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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

HOBBS OCD

FORM C-102

Revised August 1, 2011

APR 21 2015 Submit one copy to appropriate

District Office

RECEIVED ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                          |                                                   |                                                |
|------------------------------------------|---------------------------------------------------|------------------------------------------------|
| <sup>1</sup> API Number<br>30-025- 42520 | <sup>2</sup> Pool Code<br>17980                   | <sup>3</sup> Pool Name<br>Dogie Draw; Wolfcamp |
| <sup>4</sup> Property Code<br>314769     | <sup>5</sup> Property Name<br>WHEATFIELD 16 STATE | <sup>6</sup> Well Number<br>#701H              |
| <sup>7</sup> GRID No.<br>7377            | <sup>8</sup> Operator Name<br>EOG RESOURCES, INC. | <sup>9</sup> Elevation<br>3243'                |

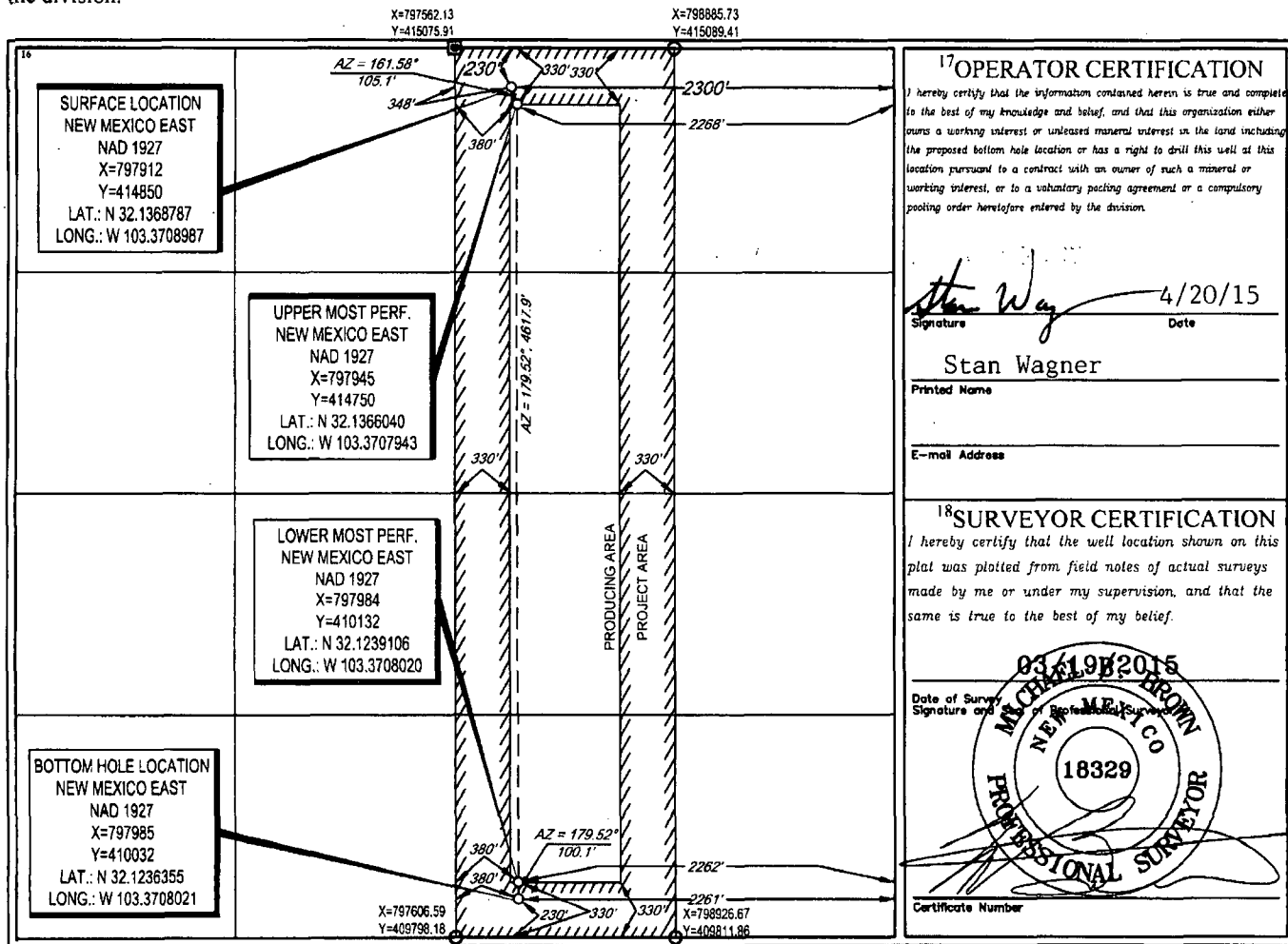
<sup>10</sup>Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B             | 16      | 25-S     | 35-E  | -       | 230'          | NORTH            | 2300'         | EAST           | LEA    |

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0             | 16      | 25-S     | 35-E  | -       | 230'          | SOUTH            | 2261'         | EAST           | LEA    |

|                                         |                               |                                  |                         |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>160.00 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> 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.



