

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

MAR 12 2008  
OCD-ARTESIA  
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>30-015-36191</b> | Pool Code<br><b>97415</b>                  | Pool Name<br><b>Four Mile Draw ; Wolfcamp (G)</b> |
| Property Code                     | Property Name<br><b>SNAKE "31" STATE</b>   | Well Number<br><b>3H</b>                          |
| OGRID No.<br><b>7377</b>          | Operator Name<br><b>EOG RESOURCES INC.</b> | Elevation<br><b>4062.7'</b>                       |

Surface Location

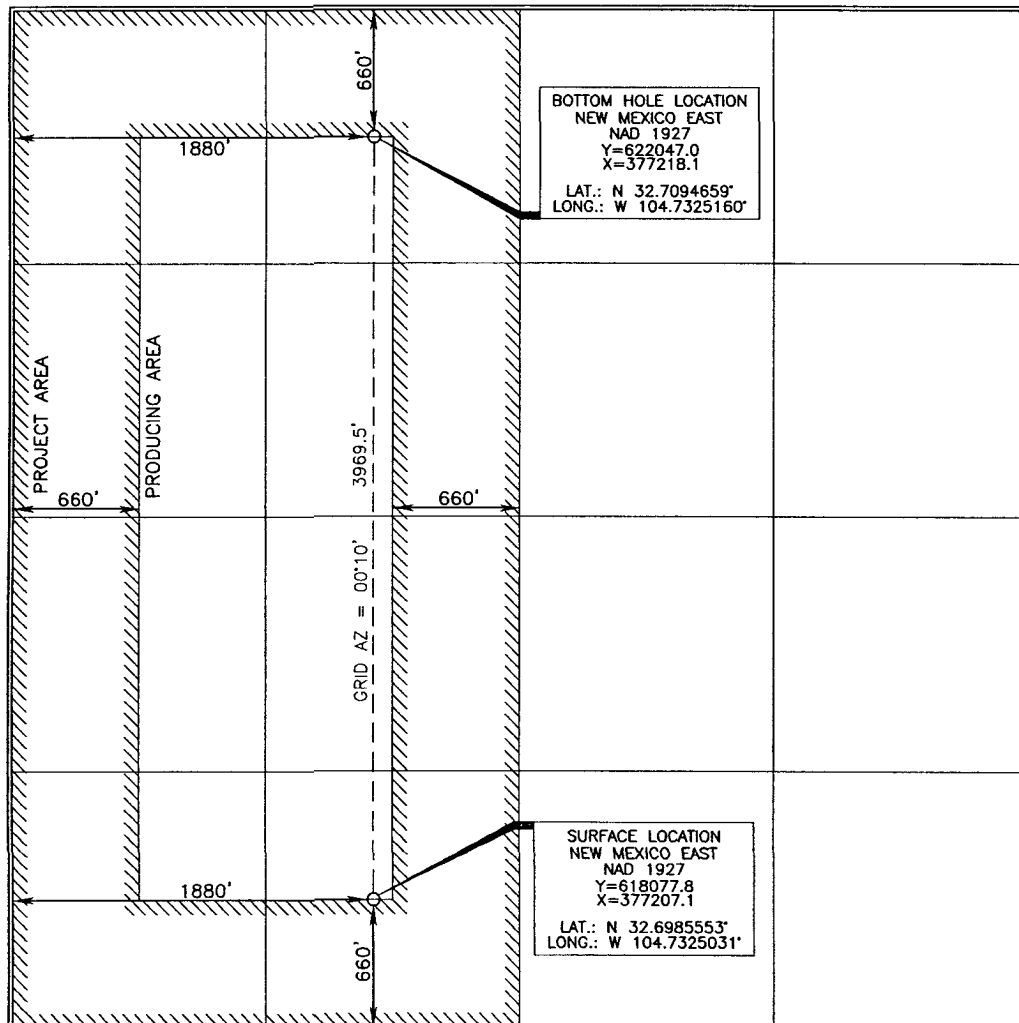
| UL or lot no. | Section   | Township        | Range                    | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-----------------|--------------------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>N</b>      | <b>31</b> | <b>18 SOUTH</b> | <b>23 EAST, N.M.P.M.</b> |         | <b>660'</b>   | <b>SOUTH</b>     | <b>1880'</b>  | <b>WEST</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>C</b>      | <b>31</b> | <b>18 SOUTH</b> | <b>23 EAST, N.M.P.M.</b> |         | <b>660'</b>   | <b>NORTH</b>     | <b>1880'</b>  | <b>WEST</b>    | <b>EDDY</b> |

|                 |                 |                    |           |
|-----------------|-----------------|--------------------|-----------|
| Dedicated Acres | 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* 3/6/08  
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.

