

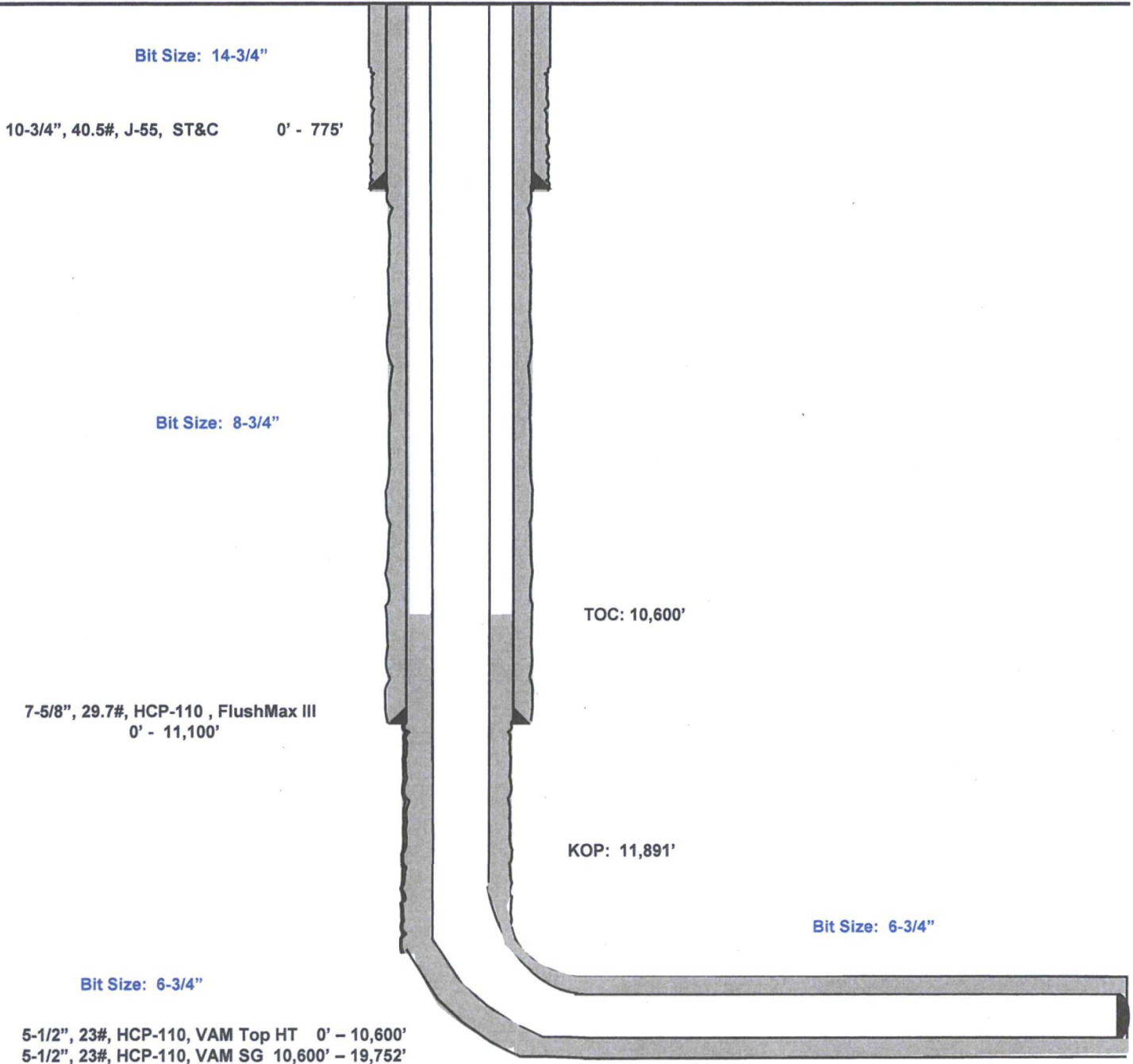
Rattlesnake 28 Fed Com #707H

758' FNL  
1965' FWL  
Section 28  
T-26-S, R-33-E

Lea County, New Mexico  
Proposed Wellbore

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

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



Lateral: 19,752' MD, 12,375' TVD  
Upper Most Perf:  
330' FNL & 1651' FWL Sec. 28  
Lower Most Perf:  
330' FSL & 1649' FWL Sec. 33  
BH Location: 230' FSL & 1648' FWL  
Section 33  
T-26-S, R-33-E

HOBBS OCD

JAN 03 2017

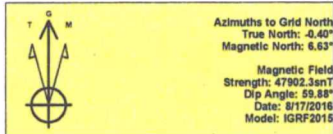
RECEIVED



Lea County, NM (NAD 27 NME)

Rattlesnake 28 Fed Com #707H

Plan #0.1



Azimuths to Grid North  
True North: -0.40°  
Magnetic North: 6.63°

Magnetic Field  
Strength: 47902.3nT  
Dip Angle: 59.88°  
Date: 8/17/2016  
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.63°  
To convert a Magnetic Direction to a True Direction, Add 7.03° 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 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico East 3001  
System Datum: Mean Sea Level

WELL DETAILS: #707H

Ground Level: 3243.0  
KB = 25' @ 3288.0usft  
Northing: 371646.00 Easting: 733813.00 Latitude: 32° 1' 10.291 N Longitude: 103° 34' 44.165 W

