

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.  
30-015-34666  
5. Indicate Type of Lease  
STATE ☐ FEE ☒  
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
EOG Resources, Inc.

3. Address of Operator  
P.O. Box 2267 Midland, Texas 79702

4. Well Location

Unit Letter: \_O: 660 feet from the South line and 1,880 feet from the East line

Section 8 Township 16S Range 25E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3519'

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type: Ground Depth to Groundwater: 75' Distance from nearest fresh water well: >1,000' Distance from nearest surface water: >1,000'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 10,300 bbls; Construction Material: Synthetic

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Change surface location and bottom-hole ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources, Inc. (EOG) has elected to change the surface location and subsequent bottom-hole as described by the revised C-102 attached herewith.

Additionally, please find revised Casing Program, Cement Program, Mud Program and Planning Report.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines X, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Donny G. Glanton TITLE: Agent

DATE: 6/8/2006

Type or print name: Donny G. Glanton E-mail address: donny\_glanton@eogresources.com Telephone No. (432) 686-3642

For State Use Only

BRYAN G. ARRAÑT  
DISTRICT II GEOLOGIST

JUN 16 2006

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

Conditions of Approval (if any):

District I  
1625 N. French Dr., Hobbs, NM 88240  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED  
JUN 12 2006

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease-4 Copies  
Fee Lease-3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |                                            |                                                     |
|-----------------------------------|--------------------------------------------|-----------------------------------------------------|
| API Number<br><b>30-015-34666</b> | Pool Code<br><b>75260</b>                  | Pool Name<br><b>Cottonwood Creek; WC West (Gas)</b> |
| Property Code                     | Property Name<br><b>FRIO B 8 FEE</b>       | Well Number<br><b>1H</b>                            |
| OGRID No.<br><b>7377</b>          | Operator Name<br><b>EOG RESOURCES INC.</b> | Elevation<br><b>3519'</b>                           |

Surface Location

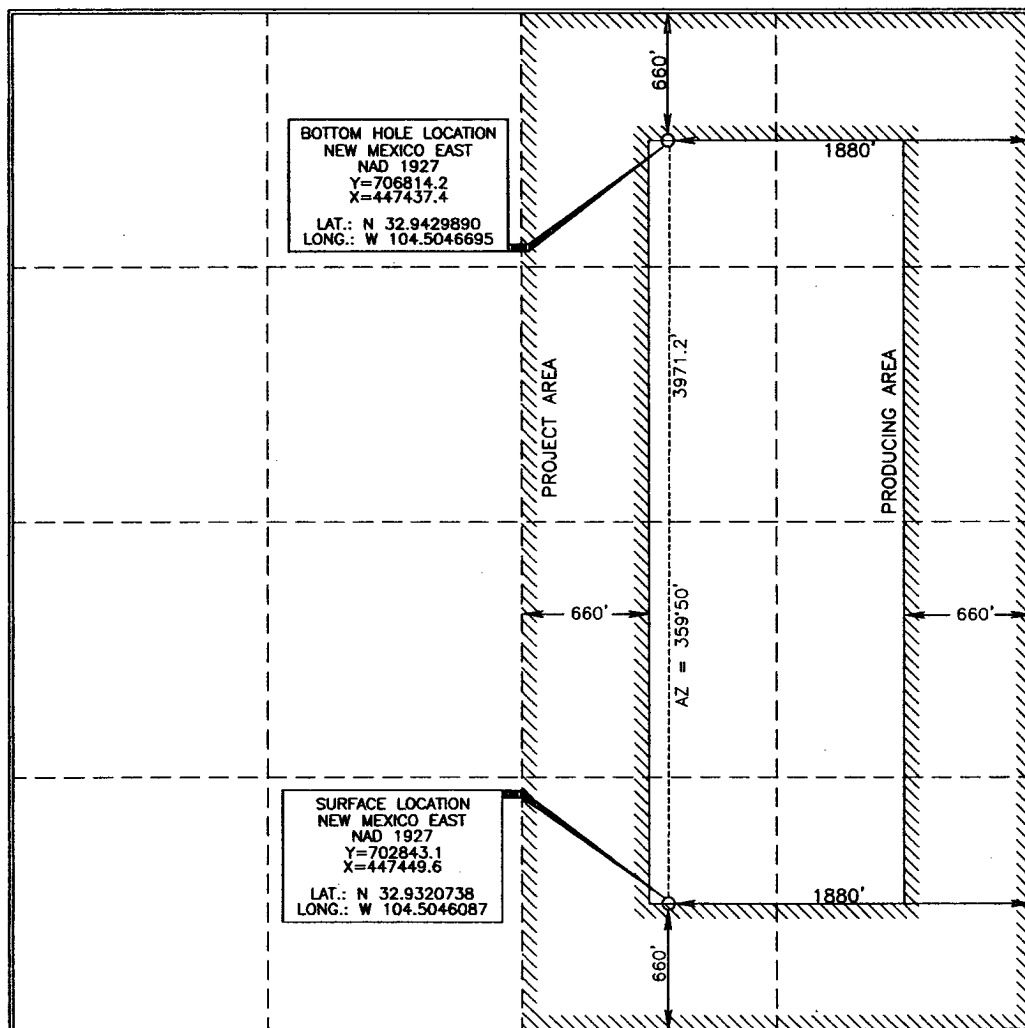
| UL or lot no. | Section  | Township        | Range                    | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-----------------|--------------------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>0</b>      | <b>8</b> | <b>16 SOUTH</b> | <b>25 EAST, N.M.P.M.</b> |         | <b>660</b>    | <b>SOUTH</b>     | <b>1880</b>   | <b>EAST</b>    | <b>EDDY</b> |