S:\SURVEY\EOG\_MIDLAND\WHEATFIELD\_16\_STATE\FINAL\_PRODUCT\SILO\_WHEATFIELD16STATE\_701H\_REV1.DWG 4/10/2015 12:33:04 PM ccaaton

APR 22 2015

**Permit Information:**

Well Name: Wheatfield 16 State No. 701H

Location:

SL: 230' FNL &amp; 2300' FEL, Section 16, T-25-S, R-35-E, Lea Co., N.M.

BHL: 230' FSL &amp; 2261' FEL, Section 16, T-25-S, R-35-E, Lea Co., N.M.

**Casing Program:**

| Hole Size | Interval        | Csg OD  | Weight | Grade   | Conn | DF <sub>min</sub> Collapse | DF <sub>min</sub> Burst | DF <sub>min</sub> Tension |
|-----------|-----------------|---------|--------|---------|------|----------------------------|-------------------------|---------------------------|
| 17.5"     | 0 – 800'        | 13.375" | 54.5#  | J55     | STC  | 1.125                      | 1.25                    | 1.60                      |
| 12.25"    | 0-4,000'        | 9.625"  | 40#    | J55     | LTC  | 1.125                      | 1.25                    | 1.60                      |
| 12.25"    | 4,000' – 5,200' | 9.625"  | 40#    | HCK55   | LTC  | 1.125                      | 1.25                    | 1.60                      |
| 8.75"     | 0'-17,197'      | 5.5"    | 17#    | HCP-110 | BTC  | 1.125                      | 1.25                    | 1.60                      |

**Cement Program:**

| Depth   | No. Sacks | Wt. ppg | Yld Ft <sup>3</sup> /ft | Slurry Description                                                                                                                   |
|---------|-----------|---------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 800     | 400       | 13.5    | 1.73                    | Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl <sub>2</sub> + 0.25 lb/sk Cello-Flake (TOC @ Surface)                              |
|         | 300       | 14.8    | 1.34                    | Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate                                                             |
| 5,200'  | 1000      | 12.7    | 2.22                    | Lead: Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ surface) |
|         | 200       | 14.8    | 1.32                    | Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free                                                                   |
| 17,197' | 775       | 9.0     | 2.79                    | Lead: LiteCRETE + 0.10% D-065 + 0.20% D-046 + 0.40% D-167 + 0.20% D-198 + 0.04% D-208 + 2.0% D-174 (TOC @ 4,700')                    |
|         | 2100      | 14.4    | 1.28                    | Tail: Class H + 47.01 pps D-909 + 37.01 pps + 5.0% D-020 + 0.30% D-013 + 0.20% D-046 + 0.10% D-065 + 0.50% D-167 + 2.0% D-174        |

**Mud Program:**

| Depth                        | Type        | Weight (ppg) | Viscosity | Water Loss |
|------------------------------|-------------|--------------|-----------|------------|
| 0 – 800'                     | Fresh - Gel | 8.6-8.8      | 28-34     | N/c        |
| 800' – 5,200'                | Oil Base    | 8.7-9.4      | 58-68     | N/c - 6    |
| 5,200' – 11,855'             | Oil Base    | 8.7-9.4      | 58-68     | N/c - 6    |
| 11,855' – 17,197'<br>Lateral | Oil Base    | 9.0-9.5      | 58-68     | N/c - 6    |