## SECTION DETAILS

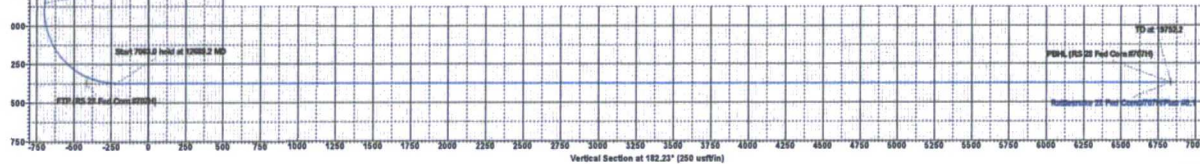
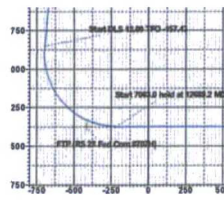
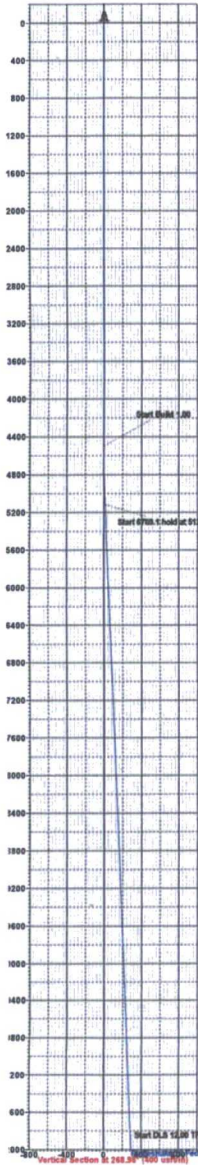
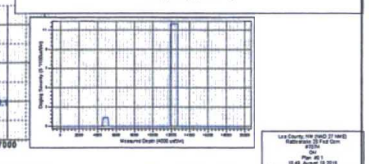
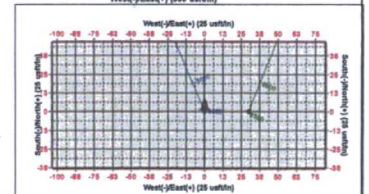
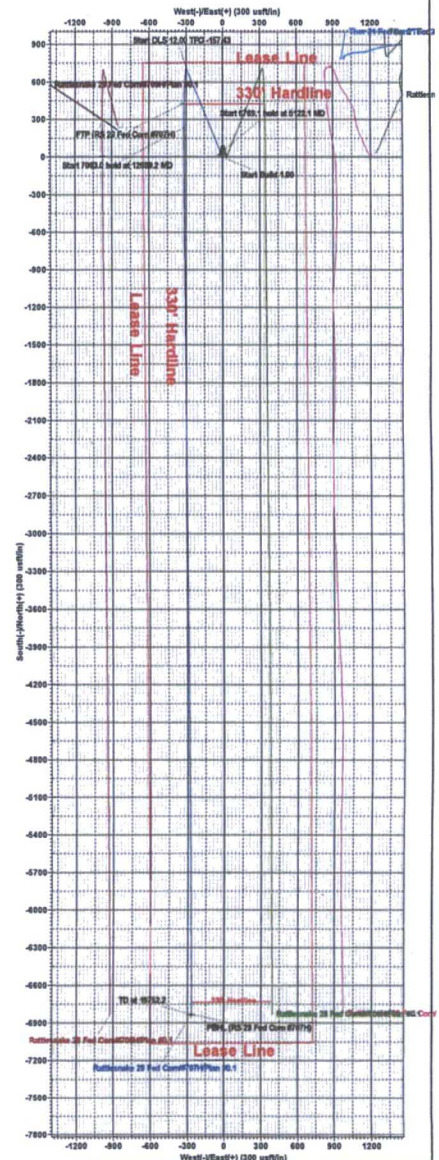
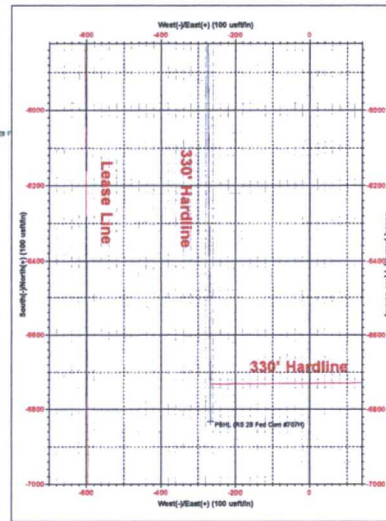
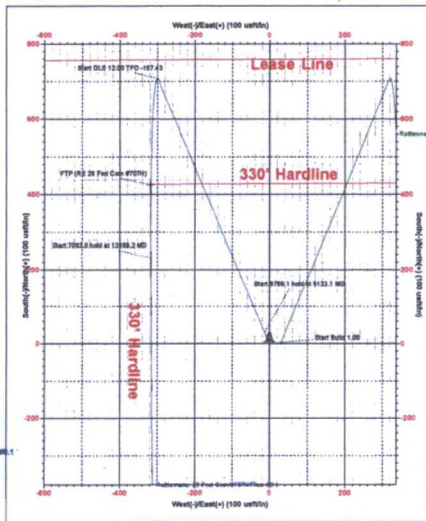
| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W  | Dleg  | TFace   | Vsect  | Target                     |
|-----|---------|-------|--------|---------|---------|--------|-------|---------|--------|----------------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0     | 0.0     | 0.0    | 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   | 5122.1  | 6.22  | 337.14 | 5120.9  | 31.1    | -13.1  | 1.00  | 337.14  | -30.6  |                            |
| 4   | 11891.3 | 6.22  | 337.14 | 11850.2 | 707.0   | -298.1 | 0.00  | 0.00    | -694.9 |                            |
| 5   | 12689.2 | 90.00 | 179.59 | 12375.0 | 231.8   | -316.5 | 12.00 | -157.43 | -219.3 |                            |
| 6   | 19752.2 | 90.00 | 179.59 | 12375.0 | -6831.0 | -266.0 | 0.00  | 0.00    | 6836.2 | PBHL (RS 28 Fed Com #707H) |