Bottom Hole Location If Different From Surface

| UL or lot no. | Section  | Township        | Range                    | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-----------------|--------------------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>B</b>      | <b>8</b> | <b>16 SOUTH</b> | <b>25 EAST, N.M.P.M.</b> |         | <b>660</b>    | <b>NORTH</b>     | <b>1880</b>   | <b>EAST</b>    | <b>EDDY</b> |

|                               |                 |                    |           |
|-------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br><b>320</b> | Joint or Infill | Consolidation Code | Order No. |
|-------------------------------|-----------------|--------------------|-----------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Donny G. Glanton* 6/8/06  
Signature Date

*Donny G. Glanton*  
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

*Terry J. Hart*  
Date of Survey  
Signature and Seal of Professional Surveyor

*Terry J. Hart*  
Certificate Number 15079

WO# 060603WL-c (LA)

District I  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease- 4 Copies  
Fee Lease- 3 Copies  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |                                             |                                                      |
|-----------------------------------|---------------------------------------------|------------------------------------------------------|
| API Number<br><b>30-015-34666</b> | Pool Code<br><b>75260</b>                   | Pool Name<br><b>Cottonwood Creek; WC, West (Gas)</b> |
| Property Code                     | Property Name<br><b>FRIO B 8 FEE</b>        | Well Number<br><b>1H</b>                             |
| OCRD No.<br><b>7377</b>           | Operator Name<br><b>EOG RESOURCES, Inc.</b> | Elevation<br><b>3507.7'</b>                          |

Surface Location

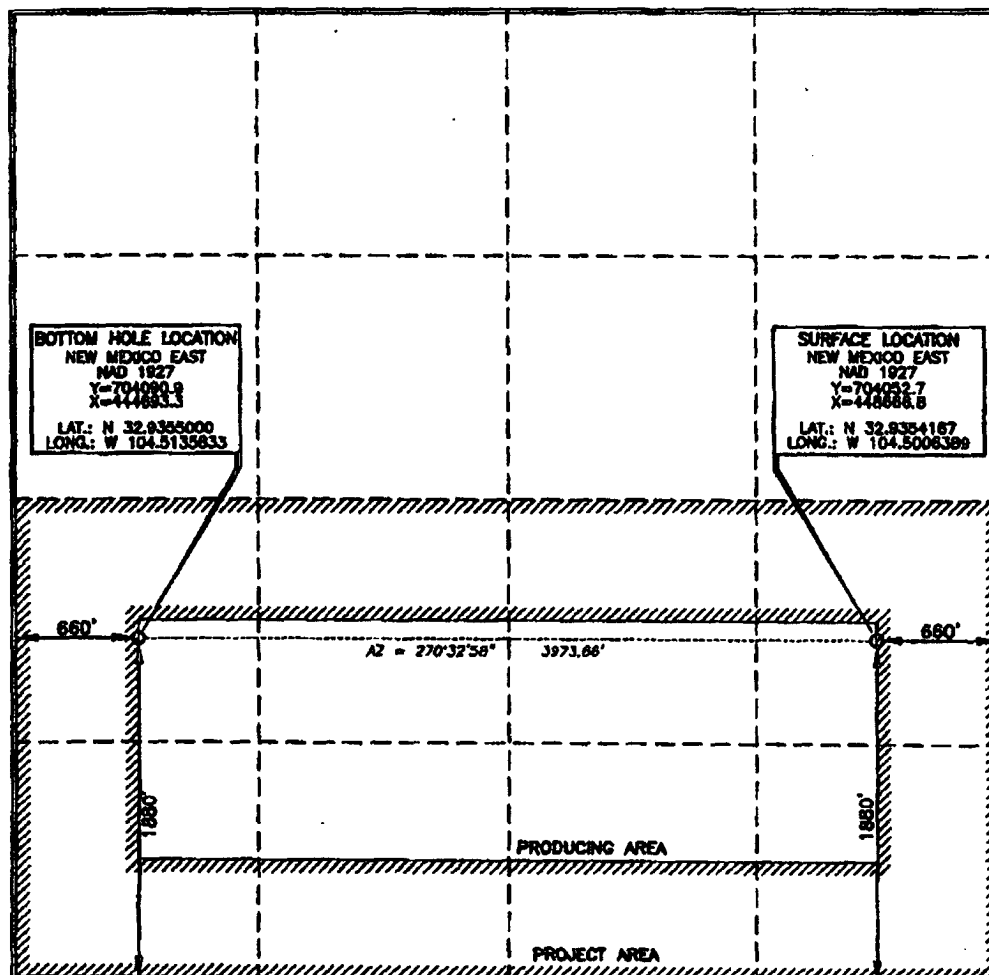
| UL or lot no. | Section  | Township        | Range                    | Lot 1/4 | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-----------------|--------------------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>I</b>      | <b>8</b> | <b>16 SOUTH</b> | <b>25 EAST, N.M.P.M.</b> |         | <b>1880</b>   | <b>SOUTH</b>     | <b>660</b>    | <b>EAST</b>    | <b>EDDY</b> |

