

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Río Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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>30-015-35107</b> | Pool Code<br><b>75260</b>                   | Pool Name<br><b>Cottonwood Creek; WC, West (Gas)</b> |
| Property Code                     | Property Name<br><b>PO A 1 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>3549'</b>                            |

Surface Location

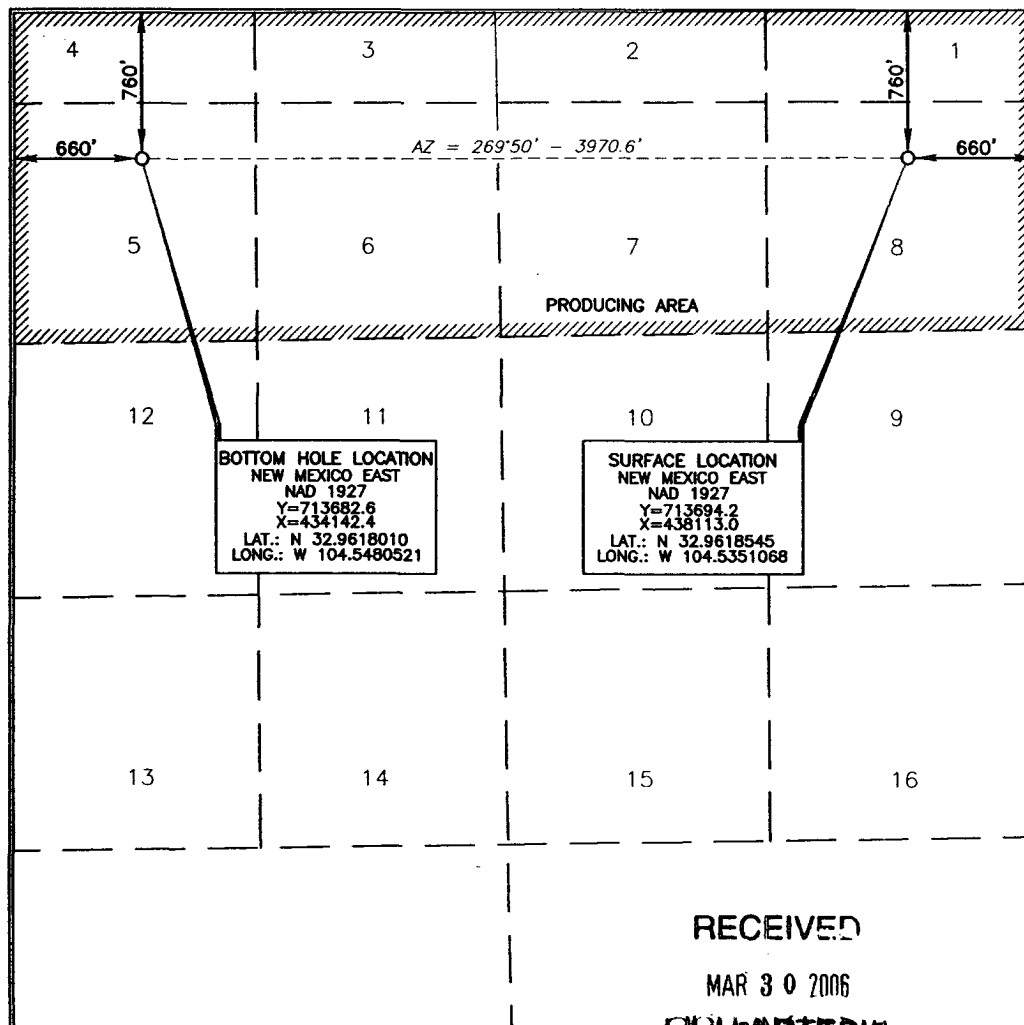
| UL or lot no. | Section  | Township        | Range                    | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-----------------|--------------------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>8</b>      | <b>1</b> | <b>16 SOUTH</b> | <b>24 EAST, N.M.P.M.</b> |         | <b>760</b>    | <b>NORTH</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 Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-----------------|--------------------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>5</b>      | <b>1</b> | <b>16 SOUTH</b> | <b>24 EAST, N.M.P.M.</b> |         | <b>760</b>    | <b>NORTH</b>     | <b>660</b>    | <b>WEST</b>    | <b>EDDY</b> |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| <b>218.80</b>   |                 |                    |           |

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* 3/29/06  
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.