## CASING DETAILS

No casing data is available

## WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                       | TVD     | +N/-S   | +E/-W  | Northing  | Easting   |
|----------------------------|---------|---------|--------|-----------|-----------|
| PBHL (RS 28 Fed Com #707H) | 12375.0 | -6831.0 | -266.0 | 364815.00 | 733547.00 |
| FTP (RS 28 Fed Com #707H)  | 12375.0 | 426.0   | -318.0 | 372072.00 | 733496.00 |



Lea County, NM (NAD 27 NME)  
Rattlesnake 28 Fed Com #707H  
Plan #0.1  
12/16/2016



**HOBBS OCD**

**JAN 03 2017**

**RECEIVED**

## **EOG Resources - Midland**

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

**Rattlesnake 28 Fed Com**

**#707H**

**OH**

**Plan: Plan #0.1**

## **Standard Planning Report**

**18 August, 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:** Rattlesnake 28 Fed Com  
**Well:** #707H  
**Wellbore:** OH  
**Design:** Plan #0.1

**Local Co-ordinate Reference:** Well #707H  
**TVD Reference:** KB = 25' @ 3268.0usft  
**MD Reference:** KB = 25' @ 3268.0usft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

**Project** Lea County, NM (NAD 27 NME)  
**Map System:** US State Plane 1927 (Exact solution) **System Datum:** Mean Sea Level  
**Geo Datum:** NAD 1927 (NADCON CONUS)  
**Map Zone:** New Mexico East 3001

**Site** Rattlesnake 28 Fed Com  
**Site Position:** **Northing:** 371,679.00 usft **Latitude:** 32° 1' 10.534 N  
**From:** Map **Easting:** 735,024.00 usft **Longitude:** 103° 34' 30.097 W  
**Position Uncertainty:** 0.0 usft **Slot Radius:** 13-3/16" **Grid Convergence:** 0.40°

**Well** #707H  
**Well Position** **+N/-S** -33.0 usft **Northing:** 371,646.00 usft **Latitude:** 32° 1' 10.291 N  
**+E/-W** -1,211.0 usft **Easting:** 733,813.00 usft **Longitude:** 103° 34' 44.165 W  
**Position Uncertainty** 0.0 usft **Wellhead Elevation:** 0.0 usft **Ground Level:** 3,243.0 usft

**Wellbore** OH

| Magnetics | Model Name | Sample Date | Declination<br>(°) | Dip Angle<br>(°) | Field Strength<br>(nT) |
|-----------|------------|-------------|--------------------|------------------|------------------------|
|           | IGRF2015   | 8/17/2016   | 7.03               | 59.88            | 47,902                 |

**Design** Plan #0.1

**Audit Notes:**

**Version:** **Phase:** PLAN **Tie On Depth:** 0.0

| Vertical Section: | Depth From (TVD)<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Direction<br>(°) |
|-------------------|----------------------------|-----------------|-----------------|------------------|
|                   | 0.0                        | 0.0             | 0.0             | 182.23           |

**Plan Sections**

| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) | TFO<br>(°) | 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       |                    |
| 5,122.1                     | 6.22               | 337.14         | 5,120.9                     | 31.1            | -13.1           | 1.00                          | 1.00                         | 0.00                        | 337.14     |                    |
| 11,891.3                    | 6.22               | 337.14         | 11,850.2                    | 707.0           | -298.1          | 0.00                          | 0.00                         | 0.00                        | 0.00       |                    |
| 12,689.2                    | 90.00              | 179.59         | 12,375.0                    | 231.8           | -316.5          | 12.00                         | 10.50                        | -19.75                      | -157.43    |                    |
| 19,752.2                    | 90.00              | 179.59         | 12,375.0                    | -6,831.0        | -266.0          | 0.00                          | 0.00                         | 0.00                        | 0.00       | PBHL (RS 28 Fed Co |



**EOG Resources, Inc.**  
Planning Report

**Database:** EDM 5000.1 Single User Db  
**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 27 NME)  
**Site:** Rattlesnake 28 Fed Com  
**Well:** #707H  
**Wellbore:** OH  
**Design:** Plan #0.1

