

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                                 |                                                          |                                                                |
|-------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------|
| <sup>1</sup> API Number<br>30-025- <b>43153</b> | <sup>2</sup> Pool Code<br>98097                          | <sup>3</sup> Pool Name<br>WC-025 G-09 S263327G; Upper Wolfcamp |
| <sup>4</sup> Property Code<br>316008            | <sup>5</sup> Property Name<br><b>BRASWELL 16 STATE</b>   | <sup>6</sup> Well Number<br><b>#708H</b>                       |
| <sup>7</sup> OGRID No.<br>7377                  | <sup>8</sup> Operator Name<br><b>EOG RESOURCES, INC.</b> | <sup>9</sup> Elevation<br><b>3273'</b>                         |

<sup>10</sup>Surface Location

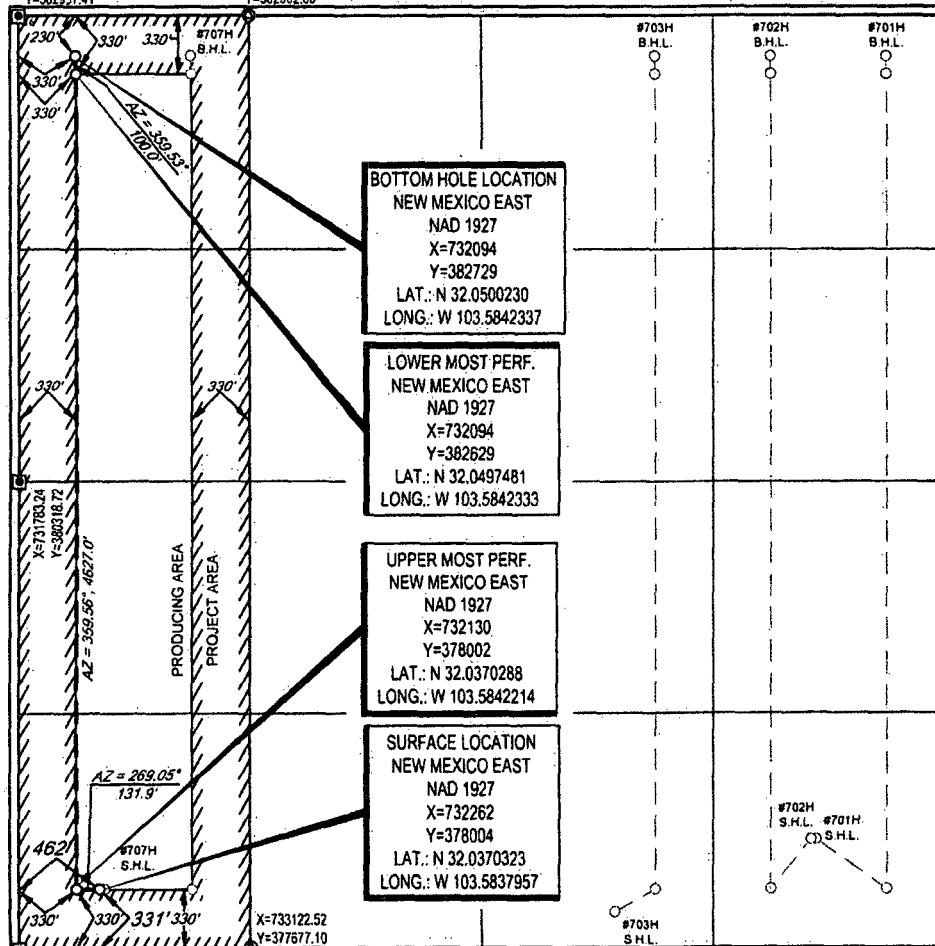
| UL or lot no. | Section   | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|-----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>M</b>      | <b>16</b> | <b>26-S</b> | <b>33-E</b> | <b>-</b> | <b>331'</b>   | <b>SOUTH</b>     | <b>462'</b>   | <b>WEST</b>    | <b>LEA</b> |

| UL or lot no. | Section   | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|-----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>D</b>      | <b>16</b> | <b>26-S</b> | <b>33-E</b> | <b>-</b> | <b>230'</b>   | <b>NORTH</b>     | <b>330'</b>   | <b>WEST</b>    | <b>LEA</b> |

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>11</sup> Dedicated Acres<br><b>160.00</b> | <sup>12</sup> Joint or Infill | <sup>13</sup> Consolidation Code | <sup>14</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.

X=731761.78  
Y=382957.41  
X=733083.50  
Y=382962.80



<sup>17</sup>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 undivided 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.

*Stan Wagner* 4/12/16  
Signature Date

Stan Wagner  
Printed Name

E-mail Address

<sup>18</sup>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 to the best of my belief.

