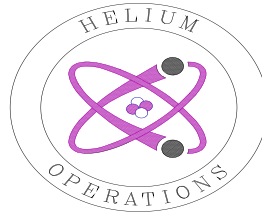
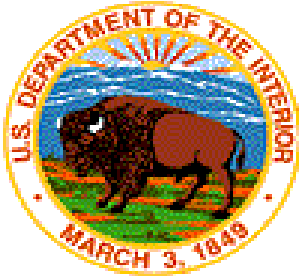


# Bureau of Land Management

## Amarillo Field Office Helium Operations

### Statistical Report for September - 2011



#### *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

#### *List of Tables*

Table 1 - Summary of Helium Operations  
Table 2 - Bush Dome Reservoir Operations  
Table 3 - Gas Volumes & Inventory  
Table 4 - In Kind Helium Sales  
Table 5 - Open Market/Reserve Sell-down  
Table 5 - Natural Gas/Liquid Sales  
Table 6 - Helium Resources Evaluation  
Table 7 - Helium Storage Contract Activity  
Table 8 - Compression & CHEU (Charges & Operations)

Amarillo, Texas

*Compiled by: Nelson R. Bullard*

Issued: November 7, 2011

**"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 /s/**

Date: **November 7, 2011**

## Table 1 - Summary of Helium Operations

September - 2011

### Helium Enrichment Unit Operations

#### Gas Processed

	Month			Gross FYTD	Net FYTD
	Gross Volume	Net Helium	Average Percent		
Measured Plant Feed (Mcf*)	682,266	196,731	28.83%	7,720,273	2,165,260
Helium Product (Mcf*)	244,170	194,802	79.78%	2,699,162	2,139,585
Residue Natural Gas (Mcf*)	289,022	0	00.00%	3,232,837	0

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

### Natural Gas & Liquids Produced

#### Gas Processed

	Month	FYTD
Natural Gas Sales (Mcf****)	286,158	3,197,165
NGL Sales (gallons)	110,618	1,063,509

\*\*\* 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Total Withdrawn (Mcf*)	674,786	195,051	28.91%	7,679,220	2,181,940
Crude Injection (Mcf*)	0	0	00.00%	0	0
Crude Production (Mcf*)	0	0	00.00%	44,799	30,697

\* 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*)		525,000	2,100,000	1,850,000	14,063,600
Open Market Sale Volume Transferred (Mcf*)	525,000	0	2,670,000	1,500,000	13,538,600
Conservation Helium in Storage (EOM) (Mcf*)		13,731,297			

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

#### In Kind Helium

	Month	FYTD	CYTD	Cumulative
Sale Volumes Transferred (Mcf*)	64	164,868	122,022	2,716,730
Sale Volumes Outstanding (Mcf*)	42,646			

\* 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*)	45,049	29,743	66.02%	412,110
Crude Disposed (Mcf*)	294,364	229,050	77.81%	2,551,197
Net Balance (Mcf*)	(249,315)	(199,307)		(2,139,087)
Balance of Stored Helium End Of Month (Mcf*)		1,154,525		

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

### Revenue / Charges

#### Helium Storage Contracts (Charges Billed (\$))

	Month	FYTD
Storage Fees Billed (\$)	\$9,574	\$2,984,540
Reservoir Management Fees Billed (\$)	\$345,301	\$3,696,263

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

	Month	FYTD
Funded by the Refiners (provides for booster compression services)	(\$58,484)	(\$706,592)
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.)	\$14,983	\$184,582
Net-Total (Funded by the Refiners for compression costs.)	(\$43,501)	(\$522,009)

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

	Month	FYTD
Reservoir Management Fees (RMF)	\$345,301	\$3,696,263
Total operating costs	(\$828,181)	(\$9,910,304)
Sub Total - Items provided by BLM	\$334,836	\$3,990,162
Total - Cliffside Refiners, LP, GDA030001	(\$493,345)	(\$5,920,142)

### Conservation Helium - Natural Gas - Liquid Sales

(Charges Billed (\$))

	Month	FYTD
Open Market Sales	\$39,375,000	\$157,500,000
In Kind Sales	\$2,618,231	\$10,649,562
Natural Gas & Liquid Sales	\$1,325,398	\$14,951,308

### Helium Resources Evaluation

	Month	FYTD
Revenue Collected from Federal Lease Holds	\$18,582	\$10,422,593
Helium Sample Collection Report for month	Submitted - 0	Received - 0
		Analyzed - 7