**Local Co-ordinate Reference:** Well #707H  
**TVD Reference:** KB = 25' @ 3268.0usft  
**MD Reference:** KB = 25' @ 3268.0usft  
**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            | 337.14      | 4,600.0               | 0.8          | -0.3         | -0.8                    | 1.00                    | 1.00                   | 0.00                  |
| 4,700.0               | 2.00            | 337.14      | 4,700.0               | 3.2          | -1.4         | -3.2                    | 1.00                    | 1.00                   | 0.00                  |
| 4,800.0               | 3.00            | 337.14      | 4,799.9               | 7.2          | -3.1         | -7.1                    | 1.00                    | 1.00                   | 0.00                  |
| 4,900.0               | 4.00            | 337.14      | 4,899.7               | 12.9         | -5.4         | -12.6                   | 1.00                    | 1.00                   | 0.00                  |
| 5,000.0               | 5.00            | 337.14      | 4,999.4               | 20.1         | -8.5         | -19.7                   | 1.00                    | 1.00                   | 0.00                  |
| 5,100.0               | 6.00            | 337.14      | 5,098.9               | 28.9         | -12.2        | -28.4                   | 1.00                    | 1.00                   | 0.00                  |
| 5,122.1               | 6.22            | 337.14      | 5,120.9               | 31.1         | -13.1        | -30.6                   | 1.00                    | 1.00                   | 0.00                  |
| 5,200.0               | 6.22            | 337.14      | 5,198.3               | 38.9         | -16.4        | -38.2                   | 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: Rattlesnake 28 Fed Com  
Well: #707H  
Wellbore: OH  
Design: Plan #0.1

Local Co-ordinate Reference: Well #707H  
TVD Reference: KB = 25' @ 3268.0usft  
MD Reference: KB = 25' @ 3268.0usft  
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               | 6.22            | 337.14      | 5,297.7               | 48.9         | -20.6        | -48.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,400.0               | 6.22            | 337.14      | 5,397.1               | 58.8         | -24.8        | -57.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,500.0               | 6.22            | 337.14      | 5,496.6               | 68.8         | -29.0        | -67.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,600.0               | 6.22            | 337.14      | 5,596.0               | 78.8         | -33.2        | -77.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,700.0               | 6.22            | 337.14      | 5,695.4               | 88.8         | -37.4        | -87.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,800.0               | 6.22            | 337.14      | 5,794.8               | 98.8         | -41.6        | -97.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,900.0               | 6.22            | 337.14      | 5,894.2               | 108.8        | -45.9        | -106.9                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,000.0               | 6.22            | 337.14      | 5,993.6               | 118.8        | -50.1        | -116.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,100.0               | 6.22            | 337.14      | 6,093.0               | 128.7        | -54.3        | -126.5                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,200.0               | 6.22            | 337.14      | 6,192.4               | 138.7        | -58.5        | -136.3                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,300.0               | 6.22            | 337.14      | 6,291.8               | 148.7        | -62.7        | -146.2                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,400.0               | 6.22            | 337.14      | 6,391.3               | 158.7        | -66.9        | -156.0                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,500.0               | 6.22            | 337.14      | 6,490.7               | 168.7        | -71.1        | -165.8                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,600.0               | 6.22            | 337.14      | 6,590.1               | 178.7        | -75.3        | -175.6                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,700.0               | 6.22            | 337.14      | 6,689.5               | 188.7        | -79.5        | -185.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,800.0               | 6.22            | 337.14      | 6,788.9               | 198.6        | -83.7        | -195.2                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,900.0               | 6.22            | 337.14      | 6,888.3               | 208.6        | -88.0        | -205.0                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,000.0               | 6.22            | 337.14      | 6,987.7               | 218.6        | -92.2        | -214.9                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,100.0               | 6.22            | 337.14      | 7,087.1               | 228.6        | -96.4        | -224.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,200.0               | 6.22            | 337.14      | 7,186.5               | 238.6        | -100.6       | -234.5                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,300.0               | 6.22            | 337.14      | 7,286.0               | 248.6        | -104.8       | -244.3                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,400.0               | 6.22            | 337.14      | 7,385.4               | 258.6        | -109.0       | -254.1                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,500.0               | 6.22            | 337.14      | 7,484.8               | 268.5        | -113.2       | -263.9                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,600.0               | 6.22            | 337.14      | 7,584.2               | 278.5        | -117.4       | -273.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,700.0               | 6.22            | 337.14      | 7,683.6               | 288.5        | -121.6       | -283.6                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,800.0               | 6.22            | 337.14      | 7,783.0               | 298.5        | -125.8       | -293.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,900.0               | 6.22            | 337.14      | 7,882.4               | 308.5        | -130.1       | -303.2                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,000.0               | 6.22            | 337.14      | 7,981.8               | 318.5        | -134.3       | -313.0                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,100.0               | 6.22            | 337.14      | 8,081.2               | 328.4        | -138.5       | -322.8                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,200.0               | 6.22            | 337.14      | 8,180.7               | 338.4        | -142.7       | -332.6                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,300.0               | 6.22            | 337.14      | 8,280.1               | 348.4        | -146.9       | -342.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,400.0               | 6.22            | 337.14      | 8,379.5               | 358.4        | -151.1       | -352.3                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,500.0               | 6.22            | 337.14      | 8,478.9               | 368.4        | -155.3       | -362.1                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,600.0               | 6.22            | 337.14      | 8,578.3               | 378.4        | -159.5       | -371.9                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,700.0               | 6.22            | 337.14      | 8,677.7               | 388.4        | -163.7       | -381.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,800.0               | 6.22            | 337.14      | 8,777.1               | 398.3        | -167.9       | -391.5                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,900.0               | 6.22            | 337.14      | 8,876.5               | 408.3        | -172.2       | -401.3                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,000.0               | 6.22            | 337.14      | 8,975.9               | 418.3        | -176.4       | -411.1                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,100.0               | 6.22            | 337.14      | 9,075.4               | 428.3        | -180.6       | -421.0                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,200.0               | 6.22            | 337.14      | 9,174.8               | 438.3        | -184.8       | -430.8                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,300.0               | 6.22            | 337.14      | 9,274.2               | 448.3        | -189.0       | -440.6                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,400.0               | 6.22            | 337.14      | 9,373.6               | 458.3        | -193.2       | -450.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,500.0               | 6.22            | 337.14      | 9,473.0               | 468.2        | -197.4       | -460.2                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,600.0               | 6.22            | 337.14      | 9,572.4               | 478.2        | -201.6       | -470.0                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,700.0               | 6.22            | 337.14      | 9,671.8               | 488.2        | -205.8       | -479.8                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,800.0               | 6.22            | 337.14      | 9,771.2               | 498.2        | -210.0       | -489.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,900.0               | 6.22            | 337.14      | 9,870.6               | 508.2        | -214.3       | -499.5                  | 0.00                    | 0.00                   | 0.00                  |  |
| 10,000.0              | 6.22            | 337.14      | 9,970.1               | 518.2        | -218.5       | -509.3                  | 0.00                    | 0.00                   | 0.00                  |  |
| 10,100.0              | 6.22            | 337.14      | 10,069.5              | 528.2        | -222.7       | -519.1                  | 0.00                    | 0.00                   | 0.00                  |  |
| 10,200.0              | 6.22            | 337.14      | 10,168.9              | 538.1        | -226.9       | -528.9                  | 0.00                    | 0.00                   | 0.00                  |  |
| 10,300.0              | 6.22            | 337.14      | 10,268.3              | 548.1        | -231.1       | -538.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 10,400.0              | 6.22            | 337.14      | 10,367.7              | 558.1        | -235.3       | -548.5                  | 0.00                    | 0.00                   | 0.00                  |  |
| 10,500.0              | 6.22            | 337.14      | 10,467.1              | 568.1        | -239.5       | -558.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 10,600.0              | 6.22            | 337.14      | 10,566.5              | 578.1        | -243.7       | -568.2                  | 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:** Rattlesnake 28 Fed Com  
**Well:** #707H  
**Wellbore:** OH  
**Design:** Plan #0.1

