

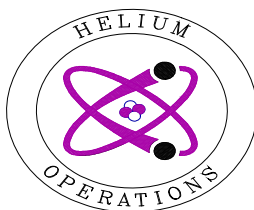
# Bureau of Land Management

## Amarillo Field Office

### Helium Operations



### Statistical Report for April - 2014



#### *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: David V. Reeves*

Issued: September 19, 2014

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

**Brent Gage (Acting)**

Date: **September 17, 2014**

## Table 1 - Summary of Helium Operations

April - 2014

### Helium Enrichment Unit Operations

#### Gas Processed

|                            | Month        |            |                 | Gross FYTD | Net FYTD |
|----------------------------|--------------|------------|-----------------|------------|----------|
|                            | Gross Volume | Net Helium | Average Percent |            |          |
| Measured Plant Feed (Mcf*) | 553,041      | 113,843    | 20.58%          | 3,965,420  | 859,277  |
| Helium Product (Mcf*)      | 147,695      | 111,903    | 75.77%          | 1,109,622  | 845,662  |
| Residue Natural Gas (Mcf*) | 269,539      | 6          | 0.00%           | 1,914,074  | 7        |

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

### Natural Gas & Liquids Produced

#### Gas Processed

|                             | Month   | FYTD      |
|-----------------------------|---------|-----------|
| Natural Gas Sales (Mcf****) | 269,551 | 1,940,291 |
| NGL Sales (gallons)         | 79,615  | 666,533   |

\*\*\* 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*)  | 553,144      | 112,722    | 20.38%          | 3,969,002  | 852,638  |
| Crude Injection (Mcf*)  | 0            | 0          | 00.00%          | 0          | 0        |
| Crude Production (Mcf*) | 0            | 0          | 00.00%          | 0          | 0        |

\* 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*)   |                    | 0         | 290,442 | 268,402 | 18,532,002 |
| Conservation Crude Sale Volume Transferred (Mcf*) | 0                  | 0         | 613,012 | 268,402 | 18,532,002 |
| Conservation Helium in Storage (EOM) (Mcf*)       |                    | 8,314,123 |         |         |            |

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

#### In Kind Helium

|                                 | Month  | FYTD   | CYTD   | Cumulative |
|---------------------------------|--------|--------|--------|------------|
| Sale Volumes Transferred (Mcf*) | 1,001  | 62,455 | 32,413 | 3,078,898  |
| Sale Volumes Outstanding (Mcf*) | 27,595 |        |        |            |

\* 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*)                        | 45,984       | 29,932     | 65.09%          | 233,716            |
| Crude Disposed (Mcf*)                        | 182,925      | 133,753    | 73.12%          | 1,063,414          |
| Net Balance (Mcf*)                           | (136,941)    | (103,821)  |                 | (829,698)          |
| Balance of Stored Helium End Of Month (Mcf*) |              | 1,689,312  |                 |                    |

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

### Revenue / Charges

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

|                                       | Month     | FYTD        |
|---------------------------------------|-----------|-------------|
| Storage Fees Billed (\$)              | \$294,696 | \$1,757,124 |
| Reservoir Management Fees Billed (\$) | \$178,494 | \$1,425,639 |

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

|  | Month      | FYTD        |
|--|------------|-------------|
| Funded by the Refiners (provides for booster compression services)                               | (\$60,945) | (\$426,613) |
| Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.) | \$16,364   | \$114,551   |
| Net-Total (Funded by the Refiners for compression costs.)  | (\$44,580) | (\$312,062) |

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

|   | Month       | FYTD          |
|---|-------------|---------------|
| Reservoir Management Fees (RMF)           | \$178,494   | \$1,425,639   |
| Total operating costs                     | (\$896,423) | (\$6,335,643) |
| Sub Total - Items provided by BLM         | \$394,564   | \$2,822,630   |
| Total - Cliffside Refiners, LP, GDA030001 | (\$501,859) | (\$3,513,013) |