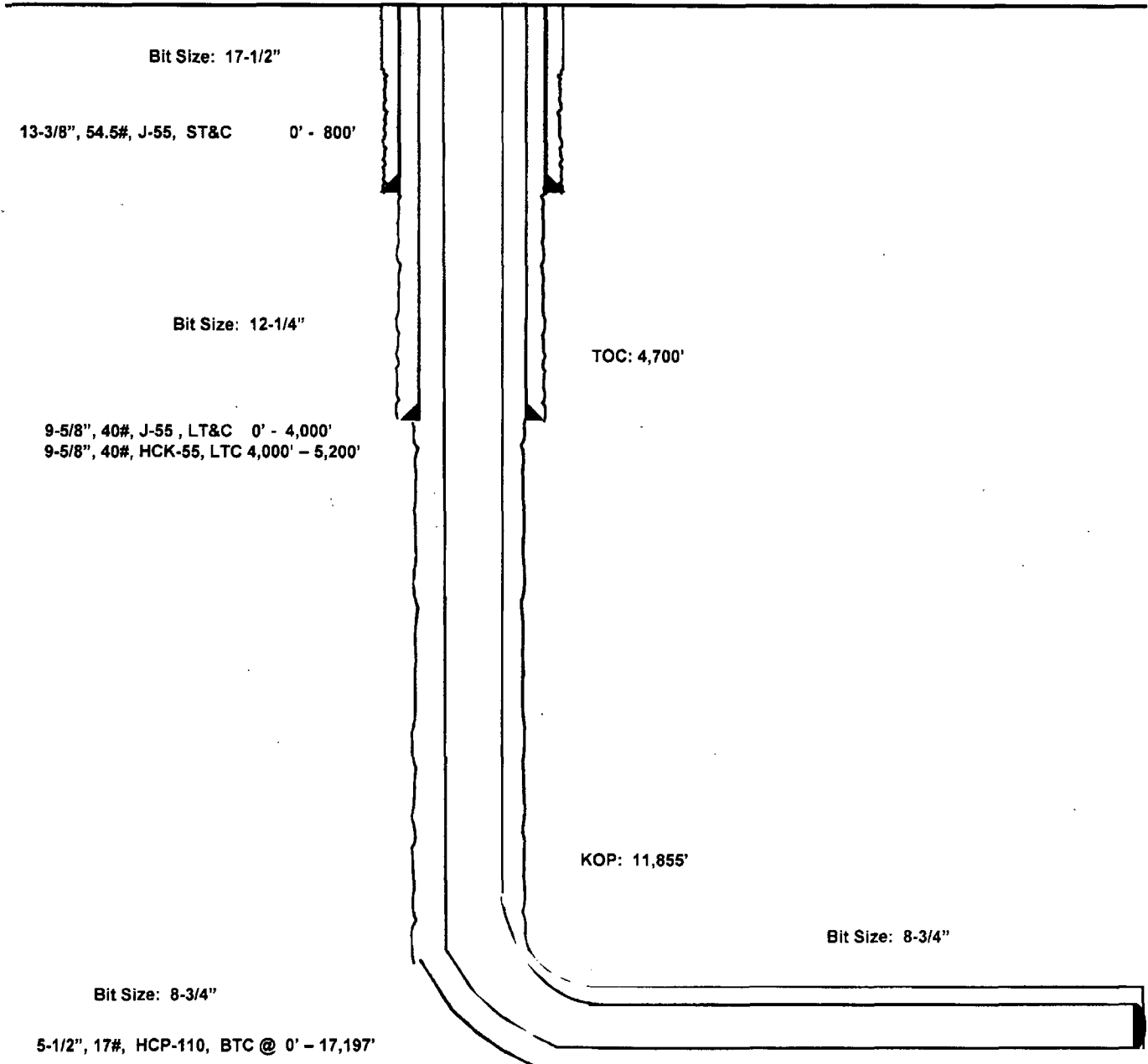
Wheatfield 16 State #701H

Lea County, New Mexico  
Proposed Wellbore

230' FNL  
2300' FEL  
Section 16  
T-25-S, R-35-E

API: 30-025-

KB: 3,268'  
GL: 3,243'



Lateral: 17,197' MD, 12,440' TVD

BH Location: 230' FSL & 2261' FEL  
Section 16  
T-25-S, R-35-E



Lea County, NM (NAD 27 NME)

Wheatfield 16 State #701H

H&P 653

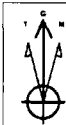
Plan #1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

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

WELL DETAILS: #701H

Ground Level: 3243.0  
KB = 25 @ 3258 Gush (H&P 653)  
Northing: 414850.00 Easting: 797912.00 Latitude: 32° 8' 12.769 N Longitude: 103° 22' 15.232 W  
System Datum: Mean Sea Level



Azimuths to Grid North  
True North: -0.51°  
Magnetic North: 6.58°  
Magnetic Field  
Strength: 48131.8 nT  
Dip Angle: 60.04°  
Date: 4/17/2019  
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.58°  
To convert a Magnetic Direction to a True Direction, Add 7.09° East  
To convert a True Direction to a Grid Direction, Subtract 0.51°