FEBRUARY 14, 2008  
Date of Survey  
Signature and Seal of Professional Surveyor  
*Terry J. Abel* 2/20/2008  
Certificate Number 15079

WO# 080214WL-b (KA)

**Permit Information:**

Well Name: Snake 31 State #3H

**Location:**

SL 660' FSL &amp; 1880' FWL, Section 31, T-18-S, R-23-E, Eddy Co., N.M.

BHL 660' FNL &amp; 1880' FWL, Section 31, T-18-S, R-23-E, Eddy Co., N.M.

**Casing Program:**

| Casing     | Setting Depth | Hole Size | Casing Size | Casing Weight | Casing Grade | Desired TOC |
|------------|---------------|-----------|-------------|---------------|--------------|-------------|
| Surface    | 1,200'        | 12-1/4"   | 8-5/8"      | 32#           | J-55         | Surface     |
| Production | 8,179'        | 7-7/8"    | 5 1/2"      | 17#           | N-80         | Surface     |

**Cement Program:**

| Depth  | No. Sacks | Slurries:                                                                                                                         |
|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------|
| 1,200' | 345       | Lead: 35:65 Poz: C + 4% Bentonite + 0.005 gps FP-6L + 0.005 pps Static Free + 5 pps LCM-1 + 5% NaCl + 5% MPA-5 + 0.8% SMS         |
|        | 400       | Tail: Class C + 0.005 gps FP-6L + 0.005 pps Static Free + 0.125 pps CelloFlake                                                    |
| 8,179' | 630       | Lead: 50:50 Poz: Class C + 0.005 gps FP-6L + 10% Bentonite + 0.005 pps Static Free + 0.125 pps CelloFlake                         |
|        | 745       | Tail: 50:50 Poz: Class C + 2% Bentonite + 0.005 gps FP-6L + 0.005 pps Static Free + 5% NaCl + 0.3% FL-2A + 0.2% CD-32 + 0.05% R-3 |
|        |           |                                                                                                                                   |

**Mud Program:**

| Depth           | Type              | Weight (ppg) | Viscosity | Water Loss |
|-----------------|-------------------|--------------|-----------|------------|
| 0 – 1,200'      | Fresh - Gel       | 8.6-8.8      | 28-34     | N/c        |
| 1,200' – 3,933' | Cut Brine         | 8.8-9.2      | 28-34     | N/c        |
| 3,933' – 8,179' | Polymer (Lateral) | 9.0-9.4      | 40-45     | 10-25      |



**EOG Resources, Inc.**

P.O. Box 2267  
Midland, TX 79702  
(432) 686-3600

March 5, 2008

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 Snake 31 State #3H. 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 the printed name and title.

Jason LaGrega  
Drilling Engineer

# EOG Resources Inc

## Planning Report

|           |                      |                              |                                       |
|-----------|----------------------|------------------------------|---------------------------------------|
| Database: | EDM                  | Local Co-ordinate Reference: | Well Snake 31 State #3H               |
| Company:  | Midland - New Mexico | TVD Reference:               | WELL @ 4081.70ft (Original Well Elev) |
| Project:  | Thames               | MD Reference:                | WELL @ 4081.70ft (Original Well Elev) |
| Site:     | Snake 31 State #3H   | North Reference:             | Grid                                  |
| Well:     | Snake 31 State #3H   | Survey Calculation Method:   | Minimum Curvature                     |
| Wellbore: | Snake 31 State #3H   |                              |                                       |
| Design:   | Original Plan        |                              |                                       |