MARCH 27, 2006  
Date of Survey  
15079  
Signature and Seal of Professional Surveyor  
Certificate Number 15079

WOLF 060307WL-a (COC)

**Permit Information:**

Well Name: Po A 1 Fee #1H

**Location:**

SL 760' FNL &amp; 660' FEL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

BHL 760' FNL &amp; 660' FWL, Section 1, T-16-S, R-24-E, Eddy Co., N.M.

**Casing Program:**

| Casing     | Setting Depth         | Hole Size | Casing Size | Casing Weight | Casing Grade | Desired TOC |
|------------|-----------------------|-----------|-------------|---------------|--------------|-------------|
| Surface    | <del>900'</del> 1000' | 11"       | 7"          | 23#           | J-55         | Surface     |
| Production | 8,507'                | 6-1/8"    | 4 1/2"      | 11.6#         | P-110        | Surface     |

**Cement Program:**

| Depth                 | No. Sacks | Slurries:                                                                                         |
|-----------------------|-----------|---------------------------------------------------------------------------------------------------|
| <del>900'</del> 1000' | 200       | Lead: Premium Plus + 2% CaCl <sub>2</sub> + 3% Econolite + 1/4 pps Flocele                        |
|                       | 250       | Tail: Premium Plus + 2% CaCl <sub>2</sub> + 1/4 pps Flocele                                       |
| 8,507'                | 450       | Lead: Interfill C + 1/4 pps Flocele                                                               |
|                       | 350       | 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 - <del>900'</del> 1000'     | Fresh - Gel       | 8.6-8.8      | 28-34     | N/c        |
| <del>900'</del> 900' - 4,400' | Cut Brine         | 8.8-9.2      | 28-34     | N/c        |
| 4,400' - 5,200'               | Cut Brine         | 8.8-9.2      | 28-34     | 10-15      |
| 4,200' - 8,507'               | Polymer (Lateral) | 9.0-9.4      | 40-45     | 10-25      |



**EOG Resources, Inc.**  
P.O. Box 2267  
Midland, TX 79702  
(915) 686-3600

March 27, 2006

State of New Mexico Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H<sub>2</sub>S Contingency Plan for the Po A 1 Fee #1H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H<sub>2</sub>S bearing formations during drilling operations.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason LaGrega", written over a horizontal line.

Jason LaGrega  
Drilling Engineer

RECEIVED  
MAR 30 2006  
OCCUPATIONAL

# Planning Report

|                  |                   |                                     |                                      |
|------------------|-------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM               | <b>Local Co-ordinate Reference:</b> | Well Po A 1 Fee #1H                  |
| <b>Company:</b>  | EOG - Midland (3) | <b>TVD Reference:</b>               | WELL @ 3566.0ft (Original Well Elev) |
| <b>Project:</b>  | Thames            | <b>MD Reference:</b>                | WELL @ 3566.0ft (Original Well Elev) |
| <b>Site:</b>     | Po A 1 Fee #1H    | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Po A 1 Fee #1H    | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Po A 1 Fee #1H    |                                     |                                      |
| <b>Design:</b>   | Plan #1           |                                     |                                      |

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

|                              |                |                          |                  |
|------------------------------|----------------|--------------------------|------------------|
| <b>Site</b>                  | Po A 1 Fee #1H |                          |                  |
| <b>Site Position:</b>        |                | <b>Northing:</b>         | 713,694.20 ft    |
| <b>From:</b>                 | Map            | <b>Easting:</b>          | 438,113.00 ft    |
| <b>Position Uncertainty:</b> | 0.0 ft         | <b>Slot Radius:</b>      | "                |
|                              |                | <b>Latitude:</b>         | 32° 57' 42.676 N |
|                              |                | <b>Longitude:</b>        | 104° 32' 6.384 W |
|                              |                | <b>Grid Convergence:</b> | -0.11 °          |

|                             |                |                            |                                |
|-----------------------------|----------------|----------------------------|--------------------------------|
| <b>Well</b>                 | Po A 1 Fee #1H |                            |                                |
| <b>Well Position</b>        | +N/-S          | 0.0 ft                     | <b>Northing:</b> 713,694.20 ft |
|                             | +E/-W          | 0.0 ft                     | <b>Easting:</b> 438,113.00 ft  |
| <b>Position Uncertainty</b> | 0.0 ft         | <b>Wellhead Elevation:</b> | ft                             |
|                             |                | <b>Latitude:</b>           | 32° 57' 42.676 N               |
|                             |                | <b>Longitude:</b>          | 104° 32' 6.384 W               |
|                             |                | <b>Ground Level:</b>       | 3,549.0 ft                     |