### Conservation Helium - Natural Gas - Liquid Sales

(Charges Billed (\$))

|                                 | Month       | FYTD         |
|---------------------------------|-------------|--------------|
| Conservation Crude Helium Sales | \$0         | \$27,305,550 |
| In Kind Sales                   | \$0         | \$4,050,756  |
| Natural Gas & Liquid Sales      | \$1,224,025 | \$10,185,888 |

### Helium Resources Evaluation

|  | Month         | FYTD         |
|--|---------------|--------------|
| Revenue Collected from Federal Lease Holds | \$1,244,297   | \$8,679,825  |
| Helium Sample Collection Report for month  | Submitted - 0 | Received - 0 |
|  | Analyzed - 17 |              |

\*Rounded to nearest dollar

Table 2 - Bush Dome Reservoir Operations

April - 2014

|                 |        | 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>553,144</b>   | <b>213,961,590</b> | <b>112,722</b>        | <b>40,162,841</b> | <b>138,392</b> | <b>52,692,514</b> | <b>268,006</b> | <b>108,408,292</b> | <b>28,982</b> | <b>10,917,413</b> | <b>5,043</b>        | <b>1,780,530</b> |
| BIVINS A-3      | Apr-14 | 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      | Apr-14 | 46,963           | 10,936,513         | 25,594                | 6,502,180         | 11,947         | 2,688,439         | 8,213          | 1,543,758          | 861           | 152,430           | 348                 | 49,706           |
| BIVINS A-13     | Apr-14 | 55,792           | 7,785,536          | 19,947                | 4,214,684         | 14,072         | 2,005,608         | 19,107         | 1,370,812          | 2,242         | 150,744           | 424                 | 43,688           |
| BIVINS A-14     | Apr-14 | 51,162           | 8,620,203          | 18,828                | 5,184,627         | 12,895         | 2,188,133         | 17,070         | 1,083,807          | 1,929         | 115,712           | 440                 | 47,925           |
| BIVINS A-4      | Apr-14 | 29,673           | 12,760,951         | 3,932                 | 2,302,596         | 7,126          | 3,093,187         | 16,557         | 6,592,407          | 1,753         | 660,247           | 305                 | 112,515          |
| BUSH A-2        | Apr-14 | 43,073           | 12,214,451         | 5,080                 | 1,851,917         | 10,772         | 2,989,969         | 24,208         | 6,597,532          | 2,711         | 671,622           | 302                 | 103,411          |
| Injection       | Apr-14 | 0                | 66,240,889         | 0                     | 47,846,276        | 0              | 17,067,782        | 0              | 775,688            | 0             | 23                | 0                   | 551,121          |
| inj Bivins A-3  | Apr-14 | 0                | (25,652,315)       | 0                     | (18,384,452)      | 0              | (6,554,549)       | 0              | (332,777)          | 0             | 0                 | 0                   | (380,537)        |
| inj Bivins A-6  | Apr-14 | 0                | (24,201,365)       | 0                     | (17,514,139)      | 0              | (6,437,517)       | 0              | (138,222)          | 0             | (12)              | 0                   | (111,475)        |
| inj Bivins A-13 | Apr-14 | 0                | (6,490,417)        | 0                     | (4,706,191)       | 0              | (1,656,853)       | 0              | (122,391)          | 0             | (2)               | 0                   | (4,980)          |
| inj Bivins A-14 | Apr-14 | 0                | (6,501,333)        | 0                     | (4,767,421)       | 0              | (1,602,106)       | 0              | (126,303)          | 0             | (7)               | 0                   | (5,497)          |
| inj Bivins A-4  | Apr-14 | 0                | (2,527,801)        | 0                     | (1,848,815)       | 0              | (601,353)         | 0              | (42,016)           | 0             | 0                 | 0                   | (35,617)         |
| inj Bush A-2    | Apr-14 | 0                | (867,658)          | 0                     | (625,258)         | 0              | (215,406)         | 0              | (13,980)           | 0             | 0                 | 0                   | (13,015)         |
| Production      | Apr-14 | 0                | 1,217,868          | 0                     | 897,578           | 0              | 261,663           | 0              | 47,122             | 0             | 3,172             | 0                   | 8,333            |
| BIVINS A-1      | Apr-14 | 0                | 2,686,608          | 0                     | 48,896            | 0              | 636,995           | 0              | 1,798,415          | 0             | 175,704           | 0                   | 26,597           |
| BIVINS A-2      | Apr-14 | 19,500           | 13,589,490         | 718                   | 1,866,227         | 4,536          | 3,333,488         | 12,710         | 7,528,978          | 1,343         | 748,494           | 193                 | 112,302          |