\*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

September - 2011

		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>674,786</b>	<b>194,390,106</b>	<b>195,051</b>	<b>35,254,975</b>	<b>169,155</b>	<b>47,790,717</b>	<b>275,551</b>	<b>99,751,036</b>	<b>29,527</b>	<b>9,981,962</b>	<b>5,503</b>	<b>1,611,416</b>
BIVINS A-3	Sep-11	27,390	10,406,787	15,168	3,257,518	6,850	2,633,280	4,709	4,050,379	487	395,614	175	69,996
BIVINS A-6	Sep-11	72,000	9,075,766	48,334	5,358,273	17,520	2,227,714	5,167	1,327,261	468	126,582	511	35,937
BIVINS A-13	Sep-11	53,823	6,218,178	23,099	3,610,631	13,393	1,612,829	15,221	869,483	1,715	93,246	394	31,989
BIVINS A-14	Sep-11	59,758	6,816,674	29,801	4,406,024	14,885	1,735,895	13,186	581,244	1,420	60,359	466	33,152
BIVINS A-4	Sep-11	39,068	11,628,987	8,846	2,101,766	9,566	2,818,332	18,335	6,009,112	1,954	598,326	367	101,451
BUSH A-2	Sep-11	39,201	10,780,503	6,611	1,657,091	9,903	2,630,954	20,200	5,814,399	2,213	584,915	274	93,145
Injection	Sep-11	0	66,240,889	0	47,846,276	0	17,067,782	0	775,688	0	23	0	551,121
inj Bivins A-3	Sep-11	0	(25,652,315)	0	(18,384,452)	0	(6,554,549)	0	(332,777)	0	0	0	(380,537)
inj Bivins A-6	Sep-11	0	(24,201,365)	0	(17,514,139)	0	(6,437,517)	0	(138,222)	0	(12)	0	(111,475)
inj Bivins A-13	Sep-11	0	(6,490,417)	0	(4,706,191)	0	(1,656,853)	0	(122,391)	0	(2)	0	(4,980)
inj Bivins A-14	Sep-11	0	(6,501,333)	0	(4,767,421)	0	(1,602,106)	0	(126,303)	0	(7)	0	(5,497)
inj Bivins A-4	Sep-11	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Sep-11	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Sep-11	0	1,217,868	0	897,578	0	261,663	0	47,122	0	3,172	0	8,333
BIVINS A-1	Sep-11	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Sep-11	23,717	12,876,338	1,325	1,833,483	5,640	3,165,053	14,968	7,071,731	1,563	700,614	220	105,457
BIVINS A-5	Sep-11	43,440	14,441,516	10,080	1,731,234	11,089	3,525,753	19,782	8,236,335	2,157	821,781	331	126,413
BIVINS A-7	Sep-11	35,390	10,570,623	11,667	2,390,616	9,229	2,651,935	12,823	4,950,894	1,438	499,630	234	77,548
BIVINS A-9	Sep-11	16,978	9,312,853	353	174,954	4,385	2,277,534	10,944	6,155,455	1,161	618,795	134	86,115
BIVINS A-11	Sep-11	26,394	5,314,120	711	106,699	6,747	1,313,764	16,899	3,487,622	1,794	355,868	243	50,167
BIVINS A-15	Sep-11	19,597	8,232,953	358	402,665	4,620	1,964,838	13,052	5,258,397	1,337	524,288	230	82,765
BIVINS B-1	Sep-11	10,000	6,466,281	323	260,605	2,463	1,564,505	6,439	4,155,917	666	421,932	109	63,322
BIVINS B-2	Sep-11	22,500	5,172,743	428	97,191	5,742	1,288,618	14,442	3,373,295	1,520	345,266	370	68,372
BUSH A-1	Sep-11	0	5,721,962	0	104,140	0	1,356,677	0	3,830,281	0	374,216	0	56,647
BUSH A-3	Sep-11	35,308	10,379,997	15,687	2,214,769	9,062	2,553,377	9,228	5,018,195	1,041	502,184	291	91,472
BUSH A-4	Sep-11	32,865	7,506,831	6,457	1,414,254	8,433	1,871,396	16,038	3,783,258	1,740	382,456	197	55,466
BUSH A-5	Sep-11	45,000	14,214,890	13,559	3,117,811	11,512	3,558,185	17,722	6,758,750	1,950	678,943	258	101,202
BUSH A-8	Sep-11	15,000	3,405,795	277	62,363	3,713	819,177	9,769	2,257,735	1,014	226,453	227	40,067
BUSH A-9	Sep-11	11,784	3,662,632	498	94,584	2,996	880,361	7,425	2,414,478	798	239,948	67	33,260
BUSH A-11	Sep-11	24,012	3,979,568	782	117,903	5,790	951,374	15,537	2,601,918	1,606	263,618	298	44,755
BUSH B-1	Sep-11	0	3,187,346	0	59,866	0	756,041	0	2,130,735	0	209,449	0	31,254
FUQUA A-1	Sep-11	0	2,954,073	0	53,853	0	702,792	0	1,975,158	0	193,571	0	28,699
FUQUA A-2	Sep-11	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Sep-11	21,560	9,243,964	687	575,382	5,618	2,262,015	13,664	5,752,131	1,484	579,566	107	74,869
TT Fuel	Sep-11	0	0	0	0	0	0	0	0	0	0	0	0
field-wide pct's				28.91%	18.14%	25.07%	24.58%	40.84%	51.31%	4.38%	5.14%	0.82%	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 Sep-11 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 - 10	56.328	15.284
Injection 2003 - 10	(1.189)	(0.985)
Produced to Date 2011	5.684	1.624
Injected to Date 2011	0.000	0.000
Amount of Raw Gas Available to CHEU	119.742	====> 17.332 total helium in reservoir
Estimated Bottom Hole Pressure	440.865	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