#### SECTION DETAILS

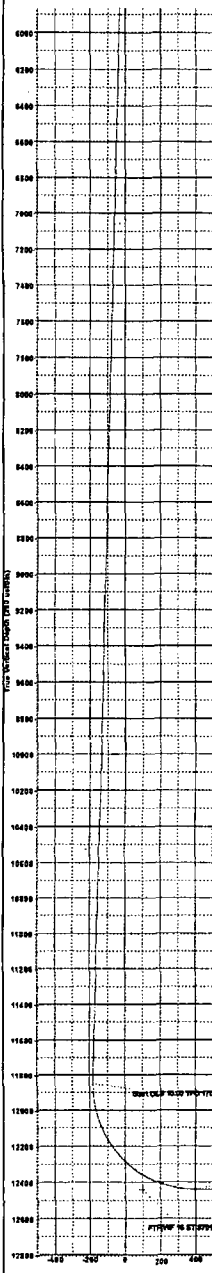
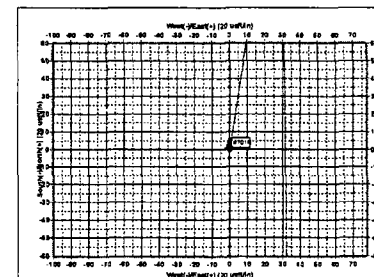
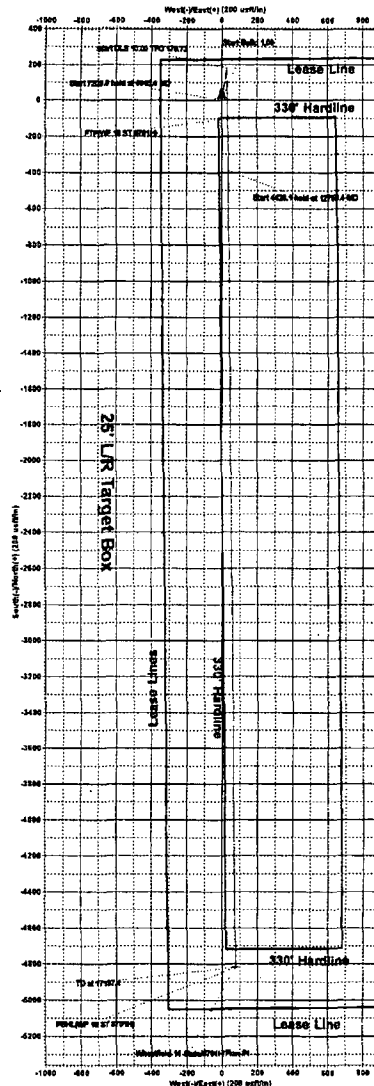
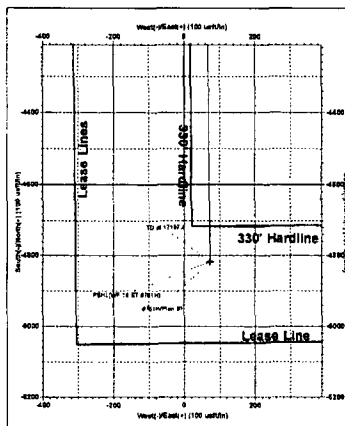
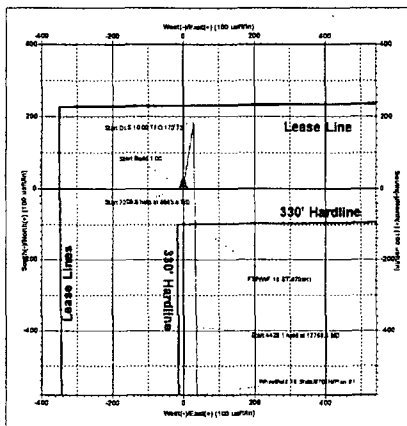
| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W | Dieg  | TFace  | VSeet  | Target               |
|-----|---------|-------|--------|---------|---------|-------|-------|--------|--------|----------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0     | 0.0     | 0.0   | 0.00  | 0.00   | 0.0    |                      |
| 2   | 4500.0  | 0.00  | 0.00   | 4500.0  | 0.0     | 0.0   | 0.00  | 0.00   | 0.0    |                      |
| 3   | 4645.4  | 1.45  | 8.78   | 4645.4  | 1.8     | 0.3   | 1.00  | 8.78   | -1.8   |                      |
| 4   | 11855.0 | 1.45  | 8.78   | 11852.7 | 182.6   | 28.2  | 0.00  | 0.00   | -182.2 |                      |
| 5   | 12769.4 | 90.00 | 179.51 | 12440.0 | -390.1  | 35.5  | 10.00 | 170.73 | 390.6  |                      |
| 6   | 17197.4 | 90.00 | 179.51 | 12440.0 | -4818.0 | 73.0  | 0.00  | 0.00   | 4818.6 | PBHL(WF 16 ST #701H) |

#### CASING DETAILS

No casing data available

#### WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                 | TVD     | +N/-S   | +E/-W | Northing  | Easting   |
|----------------------|---------|---------|-------|-----------|-----------|
| FTPWF 16 ST #701H    | 12440.0 | -100.0  | 33.0  | 414760.00 | 797948.00 |
| PBHL(WF 16 ST #701H) | 12440.0 | -4818.0 | 73.0  | 410032.00 | 797985.00 |



Vertical Section at 179.51° (200 uTM)



## **EOG Resources - Midland**

**Lea County, NM (NAD 27 NME)**

**Wheatfield 16 State**

**#701H**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**17 April, 2015**



# EOG Resources, Inc.

## Planning Report

**Database:** EDM 5000.1 Single User Db  
**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 27 NME)  
**Site:** Wheatfield 16 State  
**Well:** #701H  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well #701H  
**TVD Reference:** KB = 25 @ 3268.0usft (H&P 653)  
**MD Reference:** KB = 25 @ 3268.0usft (H&P 653)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD 27 NME)          |                      |                |
| <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>                  | Wheatfield 16 State |                     |                 |                                     |
| <b>Site Position:</b>        |                     | <b>Northing:</b>    | 414,850.00 usft | <b>Latitude:</b> 32° 8' 12.769 N    |