04/07/2016  
Date of Survey  
Signature and Seal of Professional Surveyor

**MICHAEL J. BROWN**  
NEW MEXICO  
18329  
PROFESSIONAL SURVEYOR

Certificate Number

**Permit Information:**

Well Name: Braswell 16 State No. 708H

**Location:**

SL: 331' FSL &amp; 462' FWL, Section 16, T-26-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL &amp; 330' FWL, Section 16, T-26-S, R-33-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 |
|-----------|------------------|--------|--------|---------|----------|----------------------------|-------------------------|---------------------------|
| 14.75"    | 0 - 875'         | 10.75" | 40.5#  | J55     | STC      | 1.125                      | 1.25                    | 1.60                      |
| 9.875"    | 0-8,000'         | 7.625" | 29.7#  | HCP-110 | LTC      | 1.125                      | 1.25                    | 1.60                      |
| 8.75"     | 8,000' - 10,900' | 7.625" | 29.7#  | HCP-110 | Ultra FJ | 1.125                      | 1.25                    | 1.60                      |
| 6.75"     | 0'-17,123'       | 5.5"   | 23#    | HCP-110 | JFE Bear | 1.125                      | 1.25                    | 1.60                      |

**Cement Program:**

| Depth   | No. Sacks | Wt. ppg | Yld Ft <sup>3</sup> /ft | Slurry Description                                                                                      |
|---------|-----------|---------|-------------------------|---------------------------------------------------------------------------------------------------------|
| 875'    | 375       | 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) |
|         | 200       | 14.8    | 1.34                    | Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate                                |
| 10,900' | 750       | 9.0     | 2.50                    | Class C + 0.6% ASM-3 + 0.15% CDF-4P + 0.6% LTR + 0.5% SCA-6 + 0.13 pps LCL-11 + 0.13 pps LDP-c-0215     |
|         | 500       | 12.5    | 1.71                    | Class C + 0.6% LTR + 0.5% SCA-6 + 0.6% ASM-3 + 0.15% CDF-4P + 0.13% LCL-11 + 0.13% LCF-7                |
|         | 250       | 15.6    | 1.19                    | Class H + 0.2% ASM-3 + 0.3% SCA-6 + 0.65% LTR + 0.3% SPC-2                                              |
| 17,123' | 575       | 14.2    | 1.31                    | Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17                                          |

**Mud Program:**

| Depth                        | Type        | Weight (ppg) | Viscosity | Water Loss |
|------------------------------|-------------|--------------|-----------|------------|
| 0 - 875'                     | Fresh - Gel | 8.6-8.8      | 28-34     | N/c        |
| 875' - 10,900'               | Brine       | 8.8-10.0     | 28-34     | N/c        |
| 10,900' - 11,825'            | Oil Base    | 8.7-9.4      | 58-68     | N/c - 6    |
| 11,825' - 17,123'<br>Lateral | Oil Base    | 9.0-9.5      | 58-68     | N/c - 6    |