| BIVINS A-5      | Apr-14 | 26,830           | 15,538,851         | 4,727                 | 1,953,669         | 6,809          | 3,805,169         | 13,602         | 8,765,767          | 1,485         | 879,396           | 207                 | 134,851          |
| BIVINS A-7      | Apr-14 | 20,906           | 11,434,221         | 6,553                 | 2,669,184         | 5,420          | 2,876,535         | 7,899          | 5,269,761          | 894           | 535,443           | 140                 | 83,298           |
| BIVINS A-9      | Apr-14 | 18,801           | 9,876,159          | 399                   | 186,772           | 4,869          | 2,423,428         | 12,105         | 6,518,185          | 1,277         | 657,159           | 152                 | 90,615           |
| BIVINS A-11     | Apr-14 | 21,096           | 6,091,316          | 617                   | 128,593           | 5,401          | 1,512,906         | 13,451         | 3,983,859          | 1,429         | 408,589           | 197                 | 57,369           |
| BIVINS A-15     | Apr-14 | 32,018           | 9,086,975          | 559                   | 417,790           | 7,561          | 2,166,636         | 21,336         | 5,827,215          | 2,182         | 582,503           | 381                 | 92,831           |
| BIVINS B-1      | Apr-14 | 36,190           | 7,308,510          | 866                   | 283,392           | 8,827          | 1,770,571         | 23,619         | 4,703,287          | 2,470         | 478,835           | 409                 | 72,424           |
| BIVINS B-2      | Apr-14 | 29,009           | 6,075,326          | 552                   | 114,372           | 7,414          | 1,519,595         | 18,599         | 3,951,912          | 1,952         | 406,013           | 493                 | 83,434           |
| BUSH A-1        | Apr-14 | 0                | 5,721,962          | 0                     | 104,140           | 0              | 1,356,677         | 0              | 3,830,281          | 0             | 374,216           | 0                   | 56,647           |
| BUSH A-3        | Apr-14 | 26,744           | 11,527,604         | 8,958                 | 2,663,886         | 6,784          | 2,846,457         | 9,698          | 5,374,029          | 1,081         | 542,242           | 222                 | 100,990          |
| BUSH A-4        | Apr-14 | 18,359           | 8,267,886          | 2,253                 | 1,539,526         | 4,676          | 2,066,021         | 10,212         | 4,177,263          | 1,113         | 425,081           | 105                 | 59,995           |
| BUSH A-5        | Apr-14 | 42,841           | 15,755,296         | 12,473                | 3,583,139         | 10,900         | 3,951,175         | 17,286         | 7,364,071          | 1,929         | 746,587           | 253                 | 110,324          |
| BUSH A-8        | Apr-14 | 20,712           | 3,872,814          | 384                   | 70,885            | 5,157          | 935,497           | 13,450         | 2,561,847          | 1,397         | 257,471           | 325                 | 47,114           |
| BUSH A-9        | Apr-14 | 0                | 3,860,915          | 0                     | 105,037           | 0              | 930,915           | 0              | 2,537,187          | 0             | 253,463           | 0                   | 34,312           |
| BUSH A-11       | Apr-14 | 5,963            | 4,368,102          | 141                   | 128,773           | 1,425          | 1,044,683         | 3,912          | 2,855,146          | 405           | 289,753           | 80                  | 49,747           |
| BUSH B-1        | Apr-14 | 7,511            | 3,230,703          | 140                   | 60,666            | 1,801          | 766,487           | 4,972          | 2,159,421          | 530           | 212,500           | 68                  | 31,629           |
| FUQUA A-1       | Apr-14 | 0                | 2,954,098          | 0                     | 53,854            | 0              | 702,798           | 0              | 1,975,175          | 0             | 193,573           | 0                   | 28,699           |
| FUQUA A-2       | Apr-14 | 0                | 132,119            | 0                     | 2,404             | 0              | 31,322            | 0              | 88,458             | 0             | 8,637             | 0                   | 1,297            |
| FUQUA A-3       | Apr-14 | 0                | 9,303,868          | 0                     | 577,004           | 0              | 2,277,677         | 0              | 5,790,333          | 0             | 583,698           | 0                   | 75,155           |
| TT Fuel         | Apr-14 | 53               | 0                  | 1                     | 0                 | 13             | 0                 | 35             | 0                  | 4             | 0                 | 0                   | 0                |
| field-wide pcts |        |                  |                    | 20.38%                | 18.77%            | 25.02%         | 24.63%            | 48.45%         | 50.67%             | 5.24%         | 5.10%             | 0.91%               | 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 Apr-14