**Local Co-ordinate Reference:** Well #707H  
**TVD Reference:** KB = 25' @ 3268.0usft  
**MD Reference:** KB = 25' @ 3268.0usft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

**Planned Survey**

| Measured<br>Depth<br>(usft)      | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|----------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 10,700.0                         | 6.22               | 337.14         | 10,665.9                    | 588.1           | -247.9          | -578.0                        | 0.00                          | 0.00                         | 0.00                        |
| 10,800.0                         | 6.22               | 337.14         | 10,765.3                    | 598.1           | -252.2          | -587.8                        | 0.00                          | 0.00                         | 0.00                        |
| 10,900.0                         | 6.22               | 337.14         | 10,864.8                    | 608.0           | -256.4          | -597.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,000.0                         | 6.22               | 337.14         | 10,964.2                    | 618.0           | -260.6          | -607.4                        | 0.00                          | 0.00                         | 0.00                        |
| 11,100.0                         | 6.22               | 337.14         | 11,063.6                    | 628.0           | -264.8          | -617.2                        | 0.00                          | 0.00                         | 0.00                        |
| 11,200.0                         | 6.22               | 337.14         | 11,163.0                    | 638.0           | -269.0          | -627.1                        | 0.00                          | 0.00                         | 0.00                        |
| 11,300.0                         | 6.22               | 337.14         | 11,262.4                    | 648.0           | -273.2          | -636.9                        | 0.00                          | 0.00                         | 0.00                        |
| 11,400.0                         | 6.22               | 337.14         | 11,361.8                    | 658.0           | -277.4          | -646.7                        | 0.00                          | 0.00                         | 0.00                        |
| 11,500.0                         | 6.22               | 337.14         | 11,461.2                    | 668.0           | -281.6          | -656.5                        | 0.00                          | 0.00                         | 0.00                        |
| 11,600.0                         | 6.22               | 337.14         | 11,560.6                    | 677.9           | -285.8          | -666.3                        | 0.00                          | 0.00                         | 0.00                        |
| 11,700.0                         | 6.22               | 337.14         | 11,660.0                    | 687.9           | -290.0          | -676.1                        | 0.00                          | 0.00                         | 0.00                        |
| 11,800.0                         | 6.22               | 337.14         | 11,759.5                    | 697.9           | -294.3          | -685.9                        | 0.00                          | 0.00                         | 0.00                        |
| 11,891.3                         | 6.22               | 337.14         | 11,850.2                    | 707.0           | -298.1          | -694.9                        | 0.00                          | 0.00                         | 0.00                        |
| 11,900.0                         | 5.27               | 332.75         | 11,858.9                    | 707.8           | -298.5          | -695.7                        | 12.00                         | -10.91                       | -50.21                      |
| 11,925.0                         | 2.93               | 305.08         | 11,883.8                    | 709.2           | -299.5          | -697.0                        | 12.00                         | -9.36                        | -110.67                     |
| 11,950.0                         | 2.72               | 240.95         | 11,908.8                    | 709.3           | -300.5          | -697.1                        | 12.00                         | -0.84                        | -256.52                     |
| 11,975.0                         | 4.92               | 208.53         | 11,933.7                    | 708.1           | -301.6          | -695.8                        | 12.00                         | 8.80                         | -129.67                     |
| 12,000.0                         | 7.68               | 197.58         | 11,958.6                    | 705.5           | -302.6          | -693.2                        | 12.00                         | 11.05                        | -43.83                      |
| 12,025.0                         | 10.57              | 192.48         | 11,983.3                    | 701.7           | -303.6          | -689.3                        | 12.00                         | 11.57                        | -20.38                      |
| 12,050.0                         | 13.51              | 189.57         | 12,007.7                    | 696.6           | -304.6          | -684.2                        | 12.00                         | 11.76                        | -11.65                      |
| 12,075.0                         | 16.47              | 187.68         | 12,031.9                    | 690.2           | -305.5          | -677.8                        | 12.00                         | 11.84                        | -7.53                       |
| 12,100.0                         | 19.44              | 186.36         | 12,055.6                    | 682.5           | -306.5          | -670.1                        | 12.00                         | 11.89                        | -5.29                       |
| 12,125.0                         | 22.42              | 185.38         | 12,079.0                    | 673.6           | -307.4          | -661.2                        | 12.00                         | 11.92                        | -3.93                       |
| 12,150.0                         | 25.41              | 184.62         | 12,101.8                    | 663.6           | -308.3          | -651.1                        | 12.00                         | 11.94                        | -3.05                       |
| 12,175.0                         | 28.39              | 184.01         | 12,124.1                    | 652.3           | -309.1          | -639.8                        | 12.00                         | 11.95                        | -2.45                       |
| 12,200.0                         | 31.38              | 183.50         | 12,145.8                    | 639.8           | -309.9          | -627.3                        | 12.00                         | 11.96                        | -2.01                       |