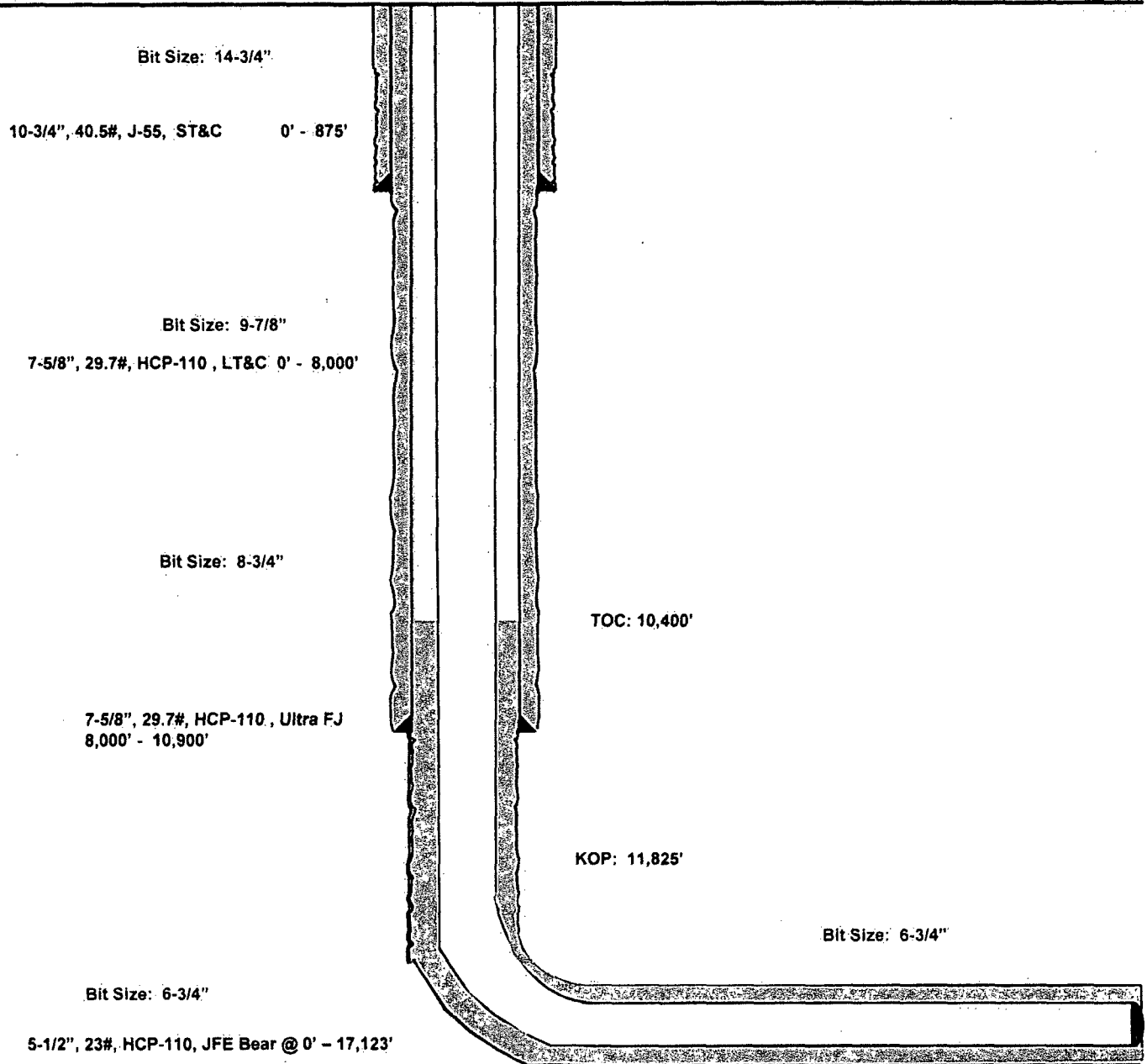
**Braswell 16 State #708H**

**Lea County, New Mexico  
Proposed Wellbore**

**331' FSL  
462' FWL  
Section 16  
T-26-S, R-33-E**

**API: 30-025-\*\*\*\*\***

**KB: 3,298'  
GL: 3,273'**



**Lateral: 17,123' MD, 12,315' TVD**

**BH Location: 230' FNL & 330' FWL  
Section 16  
T-26-S, R-33-E**



Lea County, NM (NAD 27 NME)

Braswell 16 State #708H

Plan #0.1



Azimuths to Grid North  
True North: -0.40°  
Magnetic North: 8.68°  
Magnetic Field  
Strength: 47947.9enT  
Dip Angle: 59.80°  
Date: 6/11/2016  
Model: IGRF2016

To convert a Magnetic Direction to a Grid Direction, Add 8.68°  
To convert a Magnetic Direction to a True Direction, Add 7.07° East  
To convert a True Direction to a Grid Direction, Subtract 0.40°

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

Geodetic System: US State Plane 1987 (Exact solution)  
Datum: NAD 1987 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico East 3001  
System Datum: Mean Sea Level

WELL DETAILS: #708H

Ground Level: 3273.0  
KB = 25 @ 3298.0usft  
Northing: 376904.00  
Easting: 732262.00  
Latitude: 32° 3' 13.318 N  