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 - 13                | 79.431  | 21.371                                  |
| Injection 2003 - 13                 | (1.189) | (0.985)                                 |
| Produced to Date 2014               | 2.151   | 0.444                                   |
| Injected to Date 2014               | 0.000   | 0.000                                   |
| Amount of Raw Gas Available to CHEU | 100.171 | =====> 12.424 total helium in reservoir |
| Estimated Bottom Hole Pressure      | 368.866 | 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

April - 2014

## 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    | Apr-14 | 553,041          | 79,156,379 | 113,843               | 20,194,071 | 137,900  | 19,861,067 | 267,633 | 34,729,359 | 28,636      | 3,700,797  | 5,029               | 671,085    |
| Calculated Feed  | Apr-14 | 553,201          | 78,776,450 | 112,723               | 20,155,494 | 138,404  | 19,768,148 | 268,041 | 34,487,184 | 28,988      | 3,696,510  | 5,045               | 669,113    |
| Feed to Box      | Apr-14 | 549,195          | 78,303,940 | 112,723               | 20,155,673 | 138,404  | 19,768,230 | 268,041 | 34,487,230 | 28,986      | 3,696,515  | 1,042               | 196,292    |
| Cheu Product     | Apr-14 | 147,695          | 25,383,954 | 111,903               | 19,918,999 | 31,790   | 4,794,060  | 2,986   | 493,438    | 3           | 420        | 1,015               | 177,038    |
| Residue          | Apr-14 | 269,539          | 34,860,581 | 6                     | 1,552      | 6,194    | 866,165    | 239,899 | 30,929,376 | 23,440      | 3,062,249  | 0                   | 1,238      |
| Cold Box Vent    | Apr-14 | 91,021           | 13,393,967 | 64                    | 87,259     | 82,299   | 11,887,080 | 8,644   | 1,358,670  | 0           | 135        | 14                  | 60,823     |
| Flare/Boot Strap | Apr-14 | 91,021           | 3,910,215  | 64                    | 48,038     | 82,299   | 3,142,082  | 8,644   | 620,839    | 0           | 93,600     | 14                  | 5,656      |
| Fuel From Cheu   | Apr-14 | 7,673            | 1,055,581  | 3                     | 283        | 209      | 31,659     | 6,191   | 856,950    | 1,269       | 166,688    | 0                   | 0          |
| Shrinkage/Loss   | Apr-14 | 3,802            | 357,690    | 0                     | 0          | 0        | 0          | 0       | 0          | 3,802       | 357,690    | 0                   | 0          |
| Unaccounted*     | Apr-14 | 21,231           | 2,251,574  | 735                   | 90,633     | 15,321   | 1,809,001  | 5,162   | 348,015    | (0)         | 1,085      | 13                  | 2,841      |

