

# Bureau of Land Management

## Amarillo Field Office Helium Operations



### Statistical Report for May - 2008



#### *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: August 28, 2008

**"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*

Date: 08/28/2008

Table 1 - Summary of Helium Operations

May - 2008

**Helium Enrichment Unit Operations**

Gas Processed	Month			Gross Cumulative	Net Cumulative
	Gross Volume	Net Helium	Average Percent		
Plant Feed	646,264	165,145	25.55%	35,063,982	8,924,178
Helium Product	206,282	161,993	78.53%	11,177,065	8,783,784
Residue Natural Gas	286,142	0	00.00%	15,256,033	1,197

**Natural Gas & Liquids Produced**

Gas Processed	Month	FYTD
Natural Gas Sales (Mcf***)	265,687	2,287,391
NGL Sales (gallons)	79,912	649,570

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

**Bush Dome Reservoir Operations**

Conservation gases from all sources	Month			Gross Cumulative	Net Cumulative
	Gross Volume	Net Helium	Average Percent		
Total Withdrawn	634,517	163,448	25.76%	169,797,725	28,693,654
Crude Injection	14,517	11,429	78.73%	65,733,174	47,450,386
Crude Production	1,300	1,027	78.98%	866,196	629,145

**Storage Operations**

Conservation Helium	Month	FYTD	CYTD	Cumulative
Open Market Sale Volumes (Mcf*)	12,000	927,000	794,000	8,177,600
Conservation Helium in Storage (EOM)	19,792,961			

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

**In Kind Helium**

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred	57,801	165,966	114,176	2,161,968
Sale Volumes Outstanding	952			

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	115,754	79,840	68.97%	468,727
Crude Disposed	309,211	230,856	74.66%	1,656,196
Net Balance	(193,457)	(151,016)		(1,187,469)
Balance of Stored Helium End Of Month		1,227,316		

Volumes in Mcf at 14.65 psia & 60°F

**Revenue / Charges**

Helium Storage Contracts (Charges Billed (\$))	Month	FYTD
Storage Fees Billed (\$)	\$356,299	\$2,510,609
Reservoir Management Fees Billed (\$)	\$215,990	\$1,617,599

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

	Month	FYTD
Funded by Cliffside Refiners, LP (provides for booster compression services)	(\$73,942)	(\$495,451)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$29,468	\$139,661
Net-Total (Funded by the four Refiners to the Cliffside Refiners, LP for the compression costs.)	(\$44,474)	(\$355,791)

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

	Month	FYTD
Reservoir Management Fees (RMF)	\$215,990	\$1,617,599
Total operating costs	(\$881,546)	(\$7,307,219)
Sub Total - Items provided by BLM	\$370,733	\$3,220,715
Total - Cliffside Refiners, LP, GDA030001	(\$510,813)	(\$4,086,504)

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

	Month	FYTD
Open Market Sales	\$8,591,000	\$61,952,000
In Kind Sales	\$0	\$6,866,404
Natural Gas & Liquid Sales	\$2,829,012	\$18,191,388

**Helium Resources Evaluation**

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$744,618	\$5,311,582
Helium Sample Collection Report for month	Submitted - 17	Received - 7
		Analyzed - 17