Bottom Hole Location If Different From Surface

| UL or lot no. | Section  | Township        | Range                    | Lot 1/4 | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-----------------|--------------------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>L</b>      | <b>8</b> | <b>16 SOUTH</b> | <b>25 EAST, N.M.P.M.</b> |         | <b>1880</b>   | <b>SOUTH</b>     | <b>660</b>    | <b>WEST</b>    | <b>EDDY</b> |

|                               |                 |                    |           |
|-------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br><b>320</b> | Joint or Infill | Consolidation Code | Order No. |
|-------------------------------|-----------------|--------------------|-----------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Don G. Glanton* 3-1-06  
Signature Date

Donny G. Glanton  
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same are true and correct to the best of my belief.

NEW MEXICO  
RECEIVED  
DECEMBER 30 2005  
Date of Survey  
Signature and Seal of Professional Land Surveyor  
*Tommy D. Clark* 12/30/05  
Certificate Number 15078

WOP 051122WL-k (COP)

**Permit Information:**

Well Name: Frio B 8 Fee #1H

Revised 6/9/06

**Location:**

SL 660' FSL &amp; 1880' FEL, Section 8, T-16-S, R-25-E, Eddy Co., N.M.

BHL 660' FNL &amp; 1880' FEL, Section 8, T-16-S, R-25-E, Eddy Co., N.M.

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WWW.HITECH.COM**Casing Program:**

| Casing     | Setting Depth | Hole Size | Casing Size | Casing Weight | Casing Grade | Desired TOC |
|------------|---------------|-----------|-------------|---------------|--------------|-------------|
| Surface    | 1,000'        | 12-1/4"   | 8-5/8"      | 32#           | J-55         | Surface     |
| Production | 8,365'        | 7-7/8"    | 5 1/2"      | 17#           | N-80         | Surface     |

**Cement Program:**

| Depth  | No. Sacks | Slurries:                                                                                         |
|--------|-----------|---------------------------------------------------------------------------------------------------|
| 1,000' | 200       | Lead: Premium Plus + 2% CaCl <sub>2</sub> + 3% Econolite + 1/4 pps Flocele                        |
|        | 175       | Tail: Premium Plus + 2% CaCl <sub>2</sub> + 1/4 pps Flocele                                       |
| 8,365' | 400       | Lead: Interfill C + 1/4 pps Flocele                                                               |
|        | 300       | Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55 |
|        |           |                                                                                                   |

**Mud Program:**

| Depth           | Type              | Weight (ppg) | Viscosity | Water Loss |
|-----------------|-------------------|--------------|-----------|------------|
| 0 – 1,000'      | Fresh - Gel       | 8.6-8.8      | 28-34     | N/c        |
| 1,000' – 4,400' | Cut Brine         | 8.8-9.2      | 28-34     | N/c        |
| 4,400' – 5,100' | Cut Brine         | 8.8-9.2      | 28-34     | 10-15      |
| 4,118' – 8,365' | Polymer (Lateral) | 9.0-9.4      | 40-45     | 10-20      |

# Planning Report

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JUN 12 2006  
UNIVERSITY OF TEXAS

|                  |                   |                                     |                                      |
|------------------|-------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM               | <b>Local Co-ordinate Reference:</b> | Site Frio B 8 Fee #1H                |
| <b>Company:</b>  | EOG - Midland (3) | <b>TVD Reference:</b>               | WELL @ 3537.0ft (Original Well Elev) |
| <b>Project:</b>  | Thames            | <b>MD Reference:</b>                | WELL @ 3537.0ft (Original Well Elev) |
| <b>Site:</b>     | Frio B 8 Fee #1H  | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Frio B 8 Fee #1H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Frio B 8 Fee #1H  |                                     |                                      |
| <b>Design:</b>   | Plan #1           |                                     |                                      |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project     | Thames                               |               |                |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)              |               |                |
| Map Zone:   | New Mexico East 3001                 |               |                |

|                       |        |                  |              |                   |                   |
|-----------------------|--------|------------------|--------------|-------------------|-------------------|
| Site                  |        | Frio B 8 Fee #1H |              |                   |                   |
| Site Position:        |        | Northing:        | 702,843.10ft | Latitude:         | 32° 55' 55.466 N  |
| From:                 | Map    | Easting:         | 447,449.60ft | Longitude:        | 104° 30' 16.591 W |
| Position Uncertainty: | 0.0 ft | Slot Radius:     | "            | Grid Convergence: | -0.09 °           |