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

|                       |                    |                   |                   |
|-----------------------|--------------------|-------------------|-------------------|
| Site:                 | Snake 31 State #3H |                   |                   |
| Site Position:        |                    | Northing:         | 618,077.80 ft     |
| From:                 | Map                | Easting:          | 377,207.10 ft     |
| Position Uncertainty: | 0.00 ft            | Slot Radius:      | "                 |
|                       |                    | Latitude:         | 32° 41' 54.812 N  |
|                       |                    | Longitude:        | 104° 43' 57.003 W |
|                       |                    | Grid Convergence: | -0.22 %           |

|                      |                    |                     |           |               |             |                   |
|----------------------|--------------------|---------------------|-----------|---------------|-------------|-------------------|
| Well                 | Snake 31 State #3H |                     |           |               |             |                   |
| Well Position        | +N/-S              | 0.00 ft             | Northing: | 618,077.80 ft | Latitude:   | 32° 41' 54.812 N  |
|                      | +E/-W              | 0.00 ft             | Easting:  | 377,207.10 ft | Longitude:  | 104° 43' 57.003 W |
| Position Uncertainty | 0.00 ft            | Wellhead Elevation: | ft        | Ground Level: | 4,062.70 ft |                   |

|           |                    |             |                    |                  |                        |
|-----------|--------------------|-------------|--------------------|------------------|------------------------|
| Wellbore  | Snake 31 State #3H |             |                    |                  |                        |
| Magnetics | Model Name         | Sample Date | Declination<br>(?) | Dip Angle<br>(?) | Field Strength<br>(nT) |
|           | IGRF2005           | 3/5/2008    | 8.52               | 60.48            | 49,044                 |

|                   |                  |           |               |           |
|-------------------|------------------|-----------|---------------|-----------|
| Design            | Original Plan    |           |               |           |
| Audit Notes:      |                  |           |               |           |
| Version:          | Phase:           | PROTOTYPE | Tie On Depth: | 0.00      |
| Vertical Section: | Depth From (TVD) | +N/-S     | +E/-W         | Direction |
|                   | (ft)             | (ft)      | (ft)          | (?)       |
|                   | 4,329.00         | 0.00      | 0.00          | 0.16      |

| Plan Sections  |             |         |                |          |       |             |            |           |                        |        |
|----------------|-------------|---------|----------------|----------|-------|-------------|------------|-----------|------------------------|--------|
| Measured Depth | Inclination | Azimuth | Vertical Depth | +N/-S    | +E/-W | Dogleg Rate | Build Rate | Turn Rate | TFO                    | Target |
| (ft)           | (?)         | (?)     | (ft)           | (ft)     | (ft)  | (?/100ft)   | (?/100ft)  | (?/100ft) | (?)                    |        |
| 0.00           | 0.00        | 0.00    | 0.00           | 0.00     | 0.00  | 0.00        | 0.00       | 0.00      | 0.00                   |        |
| 3,933.00       | 0.00        | 0.00    | 3,933.00       | 0.00     | 0.00  | 0.00        | 0.00       | 0.00      | 0.00                   |        |
| 4,690.12       | 90.00       | 0.16    | 4,415.00       | 482.00   | 1.35  | 11.89       | 11.89      | 0.00      | 0.16                   |        |
| 5,690.12       | 90.00       | 0.16    | 4,415.00       | 1,481.99 | 4.14  | 0.00        | 0.00       | 0.00      | 0.00                   |        |
| 5,757.03       | 92.01       | 0.16    | 4,413.83       | 1,548.89 | 4.32  | 3.00        | 3.00       | 0.00      | -0.06                  |        |
| 8,178.60       | 92.01       | 0.16    | 4,329.01       | 3,968.96 | 11.00 | 0.00        | 0.00       | 0.00      | 0.00                   |        |
| 8,178.85       | 92.00       | 0.16    | 4,329.00       | 3,969.21 | 11.00 | 3.00        | -2.90      | 0.78      | 164.93 BHL (Snake #3H) |        |

# EOG Resources Inc

## Planning Report

|           |                      |                              |                                       |
|-----------|----------------------|------------------------------|---------------------------------------|
| Database: | EDM                  | Local Co-ordinate Reference: | Well Snake 31 State #3H               |
| Company:  | Midland - New Mexico | TVD Reference:               | WELL @ 4081 70ft (Original Well Elev) |
| Project:  | Thames               | MD Reference:                | WELL @ 4081.70ft (Original Well Elev) |
| Site:     | Snake 31 State #3H   | North Reference:             | Grid                                  |
| Well:     | Snake 31 State #3H   | Survey Calculation Method:   | Minimum Curvature                     |
| Wellbore: | Snake 31 State #3H   |                              |                                       |
| Design:   | Original Plan        |                              |                                       |