September - 2011

## 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	Sep-11	682,266	59,539,554	196,731	15,250,977	170,875	14,949,141	279,375	26,060,206	29,740	2,776,907	5,545	502,323
Calculated Feed	Sep-11	674,786	59,212,050	195,051	15,245,278	169,155	14,868,290	275,551	25,836,668	29,527	2,761,805	5,503	500,010
Feed to Box	Sep-11	671,077	58,863,147	195,051	15,245,456	169,155	14,868,372	275,551	25,836,714	29,527	2,761,812	1,794	150,793
Cheu Product	Sep-11	244,170	19,140,623	194,802	15,041,848	43,036	3,593,957	4,580	371,480	0	393	1,751	132,945
Residue	Sep-11	289,022	26,017,862	0	1,476	7,544	653,118	256,450	23,062,738	25,028	2,299,300	0	1,231
Cold Box Vent	Sep-11	110,061	10,213,591	17	84,343	102,153	8,966,970	7,890	1,101,890	(0)	136	1	60,253
Flare/Boot Strap	Sep-11	110,061	1,275,015	17	45,422	102,153	726,584	7,890	404,277	(0)	93,495	1	5,237
Fuel From Cheu	Sep-11	7,530	821,335	0	245	251	24,569	6,097	666,015	1,182	130,506	0	0
Shrinkage/Loss	Sep-11	3,318	228,888	0	0	0	0	0	0	3,318	228,888	0	0
Unaccounted*	Sep-11	16,978	1,550,536	231	66,214	16,171	1,285,288	534	195,855	0	1,084	42	2,096

\*Before October 2004, the values are estimated

## Storage Operations

Inventory (contained helium)

	Government	Private
Beginning inventory	13,721,042	1,353,768
net acceptances +	0	0
redeliveries	0	(199,307)
In Kind Transfers	(64)	64
Open Market Sales	0	0
Gain/loss	10,319	
Ending Inventory	13,731,297	1,154,525
Total Helium in Reservoir	17,331,713	
Total Helium in Storage	14,885,822	
Helium in native gas	2,445,890	

Crude Helium Pipeline

	Gross	Net Helium	Percent
Beginning inventory	31,937	24,971	78.19%
Measured to Pipeline (Private Plants)	45,049	29,927	66.43%
Measured from Pipeline (Private Plant:	294,364	229,050	77.81%
HEU Production	244,170	194,802	79.78%
Injection	0	0	00.00%
Production	0	0	
Ending Inventory	39,827	30,969	77.76%
Gain/Loss	13,036	10,319	

## 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

September - 2011

	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>	18,719	3,056	30	16	6,147	13,102	41,071	40,436	\$2,618,231
<b>Total FYTD</b>	81,430	9,800	34	190	25,205	50,394	167,053	164,472	\$10,649,562
<b>Total CYTD</b>	63,885	7,841	34	162	15,819	38,076	125,816	123,871	\$8,020,647
<b>Cumulative</b>	1,627,070	85,906	264	270,545	372,487	446,472	2,802,745	2,759,301	\$151,139,507
<b>In Kind Transfers</b>							Month	FYTD	CYTD Cumulative
Transferred							64	164,868	122,022 2,716,730
Volume outstanding							42,646		