Longitude: 103° 35' 1.684 W

#### SECTION DETAILS

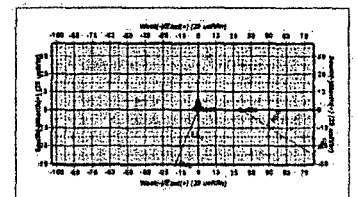
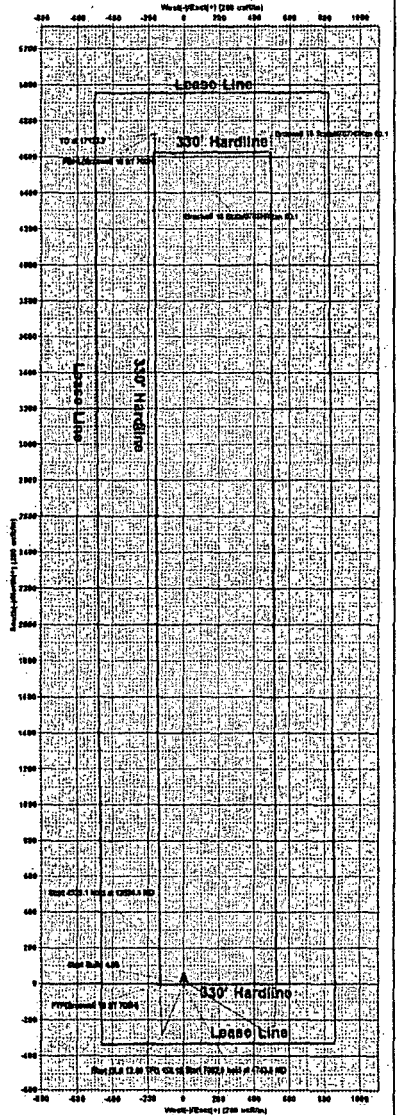
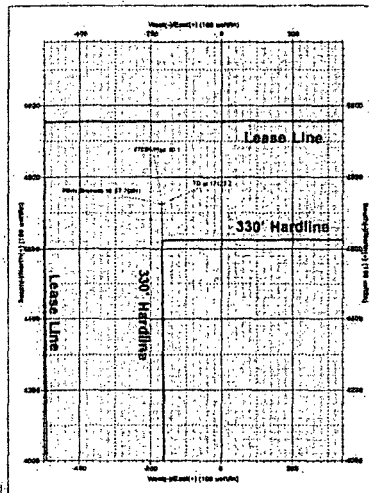
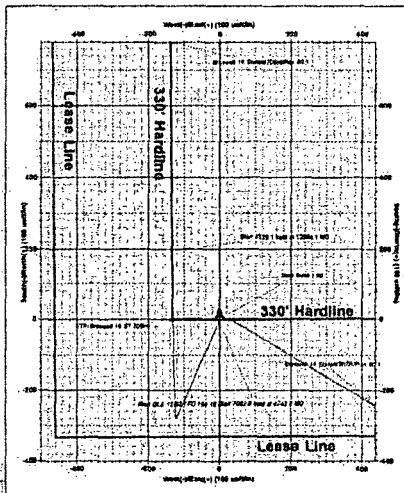
| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W  | Diag  | TFace  | VSecl  | Target                    |
|-----|---------|-------|--------|---------|---------|--------|-------|--------|--------|---------------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0     | 0.0     | 0.0    | 0.00  | 0.00   | 0.0    |                           |
| 2   | 4500.0  | 0.00  | 0.00   | 4500.0  | 0.0     | 0.0    | 0.00  | 0.00   | 0.0    |                           |
| 3   | 4743.5  | 2.44  | 203.36 | 4743.4  | -4.8    | -2.1   | 1.00  | 203.36 | -4.7   |                           |
| 4   | 11825.5 | 2.44  | 203.36 | 11819.0 | -281.0  | -121.4 | 0.00  | 0.00   | -276.5 |                           |
| 5   | 12594.1 | 90.00 | 359.56 | 12315.0 | 196.0   | -133.5 | 12.00 | 156.18 | 200.7  |                           |
| 6   | 17123.2 | 90.00 | 359.56 | 12315.0 | -4725.0 | -168.0 | 0.00  | 0.00   | 4728.0 | PBHL(Braswell 16 ST 708H) |