\*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

May - 2008

		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>634,517</b>	<b>169,797,725</b>	<b>163,448</b>	<b>28,693,654</b>	<b>159,924</b>	<b>41,643,969</b>	<b>276,287</b>	<b>89,201,916</b>	<b>29,546</b>	<b>8,853,442</b>	<b>5,311</b>	<b>1,404,744</b>
BIVINS A-3	May-08	24,684	9,901,458	14,506	2,974,625	6,199	2,507,087	3,477	3,965,967	342	387,021	160	66,756
BIVINS A-6	May-08	1,300	7,940,135	1,027	4,539,653	242	1,975,749	22	1,273,857	0	122,822	9	28,054
BIVINS A-13	May-08	47,789	4,120,599	25,166	2,597,198	11,961	1,089,318	9,311	378,354	1,006	38,947	345	16,782
BIVINS A-14	May-08	49,426	4,535,105	30,569	3,118,562	12,338	1,166,402	5,575	212,909	582	21,260	363	15,972
BIVINS A-4	May-08	39,815	10,141,494	13,996	1,680,153	9,755	2,453,971	14,186	5,388,001	1,536	531,294	341	88,075
BUSH A-2	May-08	36,808	9,373,042	11,306	1,339,724	9,360	2,274,917	14,295	5,161,987	1,582	513,260	265	83,155
Injection	May-08	14,517	65,733,174	11,429	47,450,386	2,724	16,969,123	261	766,042	0	18	103	547,606
inj Bivins A-3	May-08	0	(25,652,212)	0	(18,384,374)	0	(6,554,527)	0	(332,774)	0	0	0	(380,537)
inj Bivins A-6	May-08	(14,517)	(23,693,753)	(11,429)	(17,118,327)	(2,724)	(6,338,879)	(261)	(128,578)	0	(9)	(103)	(107,961)
inj Bivins A-13	May-08	0	(6,490,417)	0	(4,706,191)	0	(1,656,853)	0	(122,391)	0	0	(2)	(4,980)
inj Bivins A-14	May-08	0	(6,501,333)	0	(4,767,421)	0	(1,602,106)	0	(126,303)	0	0	(7)	(5,497)
inj Bivins A-4	May-08	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	May-08	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	May-08	1,300	866,196	1,027	629,145	242	190,591	22	37,736	0	2,832	9	5,891
BIVINS A-1	May-08	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	May-08	10,423	12,101,307	757	1,782,828	2,509	2,980,131	6,395	6,589,893	668	650,116	94	98,339
BIVINS A-5	May-08	32,266	13,162,900	8,771	1,402,335	8,215	3,200,329	13,533	7,682,812	1,499	760,792	248	116,632
BIVINS A-7	May-08	29,204	9,365,212	10,122	1,986,393	7,605	2,338,181	10,134	4,520,120	1,148	451,044	196	69,475
BIVINS A-9	May-08	43,250	8,184,262	870	151,759	11,156	1,986,187	27,934	5,427,126	2,946	541,990	344	77,200
BIVINS A-11	May-08	27,860	4,221,776	612	80,198	7,140	1,034,051	17,958	2,785,507	1,901	281,684	250	40,336
BIVINS A-15	May-08	19,783	7,134,179	448	380,211	4,689	1,704,741	13,087	4,529,257	1,336	449,716	223	70,253
BIVINS B-1	May-08	43,239	5,264,269	1,756	215,283	10,585	1,270,517	27,595	3,385,661	2,878	341,592	425	51,216
BIVINS B-2	May-08	38,599	3,982,229	737	74,462	9,904	983,863	24,760	2,608,967	2,608	265,218	589	49,717
BUSH A-1	May-08	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-08	38,176	9,038,603	19,434	1,559,674	9,839	2,208,943	7,694	4,721,542	892	468,006	317	80,438
BUSH A-4	May-08	24,496	6,444,961	5,893	1,178,186	6,287	1,599,073	10,966	3,290,068	1,199	328,655	151	48,978
BUSH A-5	May-08	45,956	12,669,497	14,618	2,606,722	11,731	3,163,633	17,414	6,191,087	1,922	615,909	271	92,146
BUSH A-8	May-08	17,022	2,831,410	313	51,762	4,197	677,439	11,115	1,882,961	1,156	187,557	241	31,690
BUSH A-9	May-08	14,826	3,412,597	549	80,362	3,730	816,024	9,448	2,260,902	1,024	223,348	74	31,962
BUSH A-11	May-08	21,673	3,117,986	776	88,480	5,207	744,395	13,981	2,045,163	1,444	205,861	266	34,088
BUSH B-1	May-08	62	3,101,158	1	58,240	15	735,621	41	2,073,501	4	203,271	0	30,525
FUQUA A-1	May-08	0	2,954,071	0	53,853	0	702,791	0	1,975,156	0	193,571	0	28,699
FUQUA A-2	May-08	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	May-08	27,860	8,258,788	1,219	537,551	7,260	2,005,610	17,366	5,133,961	1,875	511,952	140	69,714
TT Fuel	May-08	62	0	1	0	15	0	41	0	4	0	0	0
field-wide pct's				25.76%	16.90%	25.20%	24.53%	43.54%	52.53%	4.66%	5.21%	0.84%	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-08	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	Net Helium
Produced July 2002 through Dec 2002		1.096	33.997
Production 2003 - 07		32.417	0.743
Injection 2003 - 07		(0.563)	9.026
Produced to Date 2007		5.004	(0.435)
Injected to Date 2007		(0.162)	1.338
Amount of Raw Gas Available to CHEU		143.867	(0.127)
Estimated Bottom Hole Pressure		526.919	23.451 total helium in reservoir
			est z-factor
			0.975