| 12,225.0                         | 34.37              | 183.08         | 12,166.8                    | 626.3           | -310.7          | -613.7                        | 12.00                         | 11.96                        | -1.70                       |
| 12,250.0                         | 37.37              | 182.72         | 12,187.0                    | 611.7           | -311.4          | -599.1                        | 12.00                         | 11.97                        | -1.46                       |
| 12,275.0                         | 40.36              | 182.40         | 12,206.5                    | 596.0           | -312.1          | -583.4                        | 12.00                         | 11.97                        | -1.27                       |
| 12,300.0                         | 43.35              | 182.12         | 12,225.1                    | 579.3           | -312.8          | -566.7                        | 12.00                         | 11.98                        | -1.12                       |
| 12,325.0                         | 46.35              | 181.87         | 12,242.8                    | 561.7           | -313.4          | -549.1                        | 12.00                         | 11.98                        | -1.00                       |
| 12,350.0                         | 49.34              | 181.64         | 12,259.6                    | 543.2           | -314.0          | -530.6                        | 12.00                         | 11.98                        | -0.91                       |
| 12,375.0                         | 52.34              | 181.43         | 12,275.4                    | 523.8           | -314.5          | -511.2                        | 12.00                         | 11.98                        | -0.83                       |
| 12,400.0                         | 55.34              | 181.24         | 12,290.2                    | 503.6           | -315.0          | -491.0                        | 12.00                         | 11.98                        | -0.77                       |
| 12,425.0                         | 58.33              | 181.06         | 12,303.8                    | 482.7           | -315.4          | -470.1                        | 12.00                         | 11.99                        | -0.71                       |
| 12,450.0                         | 61.33              | 180.89         | 12,316.4                    | 461.1           | -315.7          | -448.5                        | 12.00                         | 11.99                        | -0.67                       |
| 12,475.0                         | 64.33              | 180.74         | 12,327.8                    | 438.9           | -316.1          | -426.2                        | 12.00                         | 11.99                        | -0.63                       |
| 12,500.0                         | 67.32              | 180.59         | 12,338.1                    | 416.1           | -316.3          | -403.4                        | 12.00                         | 11.99                        | -0.60                       |
| 12,504.1                         | 67.81              | 180.56         | 12,339.6                    | 412.3           | -316.4          | -399.7                        | 12.00                         | 11.99                        | -0.58                       |
| <b>FTP (RS 28 Fed Com #707H)</b> |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 12,525.0                         | 70.32              | 180.44         | 12,347.1                    | 392.8           | -316.5          | -380.2                        | 12.00                         | 11.99                        | -0.57                       |
| 12,550.0                         | 73.32              | 180.30         | 12,354.9                    | 369.0           | -316.7          | -356.4                        | 12.00                         | 11.99                        | -0.55                       |
| 12,575.0                         | 76.31              | 180.17         | 12,361.4                    | 344.9           | -316.8          | -332.3                        | 12.00                         | 11.99                        | -0.54                       |
| 12,600.0                         | 79.31              | 180.04         | 12,366.7                    | 320.5           | -316.8          | -307.9                        | 12.00                         | 11.99                        | -0.52                       |
| 12,625.0                         | 82.31              | 179.91         | 12,370.7                    | 295.8           | -316.8          | -283.2                        | 12.00                         | 11.99                        | -0.51                       |
| 12,650.0                         | 85.31              | 179.79         | 12,373.4                    | 270.9           | -316.8          | -258.4                        | 12.00                         | 11.99                        | -0.51                       |
| 12,675.0                         | 88.30              | 179.66         | 12,374.8                    | 246.0           | -316.6          | -233.5                        | 12.00                         | 11.99                        | -0.50                       |
| 12,689.2                         | 90.00              | 179.59         | 12,375.0                    | 231.8           | -316.5          | -219.3                        | 12.00                         | 11.99                        | -0.50                       |
| 12,700.0                         | 90.00              | 179.59         | 12,375.0                    | 221.0           | -316.5          | -208.5                        | 0.00                          | 0.00                         | 0.00                        |
| 12,800.0                         | 90.00              | 179.59         | 12,375.0                    | 121.0           | -315.7          | -108.6                        | 0.00                          | 0.00                         | 0.00                        |
| 12,900.0                         | 90.00              | 179.59         | 12,375.0                    | 21.0            | -315.0          | -8.7                          | 0.00                          | 0.00                         | 0.00                        |
| 13,000.0                         | 90.00              | 179.59         | 12,375.0                    | -79.0           | -314.3          | 91.2                          | 0.00                          | 0.00                         | 0.00                        |
| 13,100.0                         | 90.00              | 179.59         | 12,375.0                    | -179.0          | -313.6          | 191.1                         | 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: Rattlesnake 28 Fed Com  
Well: #707H  
Wellbore: OH  
Design: Plan #0.1