#### CASING DETAILS

No casing data is available

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

| Name                      | TVD     | +N/-S  | +E/-W  | Northing  | Easting   |
|---------------------------|---------|--------|--------|-----------|-----------|
| PBHL(Braswell 16 ST 708H) | 12315.0 | 4725.0 | -168.0 | 382729.00 | 732096.00 |
| FTP(Braswell 16 ST 708H)  | 12315.0 | -3.0   | -132.0 | 376903.00 | 732190.00 |





## **EOG Resources - Midland**

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

**Braswell 16 State**

**#708H**

**OH**

**Plan: Plan #0.1**

## **Standard Planning Report**

**11 April, 2016**



# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 27 NME)  
 Site: Braswell 16 State  
 Well: #708H  
 Wellbore: OH  
 Design: Plan #0.1

Local Co-ordinate Reference: Well #708H  
 TVD Reference: KB = 25 @ 3298.0usft  
 MD Reference: KB = 25 @ 3298.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature

Project: Lea County, NM (NAD 27 NME)

Map System: US State Plane 1927 (Exact solution)  
 Geo Datum: NAD 1927 (NADCON CONUS)  
 Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site: Braswell 16 State

Site Position: Northing: 378,303.00 usft Latitude: 32° 2' 15.991 N  
 From: Map Easting: 736,347.00 usft Longitude: 103° 34' 14.187 W  
 Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.40 °

Well: #708H

Well Position: +N/-S -299.0 usft Northing: 378,004.00 usft Latitude: 32° 2' 13.316 N  
 +E/-W -4,085.0 usft Easting: 732,262.00 usft Longitude: 103° 35' 1.666 W  
 Position Uncertainty: 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,273.0 usft

Wellbore: OH

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
|           | IGRF2015   | 4/11/2016   | 7.07            | 59.90         | 47,948              |

Design: Plan #0.1

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.0

| Vertical Section | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
|------------------|-------------------------|--------------|--------------|---------------|
|                  | 0.0                     | 0.0          | 0.0          | 357.96        |

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    |                     |
| 4,743.5               | 2.44            | 203.36      | 4,743.4               | -4.8         | -2.1         | 1.00                    | 1.00                   | 0.00                  | 203.36  |                     |
| 11,825.5              | 2.44            | 203.36      | 11,819.0              | -281.0       | -121.4       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 12,594.1              | 90.00           | 359.56      | 12,315.0              | 196.0        | -133.5       | 12.00                   | 11.39                  | 20.32                 | 156.18  |                     |
| 17,123.2              | 90.00           | 359.56      | 12,315.0              | 4,725.0      | -168.0       | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL(Braswell 16 ST |



# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 27 NME)  
 Site: Braswell 16 State  
 Well: #708H  
 Wellbore: OH  
 Design: Plan #0.1

Local Co-ordinate Reference: Well #708H  
 TVD Reference: KB = 25 @ 3298.0usft  
 MD Reference: KB = 25 @ 3298.0usft  
 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            | 203.36      | 4,600.0               | -0.8        | -0.3        | -0.8                    | 1.00                    | 1.00                   | 0.00                  |
| 4,700.0               | 2.00            | 203.36      | 4,700.0               | -3.2        | -1.4        | -3.2                    | 1.00                    | 1.00                   | 0.00                  |
| 4,743.5               | 2.44            | 203.36      | 4,743.4               | -4.8        | -2.1        | -4.7                    | 1.00                    | 1.00                   | 0.00                  |
| 4,800.0               | 2.44            | 203.36      | 4,789.9               | -7.0        | -3.0        | -6.8                    | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 2.44            | 203.36      | 4,889.8               | -10.9       | -4.7        | -10.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 2.44            | 203.36      | 4,999.7               | -14.8       | -6.4        | -14.5                   | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 2.44            | 203.36      | 5,099.6               | -18.7       | -8.1        | -18.4                   | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 2.44            | 203.36      | 5,199.5               | -22.6       | -9.7        | -22.2                   | 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: Braswell 16 State  
Well: #708H  
Wellbore: OH  
Design: Plan #0.1

