,158,484	\$5.734809	\$131,988,591
<b><u>SemCrude</u></b>					
Month	---	86,760	9,271	\$11.707177	\$108,537
FYTD	---	675,084	72,135	\$12.750886	\$919,785
Cumulative	---	5,601,874	598,028	\$11.559431	\$6,912,863
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$ Per Unit (\$/Dth)	Total (\$)
<b>Total month</b>	282,380	86,760	316,414	\$3.885249	<b>\$1,229,347</b>
<b>Total FYTD</b>	2,095,810	675,084	2,349,305	\$4.539465	<b>\$10,664,587</b>
<b>Total CYTD</b>	1,337,387	422,019	1,493,811	\$4.633423	<b>\$6,921,458</b>
<b>Cumulative</b>	21,181,685	5,601,874	23,756,512	\$5.772672	<b>\$136,317,650</b>

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

\*\*Rounded to nearest dollar

## Table 6 - Helium Resources Evaluation

May - 2010

All Volumes in Mcf at 14.7 psia & 70°F

<b>Revenue Collected From Federal Leaseholds</b>	Month*	FYTD*
Fee Sales & Royalties	\$809,157	\$6,194,089
Natural Gas Royalties (1)	\$624	\$4,439
Natural Gas Rentals	\$0	\$640
Other	\$13,968	\$134,660
Revenue Collected from Federal Lease Holds	\$811,883	\$6,213,135

\*Totals do not sum

<b>Helium Analysis and Evaluation</b>	Month	FYTD
Number of Sample Request Letters Sent	0	0
Number of Samples Received	0	0
Number of Samples Analyzed	0	1
Total Number of Samples Analyzed For Resources Division	0	19
Total Number of Other Samples Analyzed (2)	37	209

### 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		4,238,881
Estimated Helium Resources as of 12/31/2006(Mcf)			732,000,000

	FY-2009	CY-2009
<b>U.S. Helium Exports</b> (3)	2,631,905	2,563,080

(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

May - 2010

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	45,908	67.2%	30,853	341,479	190,333	29,374,072	127,859	41,313,935			
Crude Disposed	226,457	75.7%	171,378	1,332,037	837,168	39,529,193	46,154	29,066,751			
Grade-A Rdlvrd	0		0	0	0	1,478,718					
Net/Balance	(180,549)		(140,525)	(990,558)	(646,835)	(11,633,839)	81,705	12,247,184	613,345	\$562,570	\$3,991,935
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											

<b>Government Helium</b>	
Remaining Crude Acquired beginning of the month	17,225,009
Crude Disposed: In Kind Sales transferred for the month	(31,705)
Open Market/Reserve Sell Down transferred for the month	(50,000)
Gains and Loses for the month	(3,751)
Net/Balance of Purchased Helium Remaining for Sale	17,139,553

\*Includes In Kind and Open Market transfers from Government storage

\*\*Rounded to nearest dollar



Table 8 - Compression &amp; CHEU (Charges &amp; Operations)

May - 2010

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$3.75	\$4.41	\$5.72
Fuel used *	total MMBTU	12,482	99,807	1,010,507
Field compressor fuel revenue *	\$dollars	\$1,414	\$10,148	\$646,710
HEU compressor fuel credit *	\$dollars	\$29,335	\$269,417	\$3,055,963
HEU fuel credit *	\$dollars	\$16,059	\$160,193	\$2,081,623
#1 Compressor run time *	hours	437	4,504	58,168
#2 Compressor run time *	hours	426	4,141	38,542
#3 Compressor run time *	hours	625	2,907	27,549

\* Field/CHEU Compressor Operations based on May 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)	(\$55,910)	(\$458,588)	(\$7,475,593)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$11,641	\$104,437	\$1,852,982
Net Total - Cliffside Refiners, LP	(\$44,269)	(\$354,151)	(\$5,622,612)

\* BLM provided fuel cost is based on Mar 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	744	100.0%	5,741	98.4%	58,842
Producing residue gas	744	100.0%	5,691	97.6%	58,357
Producing helium product	744	100.0%	5,695	97.6%	55,490
Producing natural gas liquids	744	100.0%	5,701	97.8%	54,005

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$237,610	\$1,698,494	\$15,141,920
Total operating costs	(\$828,367)	(\$6,528,309)	(\$73,806,879)
Labor	\$102,247	\$817,974	\$6,124,683
Compressor fuel cost Mar 10	\$34,291	\$254,606	\$3,049,998
HEU fuel cost Mar 10	\$21,039	\$151,865	\$2,095,068
Electrical power cost Mar 10	\$130,469	\$981,294	\$10,860,619
Other	\$52,651	\$421,207	\$7,657,756
Sub Total - Items provided by BLM	\$340,697	\$2,626,947	\$32,997,479
Total - Cliffside Refiners, LP, GDA030001	(\$487,670)	(\$3,901,362)	(\$40,809,400)

\*Rounded to nearest dollar

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage May 10	3,724	31,586	322,339
Cheu Pure Water Usage (gallons) May 10	992	9,829	228,326
Electricity Metered (Kwh) consumed Mar 10	2,783,244	22,411,922	189,234,706