Local Co-ordinate Reference: Well #707H  
TVD Reference: KB = 25' @ 3268.0usft  
MD Reference: KB = 25' @ 3268.0usft  
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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 13,200.0              | 90.00           | 179.59      | 12,375.0              | -279.0       | -312.9       | 291.0                   | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 90.00           | 179.59      | 12,375.0              | -379.0       | -312.2       | 390.9                   | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.00           | 179.59      | 12,375.0              | -479.0       | -311.5       | 490.8                   | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.00           | 179.59      | 12,375.0              | -579.0       | -310.7       | 590.7                   | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.00           | 179.59      | 12,375.0              | -679.0       | -310.0       | 690.6                   | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.00           | 179.59      | 12,375.0              | -779.0       | -309.3       | 790.4                   | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.00           | 179.59      | 12,375.0              | -879.0       | -308.6       | 890.3                   | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.00           | 179.59      | 12,375.0              | -979.0       | -307.9       | 990.2                   | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.00           | 179.59      | 12,375.0              | -1,079.0     | -307.2       | 1,090.1                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.00           | 179.59      | 12,375.0              | -1,179.0     | -306.4       | 1,190.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.00           | 179.59      | 12,375.0              | -1,279.0     | -305.7       | 1,289.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.00           | 179.59      | 12,375.0              | -1,379.0     | -305.0       | 1,389.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.00           | 179.59      | 12,375.0              | -1,479.0     | -304.3       | 1,489.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.00           | 179.59      | 12,375.0              | -1,579.0     | -303.6       | 1,589.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.00           | 179.59      | 12,375.0              | -1,679.0     | -302.9       | 1,689.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.00           | 179.59      | 12,375.0              | -1,779.0     | -302.2       | 1,789.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.00           | 179.59      | 12,375.0              | -1,879.0     | -301.4       | 1,889.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.00           | 179.59      | 12,375.0              | -1,979.0     | -300.7       | 1,989.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.00           | 179.59      | 12,375.0              | -2,079.0     | -300.0       | 2,089.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.00           | 179.59      | 12,375.0              | -2,179.0     | -299.3       | 2,189.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.00           | 179.59      | 12,375.0              | -2,279.0     | -298.6       | 2,288.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.00           | 179.59      | 12,375.0              | -2,379.0     | -297.9       | 2,388.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.00           | 179.59      | 12,375.0              | -2,479.0     | -297.1       | 2,488.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.00           | 179.59      | 12,375.0              | -2,579.0     | -296.4       | 2,588.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.00           | 179.59      | 12,375.0              | -2,679.0     | -295.7       | 2,688.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.00           | 179.59      | 12,375.0              | -2,778.9     | -295.0       | 2,788.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.00           | 179.59      | 12,375.0              | -2,878.9     | -294.3       | 2,888.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.00           | 179.59      | 12,375.0              | -2,978.9     | -293.6       | 2,988.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.00           | 179.59      | 12,375.0              | -3,078.9     | -292.8       | 3,088.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.00           | 179.59      | 12,375.0              | -3,178.9     | -292.1       | 3,187.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.00           | 179.59      | 12,375.0              | -3,278.9     | -291.4       | 3,287.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.00           | 179.59      | 12,375.0              | -3,378.9     | -290.7       | 3,387.7                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.00           | 179.59      | 12,375.0              | -3,478.9     | -290.0       | 3,487.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.00           | 179.59      | 12,375.0              | -3,578.9     | -289.3       | 3,587.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.00           | 179.59      | 12,375.0              | -3,678.9     | -288.6       | 3,687.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.00           | 179.59      | 12,375.0              | -3,778.9     | -287.8       | 3,787.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.00           | 179.59      | 12,375.0              | -3,878.9     | -287.1       | 3,887.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.00           | 179.59      | 12,375.0              | -3,978.9     | -286.4       | 3,987.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.00           | 179.59      | 12,375.0              | -4,078.9     | -285.7       | 4,086.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.00           | 179.59      | 12,375.0              | -4,178.9     | -285.0       | 4,186.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 90.00           | 179.59      | 12,375.0              | -4,278.9     | -284.3       | 4,286.7                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 90.00           | 179.59      | 12,375.0              | -4,378.9     | -283.5       | 4,386.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.00           | 179.59      | 12,375.0              | -4,478.9     | -282.8       | 4,486.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.00           | 179.59      | 12,375.0              | -4,578.9     | -282.1       | 4,586.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.00           | 179.59      | 12,375.0              | -4,678.9     | -281.4       | 4,686.3                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.00           | 179.59      | 12,375.0              | -4,778.9     | -280.7       | 4,786.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.00           | 179.59      | 12,375.0              | -4,878.9     | -280.0       | 4,886.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.00           | 179.59      | 12,375.0              | -4,978.9     | -279.3       | 4,986.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.00           | 179.59      | 12,375.0              | -5,078.9     | -278.5       | 5,085.9                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.00           | 179.59      | 12,375.0              | -5,178.9     | -277.8       | 5,185.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.00           | 179.59      | 12,375.0              | -5,278.9     | -277.1       | 5,285.7                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 90.00           | 179.59      | 12,375.0              | -5,378.9     | -276.4       | 5,385.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 90.00           | 179.59      | 12,375.0              | -5,478.9     | -275.7       | 5,485.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 90.00           | 179.59      | 12,375.0              | -5,578.9     | -275.0       | 5,585.3                 | 0.00                    | 0.00                   | 0.00                  |