|                  |                   |                    |                            |
|------------------|-------------------|--------------------|----------------------------|
| <b>Wellbore</b>  | Po A 1 Fee #1H    |                    |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b>     |
|                  | IGRF2005          | 3/27/2006          | 8.68                       |
|                  |                   |                    | <b>Dip Angle (°)</b>       |
|                  |                   |                    | 60.81                      |
|                  |                   |                    | <b>Field Strength (nT)</b> |
|                  |                   |                    | 49,457                     |

|                          |                         |              |                          |
|--------------------------|-------------------------|--------------|--------------------------|
| <b>Design</b>            | Plan #1                 |              |                          |
| <b>Audit Notes:</b>      |                         |              |                          |
| <b>Version:</b>          | <b>Phase:</b>           | PROTOTYPE    | <b>Tie On Depth:</b> 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b> | <b>+E/-W</b>             |
|                          | (ft)                    | (ft)         | (ft)                     |
|                          | 4,669.0                 | 0.0          | 0.0                      |
|                          |                         |              | <b>Direction (°)</b>     |
|                          |                         |              | 269.83                   |

|                            |                        |                    |                            |                   |                   |                              |                             |                            |                       |               |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|-----------------------|---------------|
| <b>Plan Sections</b>       |                        |                    |                            |                   |                   |                              |                             |                            |                       |               |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> | <b>TFO (°)</b>        | <b>Target</b> |
| 0.0                        | 0.00                   | 0.00               | 0.0                        | 0.0               | 0.0               | 0.00                         | 0.00                        | 0.00                       | 0.00                  |               |
| 4,318.0                    | 0.00                   | 0.00               | 4,318.0                    | 0.0               | 0.0               | 0.00                         | 0.00                        | 0.00                       | 0.00                  |               |
| 4,918.0                    | 90.00                  | 269.83             | 4,700.0                    | -1.1              | -382.0            | 15.00                        | 15.00                       | 0.00                       | 269.83                |               |
| 4,934.5                    | 90.50                  | 269.83             | 4,699.9                    | -1.2              | -398.5            | 3.00                         | 3.00                        | 0.02                       | 0.33                  |               |
| 8,506.6                    | 90.50                  | 269.83             | 4,669.0                    | -11.6             | -3,970.4          | 0.00                         | 0.00                        | 0.00                       | 0.00                  |               |
| 8,506.8                    | 90.50                  | 269.83             | 4,669.0                    | -11.6             | -3,970.6          | 3.00                         | 2.50                        | -1.66                      | -33.49 BHL (Po A #1H) |               |

# Planning Report

|                  |                   |                                     |                                      |
|------------------|-------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM               | <b>Local Co-ordinate Reference:</b> | Well Po A 1 Fee #1H                  |
| <b>Company:</b>  | EOG - Midland (3) | <b>TVD Reference:</b>               | WELL @ 3566.0ft (Original Well Elev) |
| <b>Project:</b>  | Thames            | <b>MD Reference:</b>                | WELL @ 3566.0ft (Original Well Elev) |
| <b>Site:</b>     | Po A 1 Fee #1H    | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Po A 1 Fee #1H    | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Po A 1 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) |
|---------------------|-----------------|-------------|---------------------|-----------|-----------|-----------------------|-----------------------|----------------------|---------------------|
| 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                |
| 4,200.0             | 0.00            | 0.00        | 4,200.0             | 0.0       | 0.0       | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,300.0             | 0.00            | 0.00        | 4,300.0             | 0.0       | 0.0       | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,318.0             | 0.00            | 0.00        | 4,318.0             | 0.0       | 0.0       | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,400.0             | 12.30           | 269.83      | 4,399.4             | 0.0       | -8.8      | 8.8                   | 15.00                 | 15.00                | 0.00                |
| 4,500.0             | 27.30           | 269.83      | 4,493.2             | -0.1      | -42.5     | 42.5                  | 15.00                 | 15.00                | 0.00                |
| 4,600.0             | 42.30           | 269.83      | 4,575.1             | -0.3      | -99.5     | 99.5                  | 15.00                 | 15.00                | 0.00                |
| 4,700.0             | 57.30           | 269.83      | 4,639.4             | -0.5      | -175.6    | 175.6                 | 15.00                 | 15.00                | 0.00                |
| 4,800.0             | 72.30           | 269.83      | 4,681.9             | -0.8      | -265.8    | 265.8                 | 15.00                 | 15.00                | 0.00                |
| 4,900.0             | 87.30           | 269.83      | 4,699.5             | -1.1      | -364.0    | 364.0                 | 15.00                 | 15.00                | 0.00                |
| 4,918.0             | 90.00           | 269.83      | 4,700.0             | -1.1      | -382.0    | 382.0                 | 15.00                 | 15.00                | 0.00                |
| 4,934.5             | 90.50           | 269.83      | 4,699.9             | -1.2      | -398.5    | 398.5                 | 3.00                  | 3.00                 | 0.02                |
| 5,000.0             | 90.50           | 269.83      | 4,699.3             | -1.4      | -464.0    | 464.0                 | 0.00                  | 0.00                 | 0.00                |