\*Before October 2004, the values are estimated

## Storage Operations

Inventory (contained helium)

|                           | Government | Private   |
|---------------------------|------------|-----------|
| Beginning inventory       | 8,317,543  | 1,792,132 |
| net acceptances +         | 0          | 0         |
| redeliveries              | 0          | (103,821) |
| In Kind Transfers         | (1,001)    | 1,001     |
| Conservation Crude Sales  | 0          | 0         |
| Gain/loss                 | (2,420)    |           |
| Ending Inventory          | 8,314,123  | 1,689,312 |
| Total Helium in Reservoir | 12,423,855 |           |
| Total Helium in Storage   | 10,003,435 |           |
| Helium in native gas      | 2,420,421  |           |

Crude Helium Pipeline

|  | Gross   | Net Helium | Percent |
|--|---------|------------|---------|
| Beginning inventory                    | 32,379  | 23,626     | 72.96%  |
| Measured to Pipeline (Private Plants)  | 45,984  | 30,040     | 65.33%  |
| Measured from Pipeline (Private Plant: | 182,925 | 133,757    | 73.12%  |
| HEU Production                         | 147,695 | 111,903    | 75.77%  |
| Injection                              | 0       | 0          | 00.00%  |
| Production                             | 0       | 0          |         |
| Ending Inventory                       | 40,149  | 29,392     | 73.21%  |
| Gain/Loss                              | (2,985) | (2,420)    |         |

## 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

April - 2014

|  | 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>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>Global Gases America, Contract no. INC13-0116</b>                 |           |         |       |            |         |            |           |           |                        |
| Month  |           |         |       |            |         |            |           |           |                        |
| FYTD   |           |         |       |            |         |            |           |           |                        |
| <b>Total month</b>   | 0         | 0       | 0     | 0          | 0       | 0          | 0         | 0         | \$0                    |
| <b>Total FYTD</b>  | 21,165    | 1,958   | 41    | 33         | 4,616   | 32,406     | 60,217    | 59,293    | \$4,050,756            |
| <b>Total CYTD</b>  | 8,796     | 5       | 4     | 19         | 125     | 18,393     | 27,343    | 26,924    | \$1,857,722            |
| <b>Cumulative</b>  | 1,746,711 | 108,640 | 448   | 271,570    | 421,558 | 606,372    | 3,155,298 | 3,106,418 | \$174,228,056          |
| <b>In Kind Transfers</b>   |           |         |       |            |         |            | Month     | FYTD      | CYTD Cumulative        |
| Transferred  |           |         |       |            |         |            | 1,001     | 62,455    | 32,413 3,078,898       |
| Volume outstanding   |           |         |       |            |         |            | 27,595    |           |                        |

\* 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 - Conservation Crude Sales/Reserve Sell-down