Local Co-ordinate Reference:  
TVD Reference: KB = 25 @ 3298.0usft  
MD Reference: KB = 25 @ 3298.0usft  
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               | 2.44            | 203.36      | 5,299.4               | -26.5        | -11.4        | -26.0                   | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0               | 2.44            | 203.36      | 5,399.3               | -30.4        | -13.1        | -29.9                   | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0               | 2.44            | 203.36      | 5,499.2               | -34.3        | -14.8        | -33.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0               | 2.44            | 203.36      | 5,599.2               | -38.2        | -16.5        | -37.5                   | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0               | 2.44            | 203.36      | 5,699.1               | -42.1        | -18.2        | -41.4                   | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0               | 2.44            | 203.36      | 5,799.0               | -46.0        | -19.9        | -45.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0               | 2.44            | 203.36      | 5,898.9               | -49.9        | -21.5        | -49.1                   | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0               | 2.44            | 203.36      | 5,998.8               | -53.8        | -23.2        | -52.9                   | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0               | 2.44            | 203.36      | 6,098.7               | -57.7        | -24.9        | -56.7                   | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0               | 2.44            | 203.36      | 6,198.6               | -61.6        | -26.6        | -60.6                   | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0               | 2.44            | 203.36      | 6,298.5               | -65.5        | -28.3        | -64.4                   | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0               | 2.44            | 203.36      | 6,398.4               | -69.4        | -30.0        | -68.3                   | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0               | 2.44            | 203.36      | 6,498.3               | -73.3        | -31.6        | -72.1                   | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0               | 2.44            | 203.36      | 6,598.3               | -77.2        | -33.3        | -75.9                   | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0               | 2.44            | 203.36      | 6,698.2               | -81.1        | -35.0        | -79.8                   | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0               | 2.44            | 203.36      | 6,798.1               | -85.0        | -36.7        | -83.6                   | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0               | 2.44            | 203.36      | 6,898.0               | -88.9        | -38.4        | -87.4                   | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0               | 2.44            | 203.36      | 6,997.9               | -92.8        | -40.1        | -91.3                   | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0               | 2.44            | 203.36      | 7,097.8               | -96.7        | -41.8        | -95.1                   | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0               | 2.44            | 203.36      | 7,197.7               | -100.6       | -43.4        | -99.0                   | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0               | 2.44            | 203.36      | 7,297.6               | -104.5       | -45.1        | -102.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0               | 2.44            | 203.36      | 7,397.5               | -108.4       | -46.8        | -106.6                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0               | 2.44            | 203.36      | 7,497.4               | -112.3       | -48.5        | -110.5                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0               | 2.44            | 203.36      | 7,597.3               | -116.2       | -50.2        | -114.3                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0               | 2.44            | 203.36      | 7,697.3               | -120.1       | -51.9        | -118.2                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0               | 2.44            | 203.36      | 7,797.2               | -124.0       | -53.5        | -122.0                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0               | 2.44            | 203.36      | 7,897.1               | -127.9       | -55.2        | -125.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0               | 2.44            | 203.36      | 7,997.0               | -131.8       | -56.9        | -129.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0               | 2.44            | 203.36      | 8,096.9               | -135.7       | -58.6        | -133.5                  | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0               | 2.44            | 203.36      | 8,196.8               | -139.6       | -60.3        | -137.3                  | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0               | 2.44            | 203.36      | 8,296.7               | -143.5       | -62.0        | -141.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0               | 2.44            | 203.36      | 8,396.6               | -147.4       | -63.7        | -145.0                  | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0               | 2.44            | 203.36      | 8,496.5               | -151.3       | -65.3        | -148.9                  | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0               | 2.44            | 203.36      | 8,596.4               | -155.2       | -67.0        | -152.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0               | 2.44            | 203.36      | 8,696.4               | -159.1       | -68.7        | -156.5                  | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0               | 2.44            | 203.36      | 8,796.3               | -163.0       | -70.4        | -160.4                  | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0               | 2.44            | 203.36      | 8,896.2               | -166.9       | -72.1        | -164.2                  | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0               | 2.44            | 203.36      | 8,996.1               | -170.8       | -73.8        | -168.1                  | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0               | 2.44            | 203.36      | 9,096.0               | -174.7       | -75.4        | -171.9                  | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0               | 2.44            | 203.36      | 9,195.9               | -178.6       | -77.1        | -175.7                  | 0.00                    | 0.00                   | 0.00                  |
| 9,300.0               | 2.44            | 203.36      | 9,295.8               | -182.5       | -78.8        | -179.6                  | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0               | 2.44            | 203.36      | 9,395.7               | -186.4       | -80.5        | -183.4                  | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0               | 2.44            | 203.36      | 9,495.6               | -190.3       | -82.2        | -187.2                  | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0               | 2.44            | 203.36      | 9,595.5               | -194.2       | -83.9        | -191.1                  | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0               | 2.44            | 203.36      | 9,695.5               | -198.1       | -85.6        | -194.9                  | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0               | 2.44            | 203.36      | 9,795.4               | -202.0       | -87.2        | -198.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 2.44            | 203.36      | 9,895.3               | -205.9       | -88.9        | -202.6                  | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 2.44            | 203.36      | 9,995.2               | -209.8       | -90.6        | -206.4                  | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 2.44            | 203.36      | 10,095.1              | -213.7       | -92.3        | -210.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 2.44            | 203.36      | 10,195.0              | -217.6       | -94.0        | -214.1                  | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 2.44            | 203.36      | 10,294.9              | -221.5       | -95.7        | -217.9                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 2.44            | 203.36      | 10,394.8              | -225.4       | -97.3        | -221.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 2.44            | 203.36      | 10,494.7              | -229.3       | -99.0        | -225.6                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 2.44            | 203.36      | 10,594.6              | -233.2       | -100.7       | -229.5                  | 0.00                    | 0.00                   | 0.00                  |



# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
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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) |
|--------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 10,700.0                 | 2.44            | 203.38      | 10,694.5              | -237.1       | -102.4       | -233.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0                 | 2.44            | 203.38      | 10,794.5              | -241.0       | -104.1       | -237.1                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0                 | 2.44            | 203.36      | 10,894.4              | -244.9       | -105.8       | -241.0                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0                 | 2.44            | 203.36      | 10,994.3              | -248.8       | -107.5       | -244.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0                 | 2.44            | 203.36      | 11,094.2              | -252.7       | -109.1       | -248.7                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0                 | 2.44            | 203.36      | 11,194.1              | -256.6       | -110.8       | -252.5                  | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0                 | 2.44            | 203.38      | 11,294.0              | -260.5       | -112.5       | -256.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0                 | 2.44            | 203.38      | 11,393.9              | -264.4       | -114.2       | -260.2                  | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0                 | 2.44            | 203.36      | 11,493.8              | -268.3       | -115.9       | -264.0                  | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0                 | 2.44            | 203.36      | 11,593.7              | -272.2       | -117.6       | -267.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0                 | 2.44            | 203.36      | 11,693.6              | -276.1       | -119.3       | -271.7                  | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0                 | 2.44            | 203.36      | 11,793.6              | -280.0       | -120.9       | -275.5                  | 0.00                    | 0.00                   | 0.00                  |
| 11,825.5                 | 2.44            | 203.36      | 11,819.0              | -281.0       | -121.4       | -276.5                  | 0.00                    | 0.00                   | 0.00                  |
| 11,850.0                 | 1.21            | 305.41      | 11,843.5              | -281.3       | -121.8       | -276.8                  | 12.00                   | -4.98                  | 416.79                |
| 11,875.0                 | 3.84            | 344.74      | 11,868.5              | -280.4       | -122.2       | -275.8                  | 12.00                   | 10.50                  | 157.33                |
| 11,900.0                 | 6.78            | 351.27      | 11,893.4              | -278.1       | -122.7       | -273.6                  | 12.00                   | 11.77                  | 26.09                 |
| 11,925.0                 | 9.76            | 353.84      | 11,918.1              | -274.5       | -123.1       | -270.0                  | 12.00                   | 11.91                  | 10.28                 |
| 11,950.0                 | 12.75           | 355.21      | 11,942.6              | -269.7       | -123.6       | -265.1                  | 12.00                   | 11.95                  | 5.50                  |
| 11,975.0                 | 15.74           | 356.07      | 11,966.9              | -263.5       | -124.0       | -259.0                  | 12.00                   | 11.97                  | 3.44                  |
| 12,000.0                 | 18.74           | 356.66      | 11,990.7              | -256.1       | -124.5       | -251.6                  | 12.00                   | 11.98                  | 2.36                  |
| 12,025.0                 | 21.73           | 357.10      | 12,014.2              | -247.5       | -125.0       | -242.9                  | 12.00                   | 11.99                  | 1.73                  |
| 12,050.0                 | 24.73           | 357.43      | 12,037.2              | -237.7       | -125.4       | -233.1                  | 12.00                   | 11.99                  | 1.33                  |
| 12,075.0                 | 27.73           | 357.69      | 12,059.6              | -226.6       | -125.9       | -222.0                  | 12.00                   | 11.99                  | 1.06                  |
| 12,100.0                 | 30.72           | 357.91      | 12,081.4              | -214.4       | -126.4       | -209.8                  | 12.00                   | 11.99                  | 0.87                  |
| 12,125.0                 | 33.72           | 358.09      | 12,102.6              | -201.1       | -126.8       | -196.5                  | 12.00                   | 11.99                  | 0.73                  |
| 12,150.0                 | 36.72           | 358.25      | 12,123.0              | -186.7       | -127.3       | -182.1                  | 12.00                   | 11.99                  | 0.62                  |
| 12,175.0                 | 39.72           | 358.38      | 12,142.6              | -171.2       | -127.8       | -168.6                  | 12.00                   | 12.00                  | 0.54                  |
| 12,200.0                 | 42.72           | 358.50      | 12,161.4              | -154.8       | -128.2       | -150.1                  | 12.00                   | 12.00                  | 0.47                  |
| 12,225.0                 | 45.72           | 358.60      | 12,179.3              | -137.3       | -128.6       | -132.7                  | 12.00                   | 12.00                  | 0.42                  |
| 12,250.0                 | 48.72           | 358.70      | 12,196.3              | -119.0       | -129.1       | -114.3                  | 12.00                   | 12.00                  | 0.38                  |
| 12,275.0                 | 51.72           | 358.79      | 12,212.3              | -99.8        | -129.5       | -95.1                   | 12.00                   | 12.00                  | 0.35                  |
| 12,300.0                 | 54.72           | 358.87      | 12,227.3              | -79.8        | -129.9       | -75.1                   | 12.00                   | 12.00                  | 0.32                  |
| 12,325.0                 | 57.72           | 358.94      | 12,241.2              | -59.0        | -130.3       | -54.3                   | 12.00                   | 12.00                  | 0.30                  |
| 12,350.0                 | 60.71           | 359.01      | 12,254.0              | -37.5        | -130.7       | -32.9                   | 12.00                   | 12.00                  | 0.28                  |
| 12,375.0                 | 63.71           | 359.08      | 12,265.6              | -15.4        | -131.1       | -10.8                   | 12.00                   | 12.00                  | 0.26                  |
| 12,400.0                 | 66.71           | 359.14      | 12,276.1              | 7.3          | -131.4       | 11.9                    | 12.00                   | 12.00                  | 0.25                  |
| 12,405.8                 | 67.42           | 359.15      | 12,278.4              | 12.6         | -131.5       | 17.3                    | 12.00                   | 12.00                  | 0.24                  |
| FTP(Braswell 16 ST 708H) |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,425.0                 | 69.71           | 359.20      | 12,285.4              | 30.5         | -131.7       | 35.1                    | 12.00                   | 12.00                  | 0.24                  |
| 12,450.0                 | 72.71           | 359.28      | 12,293.4              | 54.1         | -132.1       | 58.8                    | 12.00                   | 12.00                  | 0.23                  |
| 12,475.0                 | 75.71           | 359.31      | 12,300.2              | 78.2         | -132.4       | 82.8                    | 12.00                   | 12.00                  | 0.22                  |
| 12,500.0                 | 78.71           | 359.37      | 12,305.8              | 102.6        | -132.6       | 107.2                   | 12.00                   | 12.00                  | 0.22                  |
| 12,525.0                 | 81.71           | 359.42      | 12,310.0              | 127.2        | -132.9       | 131.8                   | 12.00                   | 12.00                  | 0.21                  |
| 12,550.0                 | 84.71           | 359.47      | 12,313.0              | 152.0        | -133.1       | 156.6                   | 12.00                   | 12.00                  | 0.21                  |
| 12,575.0                 | 87.71           | 359.52      | 12,314.6              | 177.0        | -133.4       | 181.6                   | 12.00                   | 12.00                  | 0.21                  |
| 12,594.1                 | 90.00           | 359.56      | 12,315.0              | 196.0        | -133.5       | 200.7                   | 12.00                   | 12.00                  | 0.21                  |
| 12,600.0                 | 90.00           | 359.56      | 12,315.0              | 201.9        | -133.6       | 206.6                   | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0                 | 90.00           | 359.56      | 12,315.0              | 301.9        | -134.3       | 306.5                   | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0                 | 90.00           | 359.56      | 12,315.0              | 401.9        | -135.1       | 406.5                   | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0                 | 90.00           | 359.56      | 12,315.0              | 501.9        | -135.8       | 506.5                   | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0                 | 90.00           | 359.56      | 12,315.0              | 601.9        | -136.6       | 606.4                   | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0                 | 90.00           | 359.56      | 12,315.0              | 701.9        | -137.4       | 706.4                   | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0                 | 90.00           | 359.56      | 12,315.0              | 801.9        | -138.1       | 806.3                   | 0.00                    | 0.00                   | 0.00                  |