# Planning Report

|                  |                   |                                     |                                      |
|------------------|-------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM               | <b>Local Co-ordinate Reference:</b> | Well Po A 1 Fee #1H                  |
| <b>Company:</b>  | EOG - Midland (3) | <b>TVD Reference:</b>               | WELL @ 3566.0ft (Original Well Elev) |
| <b>Project:</b>  | Thames            | <b>MD Reference:</b>                | WELL @ 3566.0ft (Original Well Elev) |
| <b>Site:</b>     | Po A 1 Fee #1H    | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Po A 1 Fee #1H    | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Po A 1 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,100.0             | 90.50           | 269.83      | 4,698.5             | -1.7       | -564.0     | 564.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,200.0             | 90.50           | 269.83      | 4,697.6             | -2.0       | -664.0     | 664.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,300.0             | 90.50           | 269.83      | 4,696.7             | -2.2       | -764.0     | 764.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,400.0             | 90.50           | 269.83      | 4,695.9             | -2.5       | -864.0     | 864.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,500.0             | 90.50           | 269.83      | 4,695.0             | -2.8       | -963.9     | 964.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,600.0             | 90.50           | 269.83      | 4,694.1             | -3.1       | -1,063.9   | 1,063.9               | 0.00                  | 0.00                 | 0.00                |
| 5,700.0             | 90.50           | 269.83      | 4,693.3             | -3.4       | -1,163.9   | 1,163.9               | 0.00                  | 0.00                 | 0.00                |
| 5,800.0             | 90.50           | 269.83      | 4,692.4             | -3.7       | -1,263.9   | 1,263.9               | 0.00                  | 0.00                 | 0.00                |
| 5,900.0             | 90.50           | 269.83      | 4,691.5             | -4.0       | -1,363.9   | 1,363.9               | 0.00                  | 0.00                 | 0.00                |
| 6,000.0             | 90.50           | 269.83      | 4,690.7             | -4.3       | -1,463.9   | 1,463.9               | 0.00                  | 0.00                 | 0.00                |
| 6,100.0             | 90.50           | 269.83      | 4,689.8             | -4.6       | -1,563.9   | 1,563.9               | 0.00                  | 0.00                 | 0.00                |
| 6,200.0             | 90.50           | 269.83      | 4,689.0             | -4.9       | -1,663.9   | 1,663.9               | 0.00                  | 0.00                 | 0.00                |
| 6,300.0             | 90.50           | 269.83      | 4,688.1             | -5.2       | -1,763.9   | 1,763.9               | 0.00                  | 0.00                 | 0.00                |
| 6,400.0             | 90.50           | 269.83      | 4,687.2             | -5.5       | -1,863.9   | 1,863.9               | 0.00                  | 0.00                 | 0.00                |
| 6,500.0             | 90.50           | 269.83      | 4,686.4             | -5.7       | -1,963.9   | 1,963.9               | 0.00                  | 0.00                 | 0.00                |
| 6,600.0             | 90.50           | 269.83      | 4,685.5             | -6.0       | -2,063.9   | 2,063.9               | 0.00                  | 0.00                 | 0.00                |
| 6,700.0             | 90.50           | 269.83      | 4,684.6             | -6.3       | -2,163.9   | 2,163.9               | 0.00                  | 0.00                 | 0.00                |
| 6,800.0             | 90.50           | 269.83      | 4,683.8             | -6.6       | -2,263.9   | 2,263.9               | 0.00                  | 0.00                 | 0.00                |
| 6,900.0             | 90.50           | 269.83      | 4,682.9             | -6.9       | -2,363.9   | 2,363.9               | 0.00                  | 0.00                 | 0.00                |
| 7,000.0             | 90.50           | 269.83      | 4,682.0             | -7.2       | -2,463.9   | 2,463.9               | 0.00                  | 0.00                 | 0.00                |
| 7,100.0             | 90.50           | 269.83      | 4,681.2             | -7.5       | -2,563.9   | 2,563.9               | 0.00                  | 0.00                 | 0.00                |
| 7,200.0             | 90.50           | 269.83      | 4,680.3             | -7.8       | -2,663.9   | 2,663.9               | 0.00                  | 0.00                 | 0.00                |
| 7,300.0             | 90.50           | 269.83      | 4,679.4             | -8.1       | -2,763.9   | 2,763.9               | 0.00                  | 0.00                 | 0.00                |
| 7,400.0             | 90.50           | 269.83      | 4,678.6             | -8.4       | -2,863.9   | 2,863.9               | 0.00                  | 0.00                 | 0.00                |
| 7,500.0             | 90.50           | 269.83      | 4,677.7             | -8.7       | -2,963.9   | 2,963.9               | 0.00                  | 0.00                 | 0.00                |
| 7,600.0             | 90.50           | 269.83      | 4,676.8             | -9.0       | -3,063.9   | 3,063.9               | 0.00                  | 0.00                 | 0.00                |
| 7,700.0             | 90.50           | 269.83      | 4,676.0             | -9.2       | -3,163.9   | 3,163.9               | 0.00                  | 0.00                 | 0.00                |
| 7,800.0             | 90.50           | 269.83      | 4,675.1             | -9.5       | -3,263.9   | 3,263.9               | 0.00                  | 0.00                 | 0.00                |
| 7,900.0             | 90.50           | 269.83      | 4,674.2             | -9.8       | -3,363.8   | 3,363.9               | 0.00                  | 0.00                 | 0.00                |
| 8,000.0             | 90.50           | 269.83      | 4,673.4             | -10.1      | -3,463.8   | 3,463.9               | 0.00                  | 0.00                 | 0.00                |
| 8,100.0             | 90.50           | 269.83      | 4,672.5             | -10.4      | -3,563.8   | 3,563.9               | 0.00                  | 0.00                 | 0.00                |
| 8,200.0             | 90.50           | 269.83      | 4,671.7             | -10.7      | -3,663.8   | 3,663.8               | 0.00                  | 0.00                 | 0.00                |
| 8,300.0             | 90.50           | 269.83      | 4,670.8             | -11.0      | -3,763.8   | 3,763.8               | 0.00                  | 0.00                 | 0.00                |
| 8,400.0             | 90.50           | 269.83      | 4,669.9             | -11.3      | -3,863.8   | 3,863.8               | 0.00                  | 0.00                 | 0.00                |
| 8,500.0             | 90.50           | 269.83      | 4,669.1             | -11.6      | -3,963.8   | 3,963.8               | 0.00                  | 0.00                 | 0.00                |
| 8,506.6             | 90.50           | 269.83      | 4,669.0             | -11.6      | -3,970.4   | 3,970.4               | 0.00                  | 0.00                 | 0.00                |
| 8,506.8             | 90.50           | 269.83      | 4,669.0             | -11.6      | -3,970.6   | 3,970.6               | 3.00                  | 2.50                 | -1.66               |