### Table 3 - Gas Volumes & Inventory

May - 2008

#### 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-08	646,264	35,063,982	165,145	8,924,178	162,963	8,812,459	282,564	15,388,210	30,166	1,642,987	5,425	296,147
Calculated Feed	May-08	633,155	34,985,275	162,420	8,952,349	159,668	8,794,978	276,224	15,307,175	29,542	1,634,888	5,302	295,875
Feed to Box	May-08	629,330	34,783,161	162,420	8,952,349	159,668	8,794,978	276,224	15,307,175	29,542	1,634,888	1,477	93,770
Cheu Product	May-08	206,282	11,177,065	161,993	8,783,784	38,980	2,096,238	3,849	219,297	(0)	379	1,459	77,369
Residue	May-08	286,142	15,256,033	0	1,197	6,695	376,932	254,180	13,518,459	25,267	1,358,234	0	1,211
Cold Box Vent	May-08	102,445	6,308,000	76	80,591	95,299	5,368,032	7,059	799,652	(0)	137	10	59,588
Flare/Boot Strap	May-08	4,213	700,803	217	36,794	2,695	282,522	1,117	291,703	181	84,624	3	5,160
Fuel From Cheu	May-08	12,126	467,985	0	244	293	14,020	9,895	379,136	1,938	74,586	0	0
Shrinkage/Loss	May-08	2,157	112,781	0	0	0	0	0	0	2,157	112,781	0	0
Unaccounted*	May-08	15,965	804,310	134	47,560	15,704	675,622	124	78,656	(0)	1,082	4	1,390

\*Before October 2004, the values are estimated

#### Storage Operations

##### Inventory (contained helium)

	Government	Private
Beginning inventory	19,866,089	1,308,531
net acceptances + redeliveries	0	0
	0	(151,016)
In Kind Transfers	(57,801)	57,801
Open Market Sales	(12,000)	12,000
Gain/loss	(3,327)	
Ending Inventory	19,792,961	1,227,316
Total Helium in Reservoir	23,451,160	
Total Helium in Storage	21,020,277	
Helium in native gas	2,430,883	

##### Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	47,719	35,553	74.50%
Measured to Pipeline (Private Plants)	116,096	80,000	68.91%
Measured from Pipeline (Private Plant)	309,553	230,862	74.58%
HEU Production	206,282	161,993	78.53%
Injection	14,517	11,429	78.73%
Production	1,300	1,027	78.98%
Ending Inventory	44,036	32,955	74.84%
Gain/Loss	(3,291)	(3,327)	

#### Tuck Trigg Reservoir Operations

Native Gas (Gross)	Month	Fiscal Year	Since Field
			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

Table 4 - In Kind Helium Sales

May - 2008

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$)**	
<b>In Kind Helium</b>										
<b>AirGas Inc./Aeriform, Contract no. INC98-0101</b>									(billed quarterly)	
Month										
FYTD										
<b>AirGas Inc./AGA, Contract no. INC98-0102</b>										
Month										
FYTD										
<b>AirGas, Inc., 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>BOC Global Helium, Inc., 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>	73,311	6,860	3	6,798	9,456	20,512	116,939	115,128	\$6,866,404	
<b>Total CYTD</b>	34,298	2,984	0	3,313	5,090	13,886	59,571	58,648	\$3,548,204	
<b>Cumulative</b>	1,281,803	55,882	219	252,244	299,892	306,887	2,196,926	2,162,845	\$113,490,193	
<b>In Kind Transfers</b>							Month	FYTD	CYTD	Cumulative
Transferred							57,801	165,966	114,176	2,161,968
Volume outstanding							952			