| 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) |
| 0.00                | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 100.00              | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 200.00              | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 300.00              | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 400.00              | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 500.00              | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 600.00              | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 700.00              | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 800.00              | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 900.00              | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,000.00            | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,100.00            | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,200.00            | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,300.00            | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,400.00            | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,500.00            | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,600.00            | 0.00            | 0.00        | 1,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,700.00            | 0.00            | 0.00        | 1,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,800.00            | 0.00            | 0.00        | 1,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,900.00            | 0.00            | 0.00        | 1,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,000.00            | 0.00            | 0.00        | 2,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,100.00            | 0.00            | 0.00        | 2,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,200.00            | 0.00            | 0.00        | 2,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,300.00            | 0.00            | 0.00        | 2,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,400.00            | 0.00            | 0.00        | 2,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,500.00            | 0.00            | 0.00        | 2,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,600.00            | 0.00            | 0.00        | 2,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,700.00            | 0.00            | 0.00        | 2,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,800.00            | 0.00            | 0.00        | 2,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,900.00            | 0.00            | 0.00        | 2,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,000.00            | 0.00            | 0.00        | 3,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,100.00            | 0.00            | 0.00        | 3,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,200.00            | 0.00            | 0.00        | 3,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,300.00            | 0.00            | 0.00        | 3,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,400.00            | 0.00            | 0.00        | 3,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,500.00            | 0.00            | 0.00        | 3,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,600.00            | 0.00            | 0.00        | 3,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,700.00            | 0.00            | 0.00        | 3,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,800.00            | 0.00            | 0.00        | 3,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,900.00            | 0.00            | 0.00        | 3,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,933.00            | 0.00            | 0.00        | 3,933.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,000.00            | 7.96            | 0.16        | 3,999.78            | 4.65       | 0.01       | 4.65                  | 11.89                 | 11.89                | 0.00                |
| 4,100.00            | 19.85           | 0.16        | 4,096.68            | 28.64      | 0.08       | 28.64                 | 11.89                 | 11.89                | 0.00                |
| 4,200.00            | 31.74           | 0.16        | 4,186.55            | 72.08      | 0.20       | 72.08                 | 11.89                 | 11.89                | 0.00                |
| 4,300.00            | 43.63           | 0.16        | 4,265.55            | 133.10     | 0.37       | 133.10                | 11.89                 | 11.89                | 0.00                |
| 4,400.00            | 55.51           | 0.16        | 4,330.29            | 209.08     | 0.58       | 209.08                | 11.89                 | 11.89                | 0.00                |
| 4,500.00            | 67.40           | 0.16        | 4,377.99            | 296.77     | 0.83       | 296.77                | 11.89                 | 11.89                | 0.00                |
| 4,600.00            | 79.29           | 0.16        | 4,406.60            | 392.40     | 1.10       | 392.40                | 11.89                 | 11.89                | 0.00                |
| 4,690.12            | 90.00           | 0.16        | 4,415.00            | 482.00     | 1.35       | 482.00                | 11.89                 | 11.89                | 0.00                |
| 4,700.00            | 90.00           | 0.16        | 4,415.00            | 491.87     | 1.37       | 491.88                | 0.00                  | 0.00                 | 0.00                |
| 4,800.00            | 90.00           | 0.16        | 4,415.00            | 591.87     | 1.65       | 591.88                | 0.00                  | 0.00                 | 0.00                |
| 4,900.00            | 90.00           | 0.16        | 4,415.00            | 691.87     | 1.93       | 691.88                | 0.00                  | 0.00                 | 0.00                |
| 5,000.00            | 90.00           | 0.16        | 4,415.00            | 791.87     | 2.21       | 791.88                | 0.00                  | 0.00                 | 0.00                |
| 5,100.00            | 90.00           | 0.16        | 4,415.00            | 891.87     | 2.49       | 891.88                | 0.00                  | 0.00                 | 0.00                |

# EOG Resources Inc

## Planning Report

|           |                      |                              |                                       |
|-----------|----------------------|------------------------------|---------------------------------------|
| Database: | EDM                  | Local Co-ordinate Reference: | Well Snake 31 State #3H               |
| Company:  | Midland - New Mexico | TVD Reference:               | WELL @ 4081.70ft (Original Well Elev) |
| Project:  | Thames               | MD Reference:                | WELL @ 4081.70ft (Original Well Elev) |
| Site:     | Snake 31 State #3H   | North Reference:             | Grid                                  |
| Well:     | Snake 31 State #3H   | Survey Calculation Method:   | Minimum Curvature                     |
| Wellbore: | Snake 31 State #3H   |                              |                                       |
| Design:   | Original Plan        |                              |                                       |