## 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 (Po A #1H)     | 0.00          | 0.00         | 4,669.0  | -11.6      | -3,970.6   | 713,682.60    | 434,142.40   | 32° 57' 42.483 N | 104° 32' 52.988 W |
| - plan hits target |               |              |          |            |            |               |              |                  |                   |
| - Point            |               |              |          |            |            |               |              |                  |                   |

# SITE DETAILS: Po A 1 Fee #1H

Site Centre Northing: 713694.20  
Easting: 438113.00

Positional Uncertainty: 0.0  
Convergence: -0.11  
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    |                |
| 4318.0 | 0.00  | 0.00   | 4318.0 | 0.0   | 0.0     | 0.00  | 0.00   | 0.0    |                |
| 4918.0 | 90.00 | 269.83 | 4700.0 | -1.1  | -382.0  | 15.00 | 269.83 | 382.0  |                |
| 4934.5 | 90.50 | 269.83 | 4699.9 | -1.2  | -398.5  | 3.00  | 0.33   | 398.5  |                |
| 8506.6 | 90.50 | 269.83 | 4669.0 | -11.6 | -3970.4 | 0.00  | 0.00   | 3970.4 |                |
| 8506.8 | 90.50 | 269.83 | 4669.0 | -11.6 | -3970.6 | 3.00  | -33.49 | 3970.6 | BHL (Po A #1H) |