| <b>From:</b>                 | Map                 | <b>Easting:</b>     | 797,912.00 usft | <b>Longitude:</b> 103° 22' 15.232 W |
| <b>Position Uncertainty:</b> | 0.0 usft            | <b>Slot Radius:</b> | 13-3/16 "       | <b>Grid Convergence:</b> 0.51 °     |

|                             |          |                            |                  |                                   |
|-----------------------------|----------|----------------------------|------------------|-----------------------------------|
| <b>Well</b>                 | #701H    |                            |                  |                                   |
| <b>Well Position</b>        | +N/-S    | 0.0 usft                   | <b>Northing:</b> | 414,850.00 usft                   |
|                             | +E/-W    | 0.0 usft                   | <b>Easting:</b>  | 797,912.00 usft                   |
| <b>Position Uncertainty</b> | 0.0 usft | <b>Wellhead Elevation:</b> | 0.0 usft         | <b>Ground Level:</b> 3,243.0 usft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2015          | 4/17/2015          | 7.09                   | 60.04                | 48,132                     |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #1                        |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 0.0                            | 0.0                 | 0.0                  | 179.13               |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                    |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target             |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 4,500.0               | 0.00            | 0.00        | 4,500.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 4,645.4               | 1.45            | 8.78        | 4,645.4               | 1.8          | 0.3          | 1.00                    | 1.00                   | 0.00                  | 8.78    |                    |
| 11,855.0              | 1.45            | 8.78        | 11,852.7              | 182.6        | 28.2         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 12,769.4              | 90.00           | 179.51      | 12,440.0              | -390.1       | 35.5         | 10.00                   | 9.68                   | 18.67                 | 170.73  |                    |
| 17,197.4              | 90.00           | 179.51      | 12,440.0              | -4,818.0     | 73.0         | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL(WF 16 ST #70) |



# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 27 NME)  
 Site: Wheatfield 16 State  
 Well: #701H  
 Wellbore: OH  
 Design: Plan #1

Local Co-ordinate Reference: Well #701H  
 TVD Reference: KB = 25 @ 3268.0usft (H&P 653)  
 MD Reference: KB = 25 @ 3268.0usft (H&P 653)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature

### Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 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                  |
| 4,400.0               | 0.00            | 0.00        | 4,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 0.00            | 0.00        | 4,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 1.00            | 8.78        | 4,600.0               | 0.9          | 0.1          | -0.9                    | 1.00                    | 1.00                   | 0.00                  |
| 4,645.4               | 1.45            | 8.78        | 4,645.4               | 1.8          | 0.3          | -1.8                    | 1.00                    | 1.00                   | 0.00                  |
| 4,700.0               | 1.45            | 8.78        | 4,700.0               | 3.2          | 0.5          | -3.2                    | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 1.45            | 8.78        | 4,799.9               | 5.7          | 0.9          | -5.7                    | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 1.45            | 8.78        | 4,899.9               | 8.2          | 1.3          | -8.2                    | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 1.45            | 8.78        | 4,999.9               | 10.7         | 1.7          | -10.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 1.45            | 8.78        | 5,099.8               | 13.2         | 2.0          | -13.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 1.45            | 8.78        | 5,199.8               | 15.7         | 2.4          | -15.7                   | 0.00                    | 0.00                   | 0.00                  |



# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 27 NME)  
Site: Wheatfield 16 State  
Well: #701H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #701H  
TVD Reference: KB = 25 @ 3268.0usft (H&P 653)  
MD Reference: KB = 25 @ 3268.0usft (H&P 653)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

### Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,300.0               | 1.45            | 8.78        | 5,299.8               | 18.2         | 2.8          | -18.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0               | 1.45            | 8.78        | 5,399.7               | 20.7         | 3.2          | -20.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0               | 1.45            | 8.78        | 5,499.7               | 23.3         | 3.6          | -23.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0               | 1.45            | 8.78        | 5,599.7               | 25.8         | 4.0          | -25.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0               | 1.45            | 8.78        | 5,699.6               | 28.3         | 4.4          | -28.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0               | 1.45            | 8.78        | 5,799.6               | 30.8         | 4.8          | -30.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0               | 1.45            | 8.78        | 5,899.6               | 33.3         | 5.1          | -33.2                   | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0               | 1.45            | 8.78        | 5,999.5               | 35.8         | 5.5          | -35.7                   | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0               | 1.45            | 8.78        | 6,099.5               | 38.3         | 5.9          | -38.2                   | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0               | 1.45            | 8.78        | 6,199.5               | 40.8         | 6.3          | -40.7                   | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0               | 1.45            | 8.78        | 6,299.5               | 43.3         | 6.7          | -43.2                   | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0               | 1.45            | 8.78        | 6,399.4               | 45.8         | 7.1          | -45.7                   | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0               | 1.45            | 8.78        | 6,499.4               | 48.3         | 7.5          | -48.2                   | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0               | 1.45            | 8.78        | 6,599.4               | 50.8         | 7.9          | -50.7                   | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0               | 1.45            | 8.78        | 6,699.3               | 53.4         | 8.2          | -53.2                   | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0               | 1.45            | 8.78        | 6,799.3               | 55.9         | 8.6          | -55.7                   | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0               | 1.45            | 8.78        | 6,899.3               | 58.4         | 9.0          | -58.2                   | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0               | 1.45            | 8.78        | 6,999.2               | 60.9         | 9.4          | -60.7                   | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0               | 1.45            | 8.78        | 7,099.2               | 63.4         | 9.8          | -63.2                   | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0               | 1.45            | 8.78        | 7,199.2               | 65.9         | 10.2         | -65.7                   | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0               | 1.45            | 8.78        | 7,299.1               | 68.4         | 10.6         | -68.2                   | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0               | 1.45            | 8.78        | 7,399.1               | 70.9         | 10.9         | -70.7                   | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0               | 1.45            | 8.78        | 7,499.1               | 73.4         | 11.3         | -73.2                   | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0               | 1.45            | 8.78        | 7,599.0               | 75.9         | 11.7         | -75.7                   | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0               | 1.45            | 8.78        | 7,699.0               | 78.4         | 12.1         | -78.2                   | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0               | 1.45            | 8.78        | 7,799.0               | 80.9         | 12.5         | -80.7                   | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0               | 1.45            | 8.78        | 7,898.9               | 83.4         | 12.9         | -83.2                   | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0               | 1.45            | 8.78        | 7,998.9               | 86.0         | 13.3         | -85.7                   | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0               | 1.45            | 8.78        | 8,098.9               | 88.5         | 13.7         | -88.2                   | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0               | 1.45            | 8.78        | 8,198.8               | 91.0         | 14.0         | -90.7                   | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0               | 1.45            | 8.78        | 8,298.8               | 93.5         | 14.4         | -93.2                   | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0               | 1.45            | 8.78        | 8,398.8               | 96.0         | 14.8         | -95.7                   | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0               | 1.45            | 8.78        | 8,498.7               | 98.5         | 15.2         | -98.3                   | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0               | 1.45            | 8.78        | 8,598.7               | 101.0        | 15.6         | -100.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0               | 1.45            | 8.78        | 8,698.7               | 103.5        | 16.0         | -103.3                  | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0               | 1.45            | 8.78        | 8,798.6               | 106.0        | 16.4         | -105.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0               | 1.45            | 8.78        | 8,898.6               | 108.5        | 16.8         | -108.3                  | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0               | 1.45            | 8.78        | 8,998.6               | 111.0        | 17.1         | -110.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0               | 1.45            | 8.78        | 9,098.5               | 113.5        | 17.5         | -113.3                  | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0               | 1.45            | 8.78        | 9,198.5               | 116.0        | 17.9         | -115.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,300.0               | 1.45            | 8.78        | 9,298.5               | 118.6        | 18.3         | -118.3                  | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0               | 1.45            | 8.78        | 9,398.5               | 121.1        | 18.7         | -120.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0               | 1.45            | 8.78        | 9,498.4               | 123.6        | 19.1         | -123.3                  | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0               | 1.45            | 8.78        | 9,598.4               | 126.1        | 19.5         | -125.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0               | 1.45            | 8.78        | 9,698.4               | 128.6        | 19.9         | -128.3                  | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0               | 1.45            | 8.78        | 9,798.3               | 131.1        | 20.2         | -130.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 1.45            | 8.78        | 9,898.3               | 133.6        | 20.6         | -133.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 1.45            | 8.78        | 9,998.3               | 136.1        | 21.0         | -135.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 1.45            | 8.78        | 10,098.2              | 138.6        | 21.4         | -138.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 1.45            | 8.78        | 10,198.2              | 141.1        | 21.8         | -140.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 1.45            | 8.78        | 10,298.2              | 143.6        | 22.2         | -143.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 1.45            | 8.78        | 10,398.1              | 146.1        | 22.6         | -145.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 1.45            | 8.78        | 10,498.1              | 148.7        | 23.0         | -148.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 1.45            | 8.78        | 10,598.1              | 151.2        | 23.3         | -150.8                  | 0.00                    | 0.00                   | 0.00                  |