\* 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

May - 2008

## Helium & Natural Gas Sales

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$)**	
				(billed quarterly)	
<b>Conservation Helium</b>					
<b><u>Air Liquide Helium America, Inc.</u></b>					
Month	0	0	0	\$0	
FYTD	15,000	10,000	5,000	\$302,500	
Cumulative	65,000		55,000	\$2,927,500	
<b><u>Air Products, L.P.</u></b>					
Month	0	(130,000)	130,000	\$7,865,000	
FYTD	410,000	0	410,000	\$24,805,000	
Cumulative	2,895,400		2,895,400	\$163,234,750	
<b><u>BOC Global Helium, Inc.</u></b>					
Month	0	0	0	\$0	
FYTD	150,000	0	150,000	\$9,075,000	
Cumulative	2,899,000		2,899,000	\$160,387,500	
<b><u>Keyes Helium Co., LLC</u></b>					
Month	0	(12,000)	12,000	\$726,000	
FYTD	131,000	12,000	119,000	\$7,199,500	
Cumulative	437,200		425,200	\$24,187,150	
<b><u>Matheson Tri-Gas, Inc.</u></b>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	10,000		10,000	\$587,500	
<b><u>Praxair, Inc.</u></b>					
Month	0	0	0	\$0	
FYTD	540,000	200,000	340,000	\$20,570,000	
Cumulative	2,040,000		1,840,000	\$105,615,000	
<b><u>Linde Gas North America, LLC</u></b>					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	200,000		200,000	\$11,035,000	
<b>Total month</b>	0	(142,000)	142,000	<b>\$8,591,000</b>	
<b>Total FYTD</b>	1,246,000	222,000	1,024,000	<b>\$61,952,000</b>	
<b>Total CYTD</b>	850,000		761,000	<b>\$46,040,500</b>	
<b>Cumulative</b>	8,546,600		8,324,600	<b>\$467,974,400</b>	
<b>Open Market Transfers</b>					
Transferred		Month	FYTD	CYTD	Cumulative
Volume outstanding		12,000	927,000	794,000	8,177,600
		147,000			

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

## Natural Gas/Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	\$/unit	Charges Billed (\$)**
					(billed monthly)
<b><u>El Paso Natural Gas</u></b>					
Provides Firm/Interruptible natural gas transportation services					
Month	286,347		314,313	(\$0.0886)	(\$27,850)
FYTD	2,177,218		2,391,232	(\$0.0936)	(\$223,829)
Cumulative	14,853,465		16,325,469	(\$0.1055)	(\$1,722,952)
<b><u>Minerals Management Service</u></b>					
Provides natural gas marketing services under a Cooperative Agreement					
Month					\$0
FYTD				(\$0.0034)	(\$7,331)
Cumulative				(\$0.0100)	(\$149,205)
<b><u>OGE Energy/Tenaska</u></b>					
-OGE Minerals Management Service data-					
Month	265,687	0	290,000	\$9.250388	\$2,682,613
FYTD	2,287,391	0	2,346,577	\$7.393027	\$17,236,676
Cumulative	15,200,028	0	16,250,025	\$6.281555	\$101,289,960
<b><u>SemCrude</u></b>					
Month	0	79,912	8,542	\$20.399149	\$174,250
FYTD	0	649,570	69,512	\$17.059958	\$1,185,872
Cumulative	0	3,783,369	402,659	\$11.477007	\$4,621,320
<b>Total month</b>	265,687	79,912	298,542	\$9.476095	<b>\$2,829,012</b>
<b>Total FYTD</b>	2,287,391	649,570	2,416,089	\$7.575474	<b>\$18,191,388</b>
<b>Total CYTD</b>	1,333,641	395,298	1,425,657	\$8.507156	<b>\$12,076,807</b>
<b>Cumulative</b>	15,200,028	3,783,369	16,652,684	\$6.294756	<b>\$104,039,124</b>

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

\*\*Rounded to nearest dollar

## Table 6 - Helium Resources Evaluation

May - 2008

All Volumes in Mcf at 14.7 psia & 70°F

<b>Revenue Collected From Federal Leaseholds</b>	Month*	FYTD*
Fee Sales & Royalties	\$747,869	\$5,289,472
Natural Gas Royalties (1)	\$327	\$11,661
Natural Gas Rentals	\$0	\$0
Other	\$10,449	\$91,206
Revenue Collected from Federal Lease Holds	\$744,618	\$5,311,582

\*Totals do not sum

<b>Helium Analysis and Evaluation</b>	Month	FYTD
Number of Sample Request Letters Sent	17	160
Number of Samples Received	7	20
Number of Samples Analyzed	10	28
Total Number of Samples Analyzed For Resources Division	10	28
Total Number of Other Samples Analyzed (2)	17	162

### U. S. Helium Production

<i>Domestic</i>	FY Volume		CY Volume
2002 Helium Sold	4,620,900		4,584,904
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	4,955,600		4,965,176
2008 Helium Sold *	4,792,350	*	4,730,277
Estimated Helium Resources (as of 01/01/2003)			305,000,000