\* 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

September - 2011

## Helium &amp; Natural Gas Sales

Helium & Natural Gas Sales		Award Volume*	Outstanding*	Sales*	Charges Billed (\$) **	
Conservation Helium					(billed quarterly)	
<u>Air Liquide Helium America, Inc.</u>						
Month	0	(12,250)	12,250	\$918,750		
FYTD	187,250	0	187,250	\$14,043,750		
Cumulative	264,250		264,250	\$18,302,250		
<u>Air Products, L.P.</u>						
Month	0	(250,000)	250,000	\$18,750,000		
FYTD	940,000	0	940,000	\$70,500,000		
Cumulative	5,649,400		5,649,400	\$348,906,750		
<u>Linde Gas North America, LLC</u>						
Month	0	(187,750)	187,750	\$14,081,250		
FYTD	397,750	0	397,750	\$29,831,250		
Cumulative	4,321,750		4,321,750	\$255,535,000		
<u>Keyes Helium Co., LLC</u>						
Month	0	(25,000)	25,000	\$1,875,000		
FYTD	25,000	0	25,000	\$1,875,000		
Cumulative	703,200		703,200	\$42,052,400		
<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	(50,000)	50,000	\$3,750,000		
FYTD	550,000	0	550,000	\$41,250,000		
Cumulative	2,915,000		2,915,000	\$179,758,750		
<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	(525,000)	525,000	\$39,375,000		
Total FYTD	2,100,000	0	2,100,000	\$157,500,000		
Total CYTD	1,850,000		1,850,000	\$138,750,000		
Cumulative	14,063,600		14,063,600	\$856,177,650		
<b>Open Market Transfers</b>			Month	FYTD	CYTD	Cumulative
Transferred		0	2,670,000	1,500,000	13,538,600	
Volume outstanding		525,000				

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

## Natural Gas/Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	Avg Btu Value	Charges Billed (\$)***
<b><u>El Paso Natural Gas</u></b>					
Provides Measured Firm/Interruptible Transportation Services					(billed monthly)
Month	286,158	---	313,101	1,094	(\$27,997)
FYTD	3,197,165	---	3,500,360	1,095	(\$349,287)
Cumulative	25,468,718	---	28,000,381	1,099	(\$2,879,106)
<b><u>Minerals Management Service</u></b>					
Cumulative	---	---	---	---	(\$179,913)
<b><u>Tenaska</u></b>					
Purchaser - Natural Gas				\$/Unit	
Month	---	---	315,500	\$3.745135	\$1,181,590
FYTD	---	---	3,492,936	\$3.883730	\$13,562,479
Cumulative	---	---	27,830,549	\$5.425048	\$150,155,503
<b><u>Sandstone</u></b>					
Purchaser - Natural Gas Liquids					
Month	---	110,618	11,687	\$14.700507	\$171,805
FYTD	---	1,063,509	113,491	\$15.315011	\$1,738,116
Cumulative	---	7,019,797	749,504	\$12.120363	\$9,084,261
	Natural Gas (Mcf)***	NGLs (gal)	Purchased (Dth's)	\$/Per Unit (\$/Dth)	Total (\$)
<b>Total month</b>	286,158	110,618	327,187	\$4.050888	<b>\$1,325,398</b>
<b>Total FYTD</b>	3,197,165	1,063,509	3,606,427	\$4.146611	<b>\$14,951,308</b>
<b>Total CYTD</b>	2,353,164	804,269	2,651,857	\$4.284653	<b>\$11,362,287</b>
<b>Cumulative</b>	25,468,718	7,019,797	28,580,053	\$5.493597	<b>\$156,180,744</b>

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

\*\*Rounded to nearest dollar

## Table 6 - Helium Resources Evaluation

September - 2011

All Volumes in Mcf at 14.7 psia & 70°F

<b>Revenue Collected From Federal Leaseholds</b>	Month*	FYTD*
Fee Sales & Royalties	\$27,305	\$10,412,964
Natural Gas Royalties (1)	\$0	\$8,989
Natural Gas Rentals	\$0	\$640
Other	\$18,524	\$162,172
Revenue Collected from Federal Lease Holds	\$18,582	\$10,422,593

\*Totals do not sum

<b>Helium Analysis and Evaluation</b>	Month	FYTD
Number of Sample Request Letters Sent	0	2
Number of Samples Received	0	5
Number of Samples Analyzed	0	20
Total Number of Samples Analyzed For Resources Division	5	45
Total Number of Other Samples Analyzed (2)	7	215