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## Planning Report

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### Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 10,700.0              | 1.45            | 8.78        | 10,698.0              | 153.7        | 23.7         | -153.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 1.45            | 8.78        | 10,798.0              | 156.2        | 24.1         | -155.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0              | 1.45            | 8.78        | 10,898.0              | 158.7        | 24.5         | -158.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0              | 1.45            | 8.78        | 10,997.9              | 161.2        | 24.9         | -160.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0              | 1.45            | 8.78        | 11,097.9              | 163.7        | 25.3         | -163.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0              | 1.45            | 8.78        | 11,197.9              | 166.2        | 25.7         | -165.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0              | 1.45            | 8.78        | 11,297.8              | 168.7        | 26.1         | -168.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0              | 1.45            | 8.78        | 11,397.8              | 171.2        | 26.4         | -170.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0              | 1.45            | 8.78        | 11,497.8              | 173.7        | 26.8         | -173.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0              | 1.45            | 8.78        | 11,597.7              | 176.2        | 27.2         | -175.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0              | 1.45            | 8.78        | 11,697.7              | 178.7        | 27.6         | -178.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 1.45            | 8.78        | 11,797.7              | 181.3        | 28.0         | -180.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,855.0              | 1.45            | 8.78        | 11,852.7              | 182.6        | 28.2         | -182.2                  | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 3.07            | 175.14      | 11,897.6              | 182.0        | 28.4         | -181.5                  | 10.00                   | 3.59                   | 369.99                |
| 11,950.0              | 8.06            | 177.86      | 11,947.4              | 177.2        | 28.6         | -176.7                  | 10.00                   | 9.99                   | 5.43                  |
| 12,000.0              | 13.06           | 178.51      | 11,996.5              | 168.0        | 28.9         | -167.5                  | 10.00                   | 10.00                  | 1.29                  |
| 12,050.0              | 18.06           | 178.80      | 12,044.7              | 154.6        | 29.2         | -154.1                  | 10.00                   | 10.00                  | 0.58                  |
| 12,100.0              | 23.06           | 178.96      | 12,091.5              | 137.0        | 29.6         | -136.6                  | 10.00                   | 10.00                  | 0.34                  |
| 12,150.0              | 28.06           | 179.08      | 12,136.6              | 115.5        | 29.9         | -115.0                  | 10.00                   | 10.00                  | 0.22                  |
| 12,200.0              | 33.06           | 179.15      | 12,179.6              | 90.1         | 30.3         | -89.6                   | 10.00                   | 10.00                  | 0.16                  |
| 12,250.0              | 38.06           | 179.22      | 12,220.3              | 61.0         | 30.7         | -60.5                   | 10.00                   | 10.00                  | 0.12                  |
| 12,300.0              | 43.06           | 179.26      | 12,258.2              | 28.5         | 31.2         | -28.0                   | 10.00                   | 10.00                  | 0.10                  |
| 12,350.0              | 48.06           | 179.30      | 12,293.2              | -7.2         | 31.6         | 7.7                     | 10.00                   | 10.00                  | 0.08                  |
| 12,400.0              | 53.06           | 179.34      | 12,325.0              | -45.8        | 32.1         | 46.3                    | 10.00                   | 10.00                  | 0.07                  |
| 12,450.0              | 58.06           | 179.37      | 12,353.3              | -87.0        | 32.5         | 87.5                    | 10.00                   | 10.00                  | 0.06                  |
| 12,500.0              | 63.06           | 179.40      | 12,377.8              | -130.5       | 33.0         | 131.0                   | 10.00                   | 10.00                  | 0.05                  |
| FTP(WF 16 ST #701H)   |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,550.0              | 68.06           | 179.42      | 12,398.5              | -176.0       | 33.5         | 176.5                   | 10.00                   | 10.00                  | 0.05                  |
| 12,600.0              | 73.06           | 179.44      | 12,415.1              | -223.2       | 33.9         | 223.7                   | 10.00                   | 10.00                  | 0.05                  |
| 12,650.0              | 78.06           | 179.46      | 12,427.6              | -271.6       | 34.4         | 272.1                   | 10.00                   | 10.00                  | 0.04                  |
| 12,700.0              | 83.06           | 179.49      | 12,435.8              | -320.9       | 34.9         | 321.4                   | 10.00                   | 10.00                  | 0.04                  |
| 12,750.0              | 88.06           | 179.51      | 12,439.7              | -370.7       | 35.3         | 371.2                   | 10.00                   | 10.00                  | 0.04                  |
| 12,769.4              | 90.00           | 179.51      | 12,440.0              | -390.1       | 35.5         | 390.6                   | 10.00                   | 10.00                  | 0.04                  |
| 12,800.0              | 90.00           | 179.51      | 12,440.0              | -420.7       | 35.7         | 421.2                   | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0              | 90.00           | 179.51      | 12,440.0              | -520.7       | 36.6         | 521.2                   | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0              | 90.00           | 179.51      | 12,440.0              | -620.7       | 37.4         | 621.2                   | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 90.00           | 179.51      | 12,440.0              | -720.7       | 38.3         | 721.2                   | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0              | 90.00           | 179.51      | 12,440.0              | -820.7       | 39.1         | 821.2                   | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 90.00           | 179.51      | 12,440.0              | -920.7       | 40.0         | 921.2                   | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.00           | 179.51      | 12,440.0              | -1,020.7     | 40.8         | 1,021.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.00           | 179.51      | 12,440.0              | -1,120.7     | 41.7         | 1,121.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.00           | 179.51      | 12,440.0              | -1,220.7     | 42.5         | 1,221.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.00           | 179.51      | 12,440.0              | -1,320.7     | 43.3         | 1,321.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.00           | 179.51      | 12,440.0              | -1,420.7     | 44.2         | 1,421.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.00           | 179.51      | 12,440.0              | -1,520.7     | 45.0         | 1,521.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.00           | 179.51      | 12,440.0              | -1,620.7     | 45.9         | 1,621.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.00           | 179.51      | 12,440.0              | -1,720.7     | 46.7         | 1,721.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.00           | 179.51      | 12,440.0              | -1,820.7     | 47.6         | 1,821.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.00           | 179.51      | 12,440.0              | -1,920.7     | 48.4         | 1,921.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.00           | 179.51      | 12,440.0              | -2,020.7     | 49.3         | 2,021.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.00           | 179.51      | 12,440.0              | -2,120.7     | 50.1         | 2,121.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.00           | 179.51      | 12,440.0              | -2,220.7     | 51.0         | 2,221.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.00           | 179.51      | 12,440.0              | -2,320.6     | 51.8         | 2,321.2                 | 0.00                    | 0.00                   | 0.00                  |