\* Indicates Production Data is Projected

	FY-2007	CY-2007
<b>U.S. Helium Exports</b> (3)	2,321,417	2,316,333

(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 - 2008

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
				FYTD	CYTD	Cumulative					
<b>Total All Contracts*</b>											
Crude Acquired	115,754	69.0%	79,840	468,727	323,268	28,179,388	106,235	37,635,503			
Crude Disposed	309,211	74.7%	230,856	1,656,196	984,006	35,170,509	36,434	27,938,348			\$356,299 Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718					<u>\$215,990</u> RMF Fees
Net/Balance	(193,457)		(151,016)	(1,187,469)	(660,738)	(8,469,839)	69,801	9,697,155	1,227,316		\$572,289 \$4,128,207
<b>Total Prior Contracts (TERMINATED)</b>											
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		
<b>BOC Global Helium, Inc., Contract no. 1995-3249</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											
<b>Praxair, Inc., Contract no. 1995-3251</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											
<b>Air Products, L.P., Contract no. 1995-3256</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											
<b>ExxonMobil Gas Marketing Co., Contract no. 1995-3280</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											
<b>Pioneer Natural Resources USA, Inc, Contract no. 1995-3286</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											
<b>Keyes Helium Co., LLC, Contract no. 1995-3287</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											
<b>Linde Gas North America, LLC, Contract no. 2001-3282</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											
<b>Air Liquide Helium America, Inc., Contract no. 2003-3284</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											
<b>Matheson Tri-Gas, Inc., Contract no. 2007-3288</b>											
Crude Acquired											
Crude Disposed											
Net/Balance											

<b>Government Helium</b>	
Remaining Crude Acquired beginning of the month	19,866,089
Crude Disposed: In Kind Sales transferred for the month	(57,801)
Open Market/Reserve Sell Down transferred for the month	(12,000)
Gains and Losses for the month	(3,327)
Net/Balance of Purchased Helium Remaining for Sale	19,792,961

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

\*\*Rounded to nearest dollar

Table 8 - Compression & CHEU (Charges & Operations)

May - 2008

**Field/CHEU Compressor Operations**

		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$9.25	\$7.48	\$6.16
Fuel used *	total MMBTU	14,215	109,071	738,588
Field compressor fuel revenue *	\$dollars	\$471	\$16,849	\$601,738
HEU compressor fuel credit *	\$dollars	\$74,816	\$446,874	\$2,304,245
HEU fuel credit *	\$dollars	\$56,202	\$352,266	\$1,642,981
#1 Compressor run time *	hours	743	5,712	44,104
#2 Compressor run time *	hours	118	3,853	29,636
#3 Compressor run time *	hours	616	1,715	18,644

\* Field/CHEU Compressor Operations based on May 08 activity

**Field Compressor Charges**

	Charges Billed (\$)*		
BOC Global Helium, Inc., 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)	(\$73,942)	(\$495,451)	(\$6,054,629)
Cliffside Refiners, LP, GDA010002 (BLM provided fuel *, labor, supplies, etc.)	\$29,468	\$139,661	\$1,496,697
Net Total - Cliffside Refiners, LP	(\$44,474)	(\$355,791)	(\$4,557,932)

\* BLM provided fuel cost is based on Mar 08 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%	5,559	94.9%	41,792
Producing residue gas	739	99.3%	5,485	93.7%	41,667
Producing helium product	736	98.9%	5,472	93.4%	38,828
Producing natural gas liquids	738	99.2%	5,455	93.1%	37,315

**CHEU Charges**

	Charges Billed (\$)*		
	Month	FYTD	Cummulative
Reservoir Management Fees (RMF)	\$215,990	\$1,617,599	\$10,515,534
Total operating costs	(\$881,546)	(\$7,307,219)	(\$52,333,743)
Labor	\$76,263	\$610,104	\$3,616,784
Compressor fuel cost Mar 08	\$38,763	\$382,650	\$2,210,261
HEU fuel cost Mar 08	\$41,762	\$290,967	\$1,575,846
Electrical power cost Mar 08	\$104,334	\$1,060,106	\$7,400,607
Other	\$109,611	\$876,888	\$5,162,414
Sub Total - Items provided by BLM	\$370,733	\$3,220,715	\$23,175,267
Total - Cliffside Refiners, LP, GDA030001	(\$510,813)	(\$4,086,504)	(\$29,158,476)

*\*Rounded to nearest dollar*

**CHEU Utility Usage**

	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage May 08	5,209	40,102	238,411
Cheu Pure Water Usage (gallons) May 08	2,613	26,765	190,938
Electricity Metered (Kwh) consumed Mar 08	1,706,562	18,221,541	126,837,219