April - 2014

## Helium &amp; Natural Gas Sales

|   | Award Volume* | Outstanding* | Sales*     | Charges Billed (\$)** |                        |
|---|---------------|--------------|------------|-----------------------|------------------------|
| <b>Conservation Helium</b>                        |               |              |            | (billed quarterly)    |                        |
| <b><u>Air Liquide Helium America, Inc.</u></b>    |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 10,667        | 5,333        | 5,334      |                       | \$506,730              |
| Cumulative  | 281,217       |              | 275,884    |                       | \$19,338,180           |
| <b><u>Air Products, L.P.</u></b>                  |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 129,600       | 64,800       | 64,800     |                       | \$6,156,000            |
| Cumulative  | 7,178,995     |              | 7,114,195  |                       | \$467,209,039          |
| <b><u>Linde Gas North America, LLC</u></b>        |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 93,600        | 46,800       | 46,800     |                       | \$4,446,000            |
| Cumulative  | 5,559,310     |              | 5,512,510  |                       | \$351,104,088          |
| <b><u>Keyes Helium Co., LLC</u></b>               |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 14,400        | 0            | 40,440     |                       | \$3,555,360            |
| Cumulative  | 905,140       |              | 905,140    |                       | \$58,511,863           |
| <b><u>Matheson Tri-Gas, Inc.</u></b>              |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 8,000         | 0            | 0          |                       | \$0                    |
| Cumulative  | 18,000        |              | 14,000     |                       | \$967,500              |
| <b><u>Praxair, Inc.</u></b>                       |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 122,400       | 0            | 122,400    |                       | \$11,628,000           |
| Cumulative  | 4,493,305     |              | 4,493,305  |                       | \$307,442,511          |
| <b><u>Linde Gas, LLC discontinued 10 2008</u></b> |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 0             | 0            | 0          |                       | \$0                    |
| Cumulative  | 200,000       |              | 200,000    |                       | \$11,035,000           |
| <b><u>Global Gases America</u></b>                |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 10,667        | 5,333        | 5,334      |                       | \$506,730              |
| Cumulative  | 16,967        |              | 11,634     |                       | \$1,035,930            |
| <b><u>Airgas Merchant Gases</u></b>               |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 10,667        | 5,333        | 5,334      |                       | \$506,730              |
| Cumulative  | 10,667        |              | 5,334      |                       | \$506,730              |
| <b><u>Pioneer Natural Resources USA, Inc</u></b>  |               |              |            |                       |                        |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 0             | 0            | 0          |                       | \$0                    |
| Cumulative  | 0             |              | 0          |                       | \$0                    |
| Month   | 0             | 0            | 0          |                       | \$0                    |
| FYTD  | 0             | 0            | 0          |                       | \$0                    |
| Cumulative  | 0             |              | 0          |                       | \$0                    |
| <b>Total month</b>                                | 0             | 0            | 0          |                       | <b>\$0</b>             |
| <b>Total FYTD</b>                                 | 400,001       | 127,599      | 290,442    |                       | <b>\$27,305,550</b>    |
| <b>Total CYTD</b>                                 | 400,001       |              | 268,402    |                       | <b>\$25,498,190</b>    |
| <b>Cumulative</b>                                 | 18,663,601    |              | 18,532,002 |                       | <b>\$1,217,150,840</b> |
| <b>Conservation Crude Transfers</b>               |               | Month        | FYTD       | CYTD                  | Cumulative             |
| Transferred                                       |               | 0            | 613,012    | 268,402               | 18,532,002             |
| Volume outstanding                                |               | 0            |            |                       |                        |

\* 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                                     | 269,551              | ---  | 294,582           | 1,093                    | (\$27,997)            |
| FYTD                                      | 1,940,291            | ---  | 2,128,015         | 1,097                    | (\$195,979)           |
| Cumulative                                | 34,247,980           | ---  | 37,620,142        | 1,098                    | (\$3,770,577)         |
| <b><u>Minerals Management Service</u></b> |                      | No Longer Provides Natural Gas Marketing Services            |                   |                          |                       |
| Cumulative                                | ---                  | ---  | ---               | ---                      | (\$179,913)           |
| <b><u>Tenaska</u></b>                     |                      | Purchaser - Natural Gas                                      |                   |                          |                       |
| Month                                     | ---                  | ---  | 270,000           | \$4.191667               | \$1,131,750           |
| FYTD                                      | ---                  | ---  | 2,069,200         | \$4.561352               | \$9,438,349           |
| Cumulative                                | ---                  | ---  | 37,301,096        | \$4.883644               | \$181,338,735         |
| <b><u>Sandstone</u></b>                   |                      | Purchaser - Natural Gas Liquids                              |                   |                          |                       |
| Month                                     | ---                  | 79,615   | 8,555             | \$14.058624              | \$120,272             |
| FYTD                                      | ---                  | 666,533  | 70,863            | \$13.314685              | \$943,519             |
| Cumulative                                | ---                  | 10,216,111   | 1,089,534         | \$12.454230              | \$13,569,307          |
|   | Natural Gas (Mcf)*** | NGLs (gal)   | Purchased (Dth's) | \$\$ Per Unit (\$\$/Dth) | Total (\$\$)          |
| <b>Total month</b>                        | 269,551              | 79,615   | 278,555           | \$4.394193               | <b>\$1,224,025</b>    |
| <b>Total FYTD</b>                         | 1,940,291            | 666,533  | 2,140,063         | \$4.759621               | <b>\$10,185,888</b>   |
| <b>Total CYTD</b>                         | 1,082,330            | 351,898  | 1,162,790         | \$5.506632               | <b>\$6,403,057</b>    |
| <b>Cumulative</b>                         | 34,247,980           | 10,216,111   | 38,390,630        | \$4.995597               | <b>\$190,957,551</b>  |