**EOG Resources, Inc.**  
Planning Report

**Database:** EDM 5000.1 Single User Db  
**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 27 NME)  
**Site:** Wheatfield 16 State  
**Well:** #701H  
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**Local Co-ordinate Reference:** Well #701H  
**TVD Reference:** KB = 25 @ 3268.0usft (H&P 653)  
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**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 14,800.0              | 90.00           | 179.51      | 12,440.0              | -2,420.6     | 52.7         | 2,421.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.00           | 179.51      | 12,440.0              | -2,520.6     | 53.5         | 2,521.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.00           | 179.51      | 12,440.0              | -2,620.6     | 54.4         | 2,621.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.00           | 179.51      | 12,440.0              | -2,720.6     | 55.2         | 2,721.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.00           | 179.51      | 12,440.0              | -2,820.6     | 56.1         | 2,821.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.00           | 179.51      | 12,440.0              | -2,920.6     | 56.9         | 2,921.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.00           | 179.51      | 12,440.0              | -3,020.6     | 57.8         | 3,021.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.00           | 179.51      | 12,440.0              | -3,120.6     | 58.6         | 3,121.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.00           | 179.51      | 12,440.0              | -3,220.6     | 59.5         | 3,221.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.00           | 179.51      | 12,440.0              | -3,320.6     | 60.3         | 3,321.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.00           | 179.51      | 12,440.0              | -3,420.6     | 61.2         | 3,421.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.00           | 179.51      | 12,440.0              | -3,520.6     | 62.0         | 3,521.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.00           | 179.51      | 12,440.0              | -3,620.6     | 62.8         | 3,621.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.00           | 179.51      | 12,440.0              | -3,720.6     | 63.7         | 3,721.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.00           | 179.51      | 12,440.0              | -3,820.6     | 64.5         | 3,821.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.00           | 179.51      | 12,440.0              | -3,920.6     | 65.4         | 3,921.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.00           | 179.51      | 12,440.0              | -4,020.6     | 66.2         | 4,021.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.00           | 179.51      | 12,440.0              | -4,120.6     | 67.1         | 4,121.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.00           | 179.51      | 12,440.0              | -4,220.6     | 67.9         | 4,221.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.00           | 179.51      | 12,440.0              | -4,320.6     | 68.8         | 4,321.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.00           | 179.51      | 12,440.0              | -4,420.6     | 69.6         | 4,421.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.00           | 179.51      | 12,440.0              | -4,520.6     | 70.5         | 4,521.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.00           | 179.51      | 12,440.0              | -4,620.6     | 71.3         | 4,621.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.00           | 179.51      | 12,440.0              | -4,720.6     | 72.2         | 4,721.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,197.4              | 90.00           | 179.51      | 12,440.0              | -4,818.0     | 73.0         | 4,818.6                 | 0.00                    | 0.00                   | 0.00                  |

PBHL(WF 16 ST #701H)

**Design Targets**

| Target Name                                                                                                                 | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude        | Longitude         |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|-------------------|
| PBHL(WF 16 ST #701H)<br>- hit/miss target<br>- Shape<br>- Point                                                             | 0.00          | 0.00         | 12,440.0   | -4,818.0     | 73.0         | 410,032.00      | 797,985.00     | 32° 7' 25.087 N | 103° 22' 14.883 W |
| FTP(WF 16 ST #701H)<br>- plan misses target center by 69.3usft at 12500.0usft MD (12377.8 TVD, -130.5 N, 33.0 E)<br>- Point | 0.00          | 0.00         | 12,440.0   | -100.0       | 33.0         | 414,750.00      | 797,945.00     | 32° 8' 11.776 N | 103° 22' 14.858 W |

**EOG RESOURCES, INC.**  
**WHEATFIELD 16 STATE #701H**

**Hydrogen Sulfide Plan Summary**

- A. All personnel shall receive proper H<sub>2</sub>S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:
  - Well control equipment
    - a. Flare line 150' from wellhead to be ignited by flare gun.
    - b. Choke manifold with a remotely operated choke.
    - c. Mud/gas separator
  - Protective equipment for essential personnel.

Breathing apparatus:

    - a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
    - b. Work/Escape packs —4 packs shall be stored on the rig floor th sufficient air hose not to restrict work activity.
    - c. Emergency Escape Packs —4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

    - a. Stretcher
    - b. Two OSHA full body harness
    - c. 100 ft 5/8 inch OSHA approved rope
    - d. 1-20# class ABC fire extinguisher
  - H<sub>2</sub>S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.  
(Gas sample tubes will be stored in the safety trailer)
  - Visual warning systems.
    - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
    - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
    - c. Two wind socks will be placed in strategic locations, visible from all angles.

**EOG RESOURCES, INC.**  
**WHEATFIELD 16 STATE #701H**

- **Mud program:**  
The mud program has been designed to minimize the volume of H<sub>2</sub>S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H<sub>2</sub>S bearing zones.
- **Metallurgy:**  
All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H<sub>2</sub>S service.
- **Communication:**  
Communication will be via cell phones and land lines where available.

**EOG RESOURCES, INC.**  
**WHEATFIELD 16 STATE #701H**

**Emergency Assistance Telephone List**

**PUBLIC SAFETY:** **911 or**

Lea County Sheriff's Department (575) 396-3611

Rod Coffman

Fire Department:

Carlsbad (575) 885-3125

Artesia (575) 746-5050

Hospitals:

Carlsbad (575) 887-4121

Artesia (575) 748-3333

Hobbs (575) 392-1979

Dept. of Public Safety/Carlsbad (575) 748-9718

Highway Department (575) 885-3281

New Mexico Oil Conservation (575) 476-3440

U.S. Dept. of Labor (575) 887-1174

**EOG Resources, Inc.**

EOG / Midland Office (432) 686-3600

**Company Drilling Consultants:**

Jett Ducitt Cell (432) 230-4840

Blake Burney

**Drilling Engineer**

Robert Brosig Office (432) 686-3737

Cell (432) 770-0705

**Drilling Manager**

Heath Work Office (432) 686-6716

Cell (903) 780-1179

**Drilling Superintendent**

Jason Richey Office (432) 686-3665

Cell (817) 879-6521

**H&P Drilling**

H&P Drilling Office (432) 563-5757

H&P 415 Drilling Rig Rig (432) 230-4840

**Tool Pusher:**

Johnathan Craig Cell (817) 760-6374

Brad Garrett

**Safety**

Reggie Phillips (HSE Manager) Office (432) 686-3747

Cell (432) 250-7507