# EOG Resources, Inc.

## Planning Report

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Site: Braswell 16 State  
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| 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 13,300.0              | 90.00           | 359.56      | 12,315.0              | 901.9        | -138.9       | 906.3                   | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.00           | 359.56      | 12,315.0              | 1,001.9      | -139.6       | 1,006.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.00           | 359.56      | 12,315.0              | 1,101.9      | -140.4       | 1,106.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.00           | 359.56      | 12,315.0              | 1,201.9      | -141.2       | 1,206.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.00           | 359.56      | 12,315.0              | 1,301.9      | -141.9       | 1,306.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.00           | 359.56      | 12,315.0              | 1,401.9      | -142.7       | 1,406.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.00           | 359.56      | 12,315.0              | 1,501.9      | -143.5       | 1,506.1                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.00           | 359.56      | 12,315.0              | 1,601.9      | -144.2       | 1,606.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.00           | 359.56      | 12,315.0              | 1,701.9      | -145.0       | 1,706.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.00           | 359.56      | 12,315.0              | 1,801.9      | -145.7       | 1,805.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.00           | 359.56      | 12,315.0              | 1,901.9      | -146.5       | 1,905.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.00           | 359.56      | 12,315.0              | 2,001.9      | -147.3       | 2,005.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.00           | 359.56      | 12,315.0              | 2,101.9      | -148.0       | 2,105.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.00           | 359.56      | 12,315.0              | 2,201.9      | -148.8       | 2,205.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.00           | 359.56      | 12,315.0              | 2,301.9      | -149.5       | 2,305.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.00           | 359.56      | 12,315.0              | 2,401.9      | -150.3       | 2,405.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.00           | 359.56      | 12,315.0              | 2,501.9      | -151.1       | 2,505.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.00           | 359.56      | 12,315.0              | 2,601.9      | -151.8       | 2,605.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.00           | 359.56      | 12,315.0              | 2,701.9      | -152.6       | 2,705.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.00           | 359.56      | 12,315.0              | 2,801.9      | -153.4       | 2,805.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.00           | 359.56      | 12,315.0              | 2,901.9      | -154.1       | 2,905.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.00           | 359.56      | 12,315.0              | 3,001.9      | -154.9       | 3,005.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.00           | 359.56      | 12,315.0              | 3,101.9      | -155.6       | 3,105.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.00           | 359.56      | 12,315.0              | 3,201.9      | -156.4       | 3,205.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.00           | 359.56      | 12,315.0              | 3,301.9      | -157.2       | 3,305.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.00           | 359.56      | 12,315.0              | 3,401.9      | -157.9       | 3,405.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.00           | 359.56      | 12,315.0              | 3,501.9      | -158.7       | 3,505.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.00           | 359.56      | 12,315.0              | 3,601.9      | -159.4       | 3,605.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.00           | 359.56      | 12,315.0              | 3,701.8      | -160.2       | 3,705.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.00           | 359.56      | 12,315.0              | 3,801.8      | -161.0       | 3,805.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.00           | 359.56      | 12,315.0              | 3,901.8      | -161.7       | 3,905.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.00           | 359.56      | 12,315.0              | 4,001.8      | -162.5       | 4,005.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.00           | 359.56      | 12,315.0              | 4,101.8      | -163.3       | 4,105.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.00           | 359.56      | 12,315.0              | 4,201.8      | -164.0       | 4,205.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.00           | 359.56      | 12,315.0              | 4,301.8      | -164.8       | 4,305.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.00           | 359.56      | 12,315.0              | 4,401.8      | -165.5       | 4,404.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.00           | 359.56      | 12,315.0              | 4,501.8      | -166.3       | 4,504.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.00           | 359.56      | 12,315.0              | 4,601.8      | -167.1       | 4,604.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.00           | 359.56      | 12,315.0              | 4,701.8      | -167.8       | 4,704.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,123.2              | 90.00           | 359.56      | 12,315.0              | 4,725.0      | -168.0       | 4,728.0                 | 0.00                    | 0.00                   | 0.00                  |

PBHL(Braswell 16 ST 708H)



# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 27 NME)  
 Site: Braswell 16 State  
 Well: #708H  
 Wellbore: OH  
 Design: Plan #0.1

Local Co-ordinate Reference: Well #708H  
 TVD Reference: KB = 25 @ 3298.0usft  
 MD Reference: KB = 25 @ 3298.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature

### Design Targets

| Target Name<br>- hit/miss target<br>- Shape                                                                                     | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude        | Longitude        |
|---------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------------|------------------|
| PBHL(Braswell 16 ST 7)<br>- plan hits target center<br>- Point                                                                  | 0.00             | 0.00            | 12,315.0      | 4,725.0         | -168.0          | 382,729.00         | 732,094.00        | 32° 3' 0.085 N  | 103° 35' 3.237 W |
| FTP(Braswell 16 ST 708)<br>- plan misses target center by 39.4usft at 12405.8usft MD (12278.4 TVD, 12.6 N, -131.5 E)<br>- Point | 0.00             | 0.00            | 12,315.0      | -2.0            | -132.0          | 378,002.00         | 732,130.00        | 32° 2' 13.305 N | 103° 35' 3.200 W |

**EOG RESOURCES, INC.  
BRASWELL 16 STATE #708H**

**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/Escapes packs — 4 packs shall be stored on the rig floor with 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.**  
**BRASWELL 16 STATE #708H**

- **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.  
BRASWELL 16 STATE #708H**

**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:**

David Dominique Cell (985) 518-5839

Mike Vann Cell (817) 980-5507

**Drilling Engineer**

Kirby Castille Office (432) 686-3657

Cell (432) 559-4987

**Drilling Manager**

Heath Work Office (432) 686-6716

Cell (903) 780-1179

**Drilling Superintendent**

Jason Fitzgerald Office (432) 848-9029

Cell (318) 347-3916

**H&P Drilling**

H&P Drilling Office (432) 563-5757

H&P 651 Drilling Rig Rig (903) 509-7131

**Tool Pusher:**

Johnathan Craig Cell (817) 760-6374

Brad Garrett

**Safety**

Brian Chandler (HSE Manager) Office (432) 686-3695

Cell (817) 239-0251