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

\*\*Rounded to nearest dollar

## Table 6 - Helium Resources Evaluation

April - 2014

All Volumes in Mcf at 14.7 psia & 70°F

| <b>Revenue Collected From Federal Leaseholds</b> | Month*      | FYTD*       |
|--|-------------|-------------|
| Fee Sales & Royalties                            | \$1,241,778 | \$8,652,403 |
| Natural Gas Royalties (1)                        | \$0         | \$0         |
| Natural Gas Rentals                              | \$0         | \$0         |
| Other  | \$27,422    | \$192,294   |
| Revenue Collected from Federal Lease Holds       | \$1,244,297 | \$8,679,825 |

\*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     | 0    |
| Total Number of Samples Analyzed For Resources Division | 0     | 22   |
| Total Number of Other Samples Analyzed (2)              | 17    | 126  |

### U. S. Helium Production

| <i>Domestic</i>                                   | FY Volume |  | CY Volume   |
|---|-----------|--|-------------|
| 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                                  | 4,559,100 |  | 4,644,278   |
| 2011 Helium Sold                                  | 4,691,100 |  | 4,768,537   |
| Estimated Helium Resources as of 12/31/2006 (Mcf) |           |  | 732,000,000 |

|                                | FY-2011   | CY-2011   |
|--------------------------------|-----------|-----------|
| <b>U.S. Helium Exports</b> (3) | 2,966,225 | 3,027,731 |

(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

April - 2014

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   | 45,984      | 65.1%    | 29,932    | 233,716   | 133,891   | 30,936,384   | 55,473          | 52,177,859 |                   |                       |                        |
| Crude Disposed   | 182,925     | 73.1%    | 133,753   | 1,063,414 | 559,707   | 48,736,841   | 54,472          | 31,209,372 |                   |                       | \$294,696 Storage Fees |
| Grade-A Rdlvrd   | 0           |          | 0         | 0         | 0         | 1,478,718    |                 |            |                   |                       | \$178,494 RMF Fees     |
| Net/Balance  | (136,941)   |          | (103,821) | (829,698) | (425,816) | (19,279,175) | 1,001           | 20,968,487 | 1,689,312         | \$473,190             | \$3,182,764            |
| 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  |             |          |           |           |           |              |                 |            |                   |                       |                        |
| Global Gases America, Contract no. 2013-3293               |             |          |           |           |           |              |                 |            |                   |                       |                        |
| Crude Acquired   |             |          |           |           |           |              |                 |            |                   |                       |                        |
| Crude Disposed   |             |          |           |           |           |              |                 |            |                   |                       |                        |
| Net/Balance  |             |          |           |           |           |              |                 |            |                   |                       |                        |

## Government Helium

|  |           |
|--|-----------|
| Remaining Crude Acquired beginning of the month                | 8,317,543 |
| Crude Disposed: In Kind Sales transferred for the month        | (1,001)   |
| Conservation Crude Sales/Reserve Sell Down transferred (month) | 0         |
| Gains and Losses for the month                                 | (2,420)   |
| Net/Balance of Purchased Helium Remaining for Sale             | 8,314,123 |