|                      |                  |        |                     |               |               |                   |
|----------------------|------------------|--------|---------------------|---------------|---------------|-------------------|
| Well                 | Frio B 8 Fee #1H |        |                     |               |               |                   |
| Well Position        | +N/-S            | 0.0 ft | Northing:           | 702,843.10 ft | Latitude:     | 32° 55' 55.466 N  |
|                      | +E/-W            | 0.0 ft | Easting:            | 447,449.60 ft | Longitude:    | 104° 30' 16.591 W |
| Position Uncertainty |                  | 0.0 ft | Wellhead Elevation: | ft            | Ground Level: | 3,519.0ft         |

|           |                  |             |                    |                  |                        |
|-----------|------------------|-------------|--------------------|------------------|------------------------|
| Wellbore  | Frio B 8 Fee #1H |             |                    |                  |                        |
| Magnetics | Model Name       | Sample Date | Declination<br>(°) | Dip Angle<br>(°) | Field Strength<br>(nT) |
|           | IGRF2005         | 3/1/2006    | 8.67               | 60.79            | 49,451                 |

|                   |                          |               |               |                   |
|-------------------|--------------------------|---------------|---------------|-------------------|
| Design            | Plan #1                  |               |               |                   |
| Audit Notes:      |                          |               |               |                   |
| Version:          | Phase:                   | PROTOTYPE     |               | Tie On Depth: 0.0 |
| Vertical Section: | Depth From (TVD)<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Direction<br>(°)  |
|                   | 4,549.0                  | 0.0           | 0.0           | 359.82            |

| Plan Sections       |                 |             |                     |            |            |                       |                      |                     |         |                  |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target           |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                  |
| 4,118.0             | 0.00            | 0.00        | 4,118.0             | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                  |
| 4,875.1             | 90.00           | 359.82      | 4,600.0             | 482.0      | -1.5       | 11.89                 | 11.89                | 0.00                | 359.82  |                  |
| 6,393.3             | 90.00           | 359.82      | 4,600.0             | 2,000.1    | -6.3       | 0.00                  | 0.00                 | 0.00                | 0.00    |                  |
| 6,443.3             | 91.50           | 359.83      | 4,599.3             | 2,050.2    | -6.4       | 3.00                  | 3.00                 | 0.02                | 0.31    |                  |
| 8,364.8             | 91.50           | 359.83      | 4,549.0             | 3,971.0    | -12.2      | 0.00                  | 0.00                 | 0.00                | 0.00    |                  |
| 8,364.9             | 91.50           | 359.83      | 4,549.0             | 3,971.1    | -12.2      | 3.00                  | -1.69                | 2.48                | 124.20  | BHL (Frio B #1H) |

# Planning Report

|                  |                   |                                     |                                      |
|------------------|-------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM               | <b>Local Co-ordinate Reference:</b> | Site Frio B 8 Fee #1H                |
| <b>Company:</b>  | EOG - Midland (3) | <b>TVD Reference:</b>               | WELL @ 3537.0ft (Original Well Elev) |
| <b>Project:</b>  | Thames            | <b>MD Reference:</b>                | WELL @ 3537.0ft (Original Well Elev) |
| <b>Site:</b>     | Frio B 8 Fee #1H  | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Frio B 8 Fee #1H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Frio B 8 Fee #1H  |                                     |                                      |
| <b>Design:</b>   | Plan #1           |                                     |                                      |