### 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,200.00            | 90.00           | 0.16        | 4,415.00            | 991.87     | 2.77       | 991.88                | 0.00                  | 0.00                 | 0.00                |
| 5,300.00            | 90.00           | 0.16        | 4,415.00            | 1,091.87   | 3.05       | 1,091.88              | 0.00                  | 0.00                 | 0.00                |
| 5,400.00            | 90.00           | 0.16        | 4,415.00            | 1,191.87   | 3.33       | 1,191.88              | 0.00                  | 0.00                 | 0.00                |
| 5,500.00            | 90.00           | 0.16        | 4,415.00            | 1,291.87   | 3.61       | 1,291.88              | 0.00                  | 0.00                 | 0.00                |
| 5,600.00            | 90.00           | 0.16        | 4,415.00            | 1,391.87   | 3.89       | 1,391.88              | 0.00                  | 0.00                 | 0.00                |
| 5,690.12            | 90.00           | 0.16        | 4,415.00            | 1,481.99   | 4.14       | 1,482.00              | 0.00                  | 0.00                 | 0.00                |
| 5,700.00            | 90.30           | 0.16        | 4,414.97            | 1,491.87   | 4.17       | 1,491.88              | 3.00                  | 3.00                 | 0.00                |
| 5,757.03            | 92.01           | 0.16        | 4,413.83            | 1,548.89   | 4.32       | 1,548.90              | 3.00                  | 3.00                 | 0.00                |
| 5,800.00            | 92.01           | 0.16        | 4,412.32            | 1,591.83   | 4.44       | 1,591.84              | 0.00                  | 0.00                 | 0.00                |
| 5,900.00            | 92.01           | 0.16        | 4,408.82            | 1,691.77   | 4.72       | 1,691.77              | 0.00                  | 0.00                 | 0.00                |
| 6,000.00            | 92.01           | 0.16        | 4,405.32            | 1,791.71   | 4.99       | 1,791.71              | 0.00                  | 0.00                 | 0.00                |
| 6,100.00            | 92.01           | 0.16        | 4,401.82            | 1,891.64   | 5.27       | 1,891.65              | 0.00                  | 0.00                 | 0.00                |
| 6,200.00            | 92.01           | 0.16        | 4,398.31            | 1,991.58   | 5.55       | 1,991.59              | 0.00                  | 0.00                 | 0.00                |
| 6,300.00            | 92.01           | 0.16        | 4,394.81            | 2,091.52   | 5.82       | 2,091.53              | 0.00                  | 0.00                 | 0.00                |
| 6,400.00            | 92.01           | 0.16        | 4,391.31            | 2,191.46   | 6.10       | 2,191.47              | 0.00                  | 0.00                 | 0.00                |
| 6,500.00            | 92.01           | 0.16        | 4,387.80            | 2,291.40   | 6.37       | 2,291.41              | 0.00                  | 0.00                 | 0.00                |
| 6,600.00            | 92.01           | 0.16        | 4,384.30            | 2,391.34   | 6.65       | 2,391.35              | 0.00                  | 0.00                 | 0.00                |
| 6,700.00            | 92.01           | 0.16        | 4,380.80            | 2,491.27   | 6.92       | 2,491.28              | 0.00                  | 0.00                 | 0.00                |
| 6,800.00            | 92.01           | 0.16        | 4,377.30            | 2,591.21   | 7.20       | 2,591.22              | 0.00                  | 0.00                 | 0.00                |
| 6,900.00            | 92.01           | 0.16        | 4,373.79            | 2,691.15   | 7.47       | 2,691.16              | 0.00                  | 0.00                 | 0.00                |
| 7,000.00            | 92.01           | 0.16        | 4,370.29            | 2,791.09   | 7.75       | 2,791.10              | 0.00                  | 0.00                 | 0.00                |
| 7,100.00            | 92.01           | 0.16        | 4,366.79            | 2,891.03   | 8.03       | 2,891.04              | 0.00                  | 0.00                 | 0.00                |
| 7,200.00            | 92.01           | 0.16        | 4,363.29            | 2,990.97   | 8.30       | 2,990.98              | 0.00                  | 0.00                 | 0.00                |
| 7,300.00            | 92.01           | 0.16        | 4,359.78            | 3,090.90   | 8.58       | 3,090.92              | 0.00                  | 0.00                 | 0.00                |
| 7,400.00            | 92.01           | 0.16        | 4,356.28            | 3,190.84   | 8.85       | 3,190.85              | 0.00                  | 0.00                 | 0.00                |
| 7,500.00            | 92.01           | 0.16        | 4,352.78            | 3,290.78   | 9.13       | 3,290.79              | 0.00                  | 0.00                 | 0.00                |
| 7,600.00            | 92.01           | 0.16        | 4,349.28            | 3,390.72   | 9.40       | 3,390.73              | 0.00                  | 0.00                 | 0.00                |
| 7,700.00            | 92.01           | 0.16        | 4,345.77            | 3,490.66   | 9.68       | 3,490.67              | 0.00                  | 0.00                 | 0.00                |
| 7,800.00            | 92.01           | 0.16        | 4,342.27            | 3,590.60   | 9.96       | 3,590.61              | 0.00                  | 0.00                 | 0.00                |
| 7,900.00            | 92.01           | 0.16        | 4,338.77            | 3,690.53   | 10.23      | 3,690.55              | 0.00                  | 0.00                 | 0.00                |
| 8,000.00            | 92.01           | 0.16        | 4,335.26            | 3,790.47   | 10.51      | 3,790.49              | 0.00                  | 0.00                 | 0.00                |
| 8,100.00            | 92.01           | 0.16        | 4,331.76            | 3,890.41   | 10.78      | 3,890.42              | 0.00                  | 0.00                 | 0.00                |
| 8,178.60            | 92.01           | 0.16        | 4,329.01            | 3,968.96   | 11.00      | 3,968.97              | 0.00                  | 0.00                 | 0.00                |
| 8,178.85            | 92.00           | 0.16        | 4,329.00            | 3,969.21   | 11.00      | 3,969.22              | 3.00                  | -2.90                | 0.78                |