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

\*\*Rounded to nearest dollar

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

April - 2014

| Field/CHEU Compressor Operations                       |              | Month    | FYTD      | Cumulative  |
|--|--------------|----------|-----------|-------------|
| Spot gas fuel price *                                  | \$ per/MMBTU | \$4.20   | \$5.32    | \$5.17      |
| Fuel used * (now includes field compression well head) | total MMBTU  | 10,624   | 71,593    | 1,483,547   |
| Field Compression Fuel Cost *                          | \$dollars    | \$0      | \$0       | \$654,398   |
| CHEU Compression Fuel Cost *                           | \$dollars    | \$22,743 | \$156,010 | \$3,931,547 |
| CHEU Process Fuel Cost *                               | \$dollars    | \$14,692 | \$110,997 | \$2,643,137 |
| Rental compressor(s) fuel consumed (well head)         | \$dollars    | \$7,186  | \$59,307  | \$185,657   |
| Rental Compressor(s) helium in fuel (Mcf x \$\$)       | \$dollars    | \$4,465  | \$54,715  | \$250,505   |
| Rental compressor(s) helium in fuel (Mcf)              | Mcf          | 47       | 613       | 3019        |
| #1 Compressor run time *                               | hours        | 694      | 4,905     | 87,164      |
| #2 Compressor run time *                               | hours        | 60       | 1,560     | 53,587      |
| #3 Compressor run time *                               | hours        | 670      | 3,429     | 50,103      |

\* Field/CHEU Compressor Operations based on Apr 14 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)      | (\$60,945)           | (\$426,613) | (\$10,222,907) |
| Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.) | \$16,364             | \$114,551   | \$2,551,374    |
| Net Total - Cliffside Refiners, LP   | (\$44,580)           | (\$312,062) | (\$7,671,532)  |

\* BLM provided fuel cost is based on Mar 14 fuel consumed

**\*Rounded to nearest dollar**

| Crude Helium Enrichment Unit (CHEU)<br>CHEU Runtime | Month       |         | FYTD        |         | Cumulative  |
|---|-------------|---------|-------------|---------|-------------|
|   | Runtime Hrs | Percent | Runtime Hrs | Percent | Runtime Hrs |
| Processing feed gas                                 | 797         | 110.8%  | 4,973       | 97.7%   | 92,260      |
| Producing residue gas                               | 764         | 106.2%  | 4,940       | 97.1%   | 91,263      |
| Producing helium product                            | 769         | 106.7%  | 4,944       | 97.2%   | 88,323      |
| Producing natural gas liquids                       | 762         | 105.8%  | 4,918       | 96.7%   | 86,822      |

| CHEU Charges                              | Charges Billed (\$)* |               |                 |
|---|----------------------|---------------|-----------------|
|   | Month                | FYTD          | Cumulative      |
| Reservoir Management Fees (RMF)           | \$178,494            | \$1,425,639   | \$26,741,043    |
| Total operating costs                     | (\$896,423)          | (\$6,335,643) | (\$113,353,340) |
| Labor                                     | \$133,564            | \$934,945     | \$11,186,268    |
| Compressor fuel cost Mar 14               | \$23,784             | \$144,551     | \$3,953,957     |
| HEU fuel cost Mar 14                      | \$16,475             | \$102,827     | \$2,668,972     |
| Electrical power cost Mar 14              | \$133,967            | \$1,014,505   | \$17,028,937    |
| Other                                     | \$86,774             | \$625,802     | \$11,157,697    |
| Sub Total - Items provided by BLM         | \$394,564            | \$2,822,630   | \$49,205,185    |
| Total - Cliffside Refiners, LP, GDA030001 | (\$501,859)          | (\$3,513,013) | (\$64,148,154)  |

**\*Rounded to nearest dollar**

| CHEU Utility Usage                        | Month     | FYTD       | Cumulative |
|---|-----------|------------|------------|
| CheU Fuel Gas (Mcf) usage Apr 14          | 3,034     | 21,074     | 464,383    |
| CheU Pure Water Usage (gallons) Apr 14    | 1,171     | 7,797      | 275,160    |
| Electricity Metered (Kwh) consumed Mar 14 | 2,754,867 | 19,700,008 | 53,254,701 |