| Planned Survey      |                 |             |                     |            |            |                       | Dogleg Rate | Build Rate | Turn Rate |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------|------------|-----------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | (°/100ft)   | (°/100ft)  | (°/100ft) |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 100.0               | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 200.0               | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 300.0               | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 400.0               | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 500.0               | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 600.0               | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 700.0               | 0.00            | 0.00        | 700.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 800.0               | 0.00            | 0.00        | 800.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 900.0               | 0.00            | 0.00        | 900.0               | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,000.0             | 0.00            | 0.00        | 1,000.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,100.0             | 0.00            | 0.00        | 1,100.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,200.0             | 0.00            | 0.00        | 1,200.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,300.0             | 0.00            | 0.00        | 1,300.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,400.0             | 0.00            | 0.00        | 1,400.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,500.0             | 0.00            | 0.00        | 1,500.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,600.0             | 0.00            | 0.00        | 1,600.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,700.0             | 0.00            | 0.00        | 1,700.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,800.0             | 0.00            | 0.00        | 1,800.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 1,900.0             | 0.00            | 0.00        | 1,900.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,000.0             | 0.00            | 0.00        | 2,000.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,100.0             | 0.00            | 0.00        | 2,100.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,200.0             | 0.00            | 0.00        | 2,200.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,300.0             | 0.00            | 0.00        | 2,300.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,400.0             | 0.00            | 0.00        | 2,400.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,500.0             | 0.00            | 0.00        | 2,500.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,600.0             | 0.00            | 0.00        | 2,600.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,700.0             | 0.00            | 0.00        | 2,700.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,800.0             | 0.00            | 0.00        | 2,800.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 2,900.0             | 0.00            | 0.00        | 2,900.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,000.0             | 0.00            | 0.00        | 3,000.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,100.0             | 0.00            | 0.00        | 3,100.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,200.0             | 0.00            | 0.00        | 3,200.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,300.0             | 0.00            | 0.00        | 3,300.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,400.0             | 0.00            | 0.00        | 3,400.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,500.0             | 0.00            | 0.00        | 3,500.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,600.0             | 0.00            | 0.00        | 3,600.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,700.0             | 0.00            | 0.00        | 3,700.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,800.0             | 0.00            | 0.00        | 3,800.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 3,900.0             | 0.00            | 0.00        | 3,900.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 4,000.0             | 0.00            | 0.00        | 4,000.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 4,100.0             | 0.00            | 0.00        | 4,100.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 4,118.0             | 0.00            | 0.00        | 4,118.0             | 0.0        | 0.0        | 0.0                   | 0.00        | 0.00       | 0.00      |
| 4,200.0             | 9.75            | 359.82      | 4,199.6             | 7.0        | 0.0        | 7.0                   | 11.89       | 11.89      | 0.00      |
| 4,300.0             | 21.63           | 359.82      | 4,295.7             | 34.0       | -0.1       | 34.0                  | 11.89       | 11.89      | 0.00      |
| 4,400.0             | 33.52           | 359.82      | 4,384.2             | 80.2       | -0.3       | 80.2                  | 11.89       | 11.89      | 0.00      |
| 4,500.0             | 45.41           | 359.82      | 4,461.2             | 143.6      | -0.5       | 143.6                 | 11.89       | 11.89      | 0.00      |
| 4,600.0             | 57.30           | 359.82      | 4,523.6             | 221.6      | -0.7       | 221.6                 | 11.89       | 11.89      | 0.00      |
| 4,700.0             | 69.18           | 359.82      | 4,568.5             | 310.7      | -1.0       | 310.7                 | 11.89       | 11.89      | 0.00      |
| 4,800.0             | 81.07           | 359.82      | 4,594.2             | 407.2      | -1.3       | 407.2                 | 11.89       | 11.89      | 0.00      |
| 4,875.1             | 90.00           | 359.82      | 4,600.0             | 482.0      | -1.5       | 482.0                 | 11.89       | 11.89      | 0.00      |
| 4,900.0             | 90.00           | 359.82      | 4,600.0             | 506.9      | -1.6       | 506.9                 | 0.00        | 0.00       | 0.00      |
| 5,000.0             | 90.00           | 359.82      | 4,600.0             | 606.9      | -1.9       | 606.9                 | 0.00        | 0.00       | 0.00      |
| 5,100.0             | 90.00           | 359.82      | 4,600.0             | 706.9      | -2.2       | 706.9                 | 0.00        | 0.00       | 0.00      |