BHL (Snake #3H)

### Targets

| Target Name     | - hit/miss target         | Dip Angle (?) | Dip Dir. (?) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude         | Longitude         |
|-----------------|---------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|------------------|-------------------|
| BHL (Snake #3H) | - plan hits target center | 0.00          | 360.00       | 4,329.00 | 3,969.21   | 11.00      | 622,047.00    | 377,218.10   | 32° 42' 34.089 N | 104° 43' 57.049 W |
|                 | - Point                   |               |              |          |            |            |               |              |                  |                   |

## WELL DETAILS: Snake 31 State #3H

|       |       |           |               |                  |                   |           |
|-------|-------|-----------|---------------|------------------|-------------------|-----------|
| +N/-S | +E/-W | Northing  | Ground Level: | 4062.70          |                   |           |
| 0.00  | 0.00  | 618077.80 | Easting       | 377207.10        | Latitude          | Longitude |
|       |       |           |               | 32° 41' 54.812 N | 104° 43' 57.003 W | Slot      |

## SECTION DETAILS

| Sec | MD      | Inc   | Azi  | TVD     | +N/-S   | +E/-W | DLeg  | TFactor | Target  | Sec |
|-----|---------|-------|------|---------|---------|-------|-------|---------|---------|-----|
| 1   | 0.00    | 0.00  | 0.00 | 0.00    | 0.00    | 0.00  | 0.00  | 0.00    | 0.00    |     |
| 2   | 3933.00 | 0.00  | 0.00 | 3933.00 | 0.00    | 0.00  | 0.00  | 0.00    | 0.00    |     |
| 3   | 4690.12 | 90.00 | 0.16 | 4415.00 | 482.00  | 1.35  | 11.89 | 0.16    | 482.00  |     |
| 4   | 5690.12 | 90.00 | 0.16 | 4415.00 | 1481.99 | 4.14  | 0.00  | 0.00    | 1482.00 |     |
| 5   | 5757.03 | 92.01 | 0.16 | 4413.83 | 1548.89 | 4.32  | 3.00  | -0.06   | 1548.90 |     |
| 6   | 8178.60 | 92.01 | 0.16 | 4329.01 | 3968.96 | 11.00 | 0.00  | 0.00    | 3968.97 |     |
| 7   | 8178.85 | 92.00 | 0.16 | 4329.00 | 3969.21 | 11.00 | 0.00  | 0.00    | 3969.22 |     |