**EOG Resources, Inc.**  
Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well #707H            |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | KB = 25' @ 3268.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME) | <b>MD Reference:</b>                | KB = 25' @ 3268.0usft |
| <b>Site:</b>     | Rattlesnake 28 Fed Com      | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #707H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1                   |                                     |                       |

**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) |
|----------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 18,600.0                   | 90.00           | 179.59      | 12,375.0              | -5,678.9     | -274.2       | 5,685.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0                   | 90.00           | 179.59      | 12,375.0              | -5,778.9     | -273.5       | 5,785.1                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0                   | 90.00           | 179.59      | 12,375.0              | -5,878.9     | -272.8       | 5,885.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0                   | 90.00           | 179.59      | 12,375.0              | -5,978.9     | -272.1       | 5,984.9                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0                   | 90.00           | 179.59      | 12,375.0              | -6,078.9     | -271.4       | 6,084.8                 | 0.00                    | 0.00                   | 0.00                  |
| 19,100.0                   | 90.00           | 179.59      | 12,375.0              | -6,178.9     | -270.7       | 6,184.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,200.0                   | 90.00           | 179.59      | 12,375.0              | -6,278.9     | -270.0       | 6,284.6                 | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0                   | 90.00           | 179.59      | 12,375.0              | -6,378.9     | -269.2       | 6,384.5                 | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0                   | 90.00           | 179.59      | 12,375.0              | -6,478.9     | -268.5       | 6,484.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0                   | 90.00           | 179.59      | 12,375.0              | -6,578.9     | -267.8       | 6,584.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0                   | 90.00           | 179.59      | 12,375.0              | -6,678.8     | -267.1       | 6,684.2                 | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0                   | 90.00           | 179.59      | 12,375.0              | -6,778.8     | -266.4       | 6,784.1                 | 0.00                    | 0.00                   | 0.00                  |
| 19,752.2                   | 90.00           | 179.59      | 12,375.0              | -6,831.0     | -266.0       | 6,836.2                 | 0.00                    | 0.00                   | 0.00                  |
| PBHL (RS 28 Fed Com #707H) |                 |             |                       |              |              |                         |                         |                        |                       |

**Design Targets**

| Target Name                                                                                | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude        | Longitude         |
|--------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|-------------------|
| FTP (RS 28 Fed Com #707H)                                                                  | 0.00          | 0.00         | 12,375.0   | 426.0        | -318.0       | 372,072.00      | 733,495.00     | 32° 1' 14.529 N | 103° 34' 47.824 W |
| - hit/miss target                                                                          |               |              |            |              |              |                 |                |                 |                   |
| - Shape                                                                                    |               |              |            |              |              |                 |                |                 |                   |
| - plan misses target center by 38.0usft at 12504.1usft MD (12339.6 TVD, 412.3 N, -316.4 E) |               |              |            |              |              |                 |                |                 |                   |
| - Point                                                                                    |               |              |            |              |              |                 |                |                 |                   |
| PBHL (RS 28 Fed Com #707H)                                                                 | 0.00          | 0.00         | 12,375.0   | -6,831.0     | -266.0       | 364,815.00      | 733,547.00     | 32° 0' 2.711 N  | 103° 34' 47.807 W |
| - hit/miss target                                                                          |               |              |            |              |              |                 |                |                 |                   |
| - Shape                                                                                    |               |              |            |              |              |                 |                |                 |                   |
| - plan hits target center                                                                  |               |              |            |              |              |                 |                |                 |                   |
| - Point                                                                                    |               |              |            |              |              |                 |                |                 |                   |