# Planning Report

|                  |                   |                                     |                                      |
|------------------|-------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM               | <b>Local Co-ordinate Reference:</b> | Site Frio B 8 Fee #1H                |
| <b>Company:</b>  | EOG - Midland (3) | <b>TVD Reference:</b>               | WELL @ 3537.0ft (Original Well Elev) |
| <b>Project:</b>  | Thames            | <b>MD Reference:</b>                | WELL @ 3537.0ft (Original Well Elev) |
| <b>Site:</b>     | Frio B 8 Fee #1H  | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Frio B 8 Fee #1H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Frio B 8 Fee #1H  |                                     |                                      |
| <b>Design:</b>   | Plan #1           |                                     |                                      |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,200.0             | 90.00           | 359.82      | 4,600.0             | 806.9      | -2.5       | 806.9                 | 0.00                  | 0.00                 | 0.00                |
| 5,300.0             | 90.00           | 359.82      | 4,600.0             | 906.9      | -2.8       | 906.9                 | 0.00                  | 0.00                 | 0.00                |
| 5,400.0             | 90.00           | 359.82      | 4,600.0             | 1,006.9    | -3.2       | 1,006.9               | 0.00                  | 0.00                 | 0.00                |
| 5,500.0             | 90.00           | 359.82      | 4,600.0             | 1,106.9    | -3.5       | 1,106.9               | 0.00                  | 0.00                 | 0.00                |
| 5,600.0             | 90.00           | 359.82      | 4,600.0             | 1,206.9    | -3.8       | 1,206.9               | 0.00                  | 0.00                 | 0.00                |
| 5,700.0             | 90.00           | 359.82      | 4,600.0             | 1,306.9    | -4.1       | 1,306.9               | 0.00                  | 0.00                 | 0.00                |
| 5,800.0             | 90.00           | 359.82      | 4,600.0             | 1,406.9    | -4.4       | 1,406.9               | 0.00                  | 0.00                 | 0.00                |
| 5,900.0             | 90.00           | 359.82      | 4,600.0             | 1,506.9    | -4.7       | 1,506.9               | 0.00                  | 0.00                 | 0.00                |
| 6,000.0             | 90.00           | 359.82      | 4,600.0             | 1,606.9    | -5.0       | 1,606.9               | 0.00                  | 0.00                 | 0.00                |
| 6,100.0             | 90.00           | 359.82      | 4,600.0             | 1,706.9    | -5.4       | 1,706.9               | 0.00                  | 0.00                 | 0.00                |
| 6,200.0             | 90.00           | 359.82      | 4,600.0             | 1,806.9    | -5.7       | 1,806.9               | 0.00                  | 0.00                 | 0.00                |
| 6,300.0             | 90.00           | 359.82      | 4,600.0             | 1,906.9    | -6.0       | 1,906.9               | 0.00                  | 0.00                 | 0.00                |
| 6,393.3             | 90.00           | 359.82      | 4,600.0             | 2,000.1    | -6.3       | 2,000.1               | 0.00                  | 0.00                 | 0.00                |
| 6,400.0             | 90.20           | 359.82      | 4,600.0             | 2,006.9    | -6.3       | 2,006.9               | 3.00                  | 3.00                 | 0.02                |
| 6,443.3             | 91.50           | 359.83      | 4,599.3             | 2,050.2    | -6.4       | 2,050.2               | 3.00                  | 3.00                 | 0.02                |
| 6,500.0             | 91.50           | 359.83      | 4,597.9             | 2,106.8    | -6.6       | 2,106.9               | 0.00                  | 0.00                 | 0.00                |
| 6,600.0             | 91.50           | 359.83      | 4,595.2             | 2,206.8    | -6.9       | 2,206.8               | 0.00                  | 0.00                 | 0.00                |
| 6,700.0             | 91.50           | 359.83      | 4,592.6             | 2,306.8    | -7.2       | 2,306.8               | 0.00                  | 0.00                 | 0.00                |
| 6,800.0             | 91.50           | 359.83      | 4,590.0             | 2,406.7    | -7.5       | 2,406.7               | 0.00                  | 0.00                 | 0.00                |
| 6,900.0             | 91.50           | 359.83      | 4,587.4             | 2,506.7    | -7.8       | 2,506.7               | 0.00                  | 0.00                 | 0.00                |
| 7,000.0             | 91.50           | 359.83      | 4,584.8             | 2,606.7    | -8.1       | 2,606.7               | 0.00                  | 0.00                 | 0.00                |
| 7,100.0             | 91.50           | 359.83      | 4,582.1             | 2,706.6    | -8.4       | 2,706.6               | 0.00                  | 0.00                 | 0.00                |
| 7,200.0             | 91.50           | 359.83      | 4,579.5             | 2,806.6    | -8.7       | 2,806.6               | 0.00                  | 0.00                 | 0.00                |
| 7,300.0             | 91.50           | 359.83      | 4,576.9             | 2,906.6    | -9.0       | 2,906.6               | 0.00                  | 0.00                 | 0.00                |
| 7,400.0             | 91.50           | 359.83      | 4,574.3             | 3,006.5    | -9.3       | 3,006.5               | 0.00                  | 0.00                 | 0.00                |
| 7,500.0             | 91.50           | 359.83      | 4,571.7             | 3,106.5    | -9.6       | 3,106.5               | 0.00                  | 0.00                 | 0.00                |
| 7,600.0             | 91.50           | 359.83      | 4,569.0             | 3,206.5    | -9.9       | 3,206.5               | 0.00                  | 0.00                 | 0.00                |
| 7,700.0             | 91.50           | 359.83      | 4,566.4             | 3,306.4    | -10.2      | 3,306.4               | 0.00                  | 0.00                 | 0.00                |
| 7,800.0             | 91.50           | 359.83      | 4,563.8             | 3,406.4    | -10.5      | 3,406.4               | 0.00                  | 0.00                 | 0.00                |
| 7,900.0             | 91.50           | 359.83      | 4,561.2             | 3,506.4    | -10.8      | 3,506.4               | 0.00                  | 0.00                 | 0.00                |
| 8,000.0             | 91.50           | 359.83      | 4,558.6             | 3,606.3    | -11.1      | 3,606.3               | 0.00                  | 0.00                 | 0.00                |
| 8,100.0             | 91.50           | 359.83      | 4,555.9             | 3,706.3    | -11.4      | 3,706.3               | 0.00                  | 0.00                 | 0.00                |
| 8,200.0             | 91.50           | 359.83      | 4,553.3             | 3,806.2    | -11.7      | 3,806.3               | 0.00                  | 0.00                 | 0.00                |
| 8,300.0             | 91.50           | 359.83      | 4,550.7             | 3,906.2    | -12.0      | 3,906.2               | 0.00                  | 0.00                 | 0.00                |
| 8,364.9             | 91.50           | 359.83      | 4,549.0             | 3,971.1    | -12.2      | 3,971.1               | 0.00                  | 0.00                 | 0.00                |

| Targets            |               |              |          |            |            |               |              |                  |                   |
|--------------------|---------------|--------------|----------|------------|------------|---------------|--------------|------------------|-------------------|
| Target Name        | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude         | Longitude         |
| - hit/miss target  |               |              |          |            |            |               |              |                  |                   |
| - Shape            |               |              |          |            |            |               |              |                  |                   |
| BHL (Frio B #1H)   | 0.00          | 0.00         | 4,549.0  | 3,971.1    | -12.2      | 706,814.20    | 447,437.40   | 32° 56' 34.761 N | 104° 30' 16.810 W |
| - plan hits target |               |              |          |            |            |               |              |                  |                   |
| - Point            |               |              |          |            |            |               |              |                  |                   |