### U. S. Helium Production

<i>Domestic</i>	FY Volume		CY Volume
2006 Helium Sold	4,995,800		4,944,544
2007 Helium Sold	4,995,600		4,965,176
2008 Helium Sold	4,771,200		4,668,286
2009 Helium Sold	4,325,600		4,238,415
2010 Helium Sold	4,556,100		5,399,709
Estimated Helium Resources as of 12/31/2006(Mcf)			732,000,000

	FY-2010	CY-2010
<b>U.S. Helium Exports</b> (3)	2,663,848	2,767,536

(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

September - 2011

All Volumes in Mcf at 14.65 psia &amp; 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	45,049	66.0%	29,743	412,110	292,162	29,916,053	31,520	45,657,426			
Crude Disposed	294,364	77.8%	229,050	2,551,197	1,887,952	42,895,727	31,456	30,044,509			
Grade-A Rdlvrd	0		0	0	0	1,478,718					\$9,574 Storage Fees
Net/Balance	(249,315)		(199,307)	(2,139,087)	(1,595,790)	(14,458,392)	64	15,612,917		1,154,525	\$345,301 RMF Fees
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						13,721,042					
Crude Disposed: In Kind Sales transferred for the month						(64)					
Open Market/Reserve Sell Down transferred for the month						0					
Gains and Losses for the month						10,319					
Net/Balance of Purchased Helium Remaining for Sale						13,731,297					

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

\*\*Rounded to nearest dollar



Table 8 - Compression & CHEU (Charges & Operations) September - 2011

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$3.75	\$3.90	\$5.49
Fuel used * (now includes field compression well head)	total MMBTU	9,221	109,030	1,157,948
Field Compression Fuel Cost *	\$dollars	\$0	\$4,639	\$654,398
CHEU Compression Fuel Cost *	\$dollars	\$20,869	\$243,352	\$3,404,485
CHEU Process Fuel Cost *	\$dollars	\$11,775	\$173,388	\$2,297,593
Rental compressor(s) fuel consumed (well head)	\$dollars	\$1,935	\$2,086	\$2,086
Rental Compressor(s) helium in fuel (Mcf x \$\$)	\$dollars	\$2,105	\$2,151	\$2,151
Rental compressor(s) helium in fuel (Mcf)	Mcf	28.07	28.68	28.68
#1 Compressor run time *	hours	719	7,520	67,374
#2 Compressor run time *	hours	386	6,677	47,048
#3 Compressor run time *	hours	336	2,887	32,407

\* Field/CHEU Compressor Operations based on Sep 11 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)	(\$706,592)	(\$8,410,489)
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	\$14,983	\$184,582	\$2,088,792
Net Total - Cliffside Refiners, LP	(\$43,501)	(\$522,009)	(\$6,321,697)

\* BLM provided fuel cost is based on Aug 11 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	720	100.0%	8,340	95.2%	70,013
Producing residue gas	720	100.0%	8,156	93.1%	69,249
Producing helium product	720	100.0%	8,138	92.9%	66,349
Producing natural gas liquids	720	100.0%	8,145	93.0%	64,884

CHEU Charges	Charges Billed (\$)*		
	Month	FYTD	Cumulative
Reservoir Management Fees (RMF)	\$345,301	\$3,696,263	\$20,027,000
Total operating costs	(\$828,181)	(\$9,910,304)	(\$86,997,034)
Labor	\$102,454	\$1,229,447	\$7,763,117
Compressor fuel cost Aug 11	\$21,128	\$270,393	\$3,434,431
HEU fuel cost Aug 11	\$12,269	\$184,387	\$2,330,645
Electrical power cost Jul 11	\$139,927	\$1,597,242	\$13,002,210
Other	\$59,058	\$708,693	\$8,577,053
Sub Total - Items provided by BLM	\$334,836	\$3,990,162	\$38,316,811
Total - Cliffside Refiners, LP, GDA030001	(\$493,345)	(\$5,920,142)	(\$48,680,223)

**\*Rounded to nearest dollar**

CHEU Utility Usage	Month	FYTD	Cumulative
CheU Fuel Gas (Mcf) usage Sep 11	2,716	39,298	371,335
CheU Pure Water Usage (gallons) Sep 11	186	10,633	243,485
Electricity Metered (Kwh) consumed Jul 11	2,732,202	32,041,502	232,342,322