# SITE DETAILS: Frio B 8 Fee #1H

Site Centre Northing: 702843.10  
Easting: 447449.60

Positional Uncertainty: 0.0  
Convergence: -0.09  
Local North: Grid

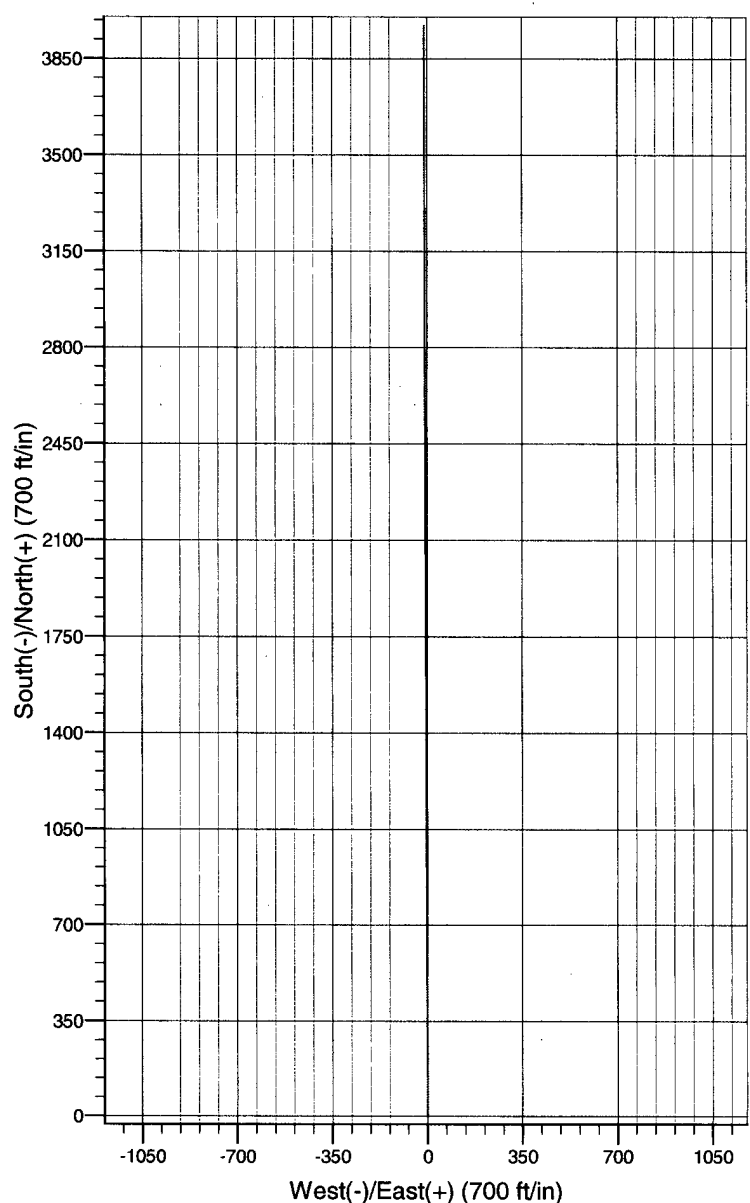
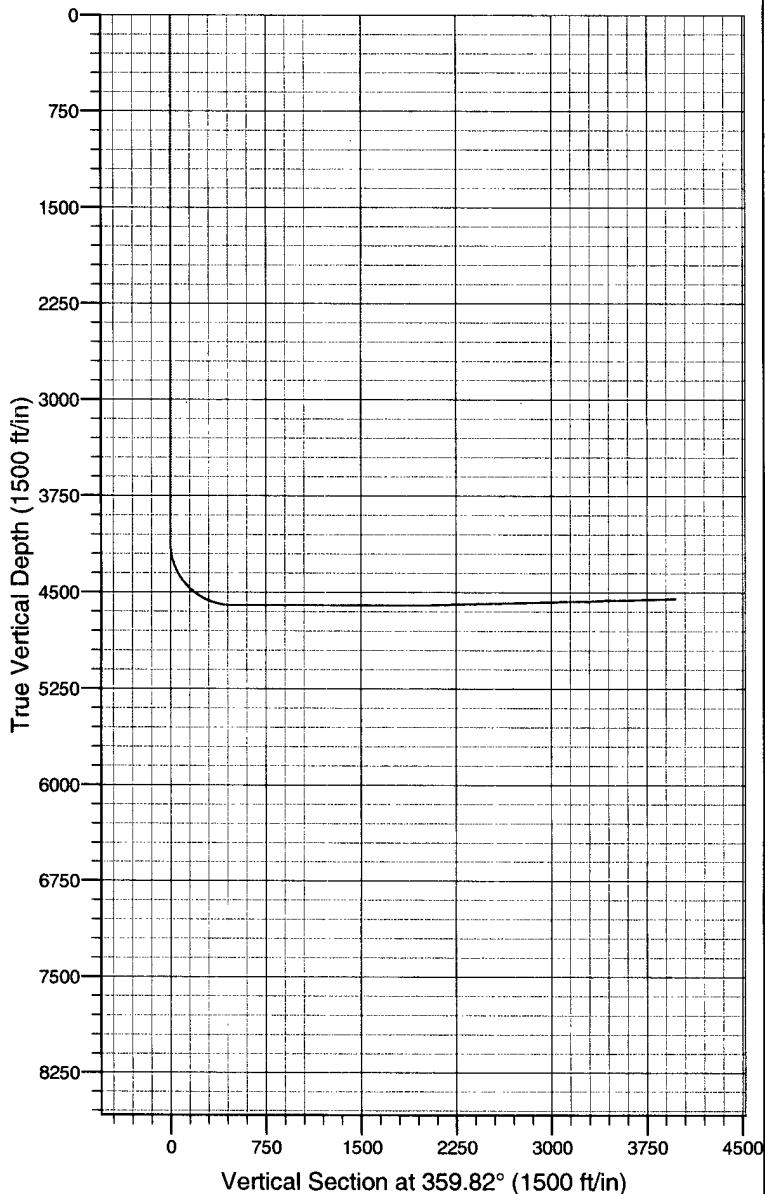
## PROJECT DETAILS: Thames

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico East 3001

System Datum: Mean Sea Level

## SECTION DETAILS

| MD     | Inc   | Azi    | TVD    | +N/-S  | +E/-W | DLeg  | TFace  | VSec   | Target           |
|--------|-------|--------|--------|--------|-------|-------|--------|--------|------------------|
| 0.0    | 0.00  | 0.00   | 0.0    | 0.0    | 0.0   | 0.00  | 0.00   | 0.0    |                  |
| 4118.0 | 0.00  | 0.00   | 4118.0 | 0.0    | 0.0   | 0.00  | 0.00   | 0.0    |                  |
| 4875.1 | 90.00 | 359.82 | 4600.0 | 482.0  | -1.5  | 11.89 | 359.82 | 482.0  |                  |
| 6393.3 | 90.00 | 359.82 | 4600.0 | 2000.1 | -6.3  | 0.00  | 0.00   | 2000.1 |                  |
| 6443.3 | 91.50 | 359.83 | 4599.3 | 2050.2 | -6.4  | 3.00  | 0.31   | 2050.2 |                  |
| 8364.8 | 91.50 | 359.83 | 4549.0 | 3971.0 | -12.2 | 0.00  | 0.00   | 3971.0 |                  |
| 8364.9 | 91.50 | 359.83 | 4549.0 | 3971.1 | -12.2 | 3.00  | 124.20 | 3971.1 | BHL (Frio B #1H) |



**Permit Information:**

Well Name: Frio B 8 Fee #1H

**Location:**

SL 1880' FSL & 660' FEL, Section 8, T-16-S, R-25-E, Eddy Co., N.M.

BHL 1880' FSL & 660' FWL, Section 8, T-16-S, R-25-E, Eddy Co., N.M.

**Casing Program:**

| Casing     | Setting Depth | Hole Size | Casing Size | Casing Weight | Casing Grade | Desired TOC |
|------------|---------------|-----------|-------------|---------------|--------------|-------------|
| Surface    | 900'          | 12-1/4"   | 8-5/8"      | 32#           | J-55         | Surface     |
| Production | 8,410'        | 7-7/8"    | 5 1/2"      | 17#           | N-80         | Surface     |

**Cement Program:**

| Depth  | No. Sacks | Slurries:                                                                                         |
|--------|-----------|---------------------------------------------------------------------------------------------------|
| 900'   | 150       | Lead: Premium Plus + 2% CaCl <sub>2</sub> + 3% Econolite + 1/4 pps Flocele                        |
|        | 175       | Tail: Premium Plus + 2% CaCl <sub>2</sub> + 1/4 pps Flocele                                       |
| 8,410' | 400       | Lead: Interfill C + 1/4 pps Flocele                                                               |
|        | 300       | Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad@-344 + 0.8% Econolite + 0.2% HR-55 |
|        |           |                                                                                                   |

**Mud Program:**

| Depth           | Type              | Weight (ppg) | Viscosity | Water Loss |
|-----------------|-------------------|--------------|-----------|------------|
| 0 – 900'        | Fresh - Gel       | 8.6-8.8      | 28-34     | N/c        |
| 900' – 4,400'   | Cut Brine         | 8.8-9.2      | 28-34     | N/c        |
| 4,400' – 5,100' | Cut Brine         | 8.8-9.2      | 28-34     | 10-15      |
| 4,200' – 8,410' | Polymer (Lateral) | 9.0-9.4      | 40-45     | 10-20      |