

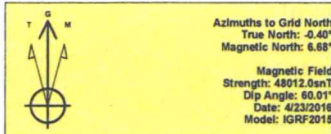


Lea County, NM (NAD 27 NME)

Antietam 9 Fed Com #701H

Precision #612

Plan #0.2



To convert a Magnetic Direction to a Grid Direction, Add 6.68°  
To convert a Magnetic Direction to a True Direction, Add 7.08° 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: #701H

Ground Level: 3438.0  
KB = 25 @ 3463.0usft (Precision #612)  
Northing 419852.00 Easting 731857.00 Latitude 32° 9' 7.460 N Longitude 103° 35' 2.994 W

#### SECTION DETAILS

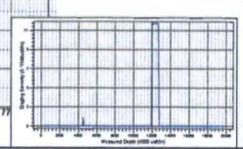
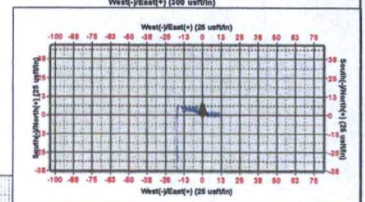
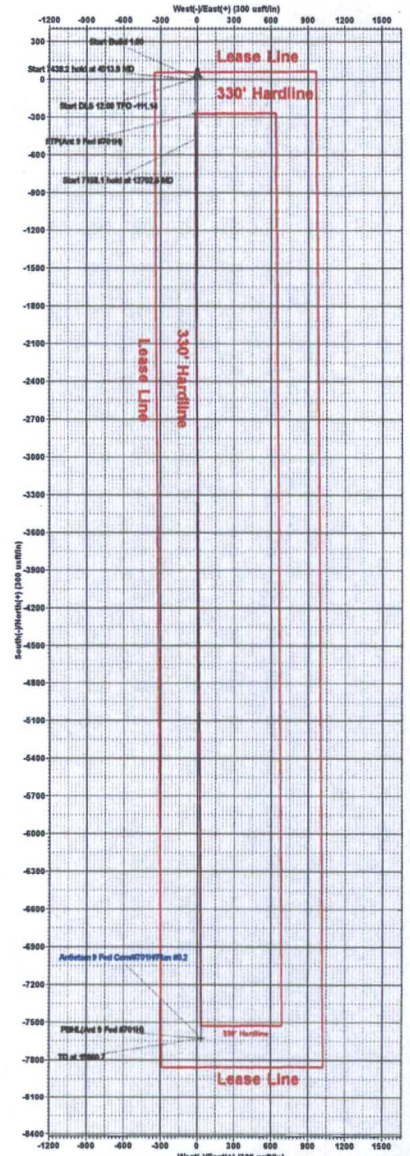
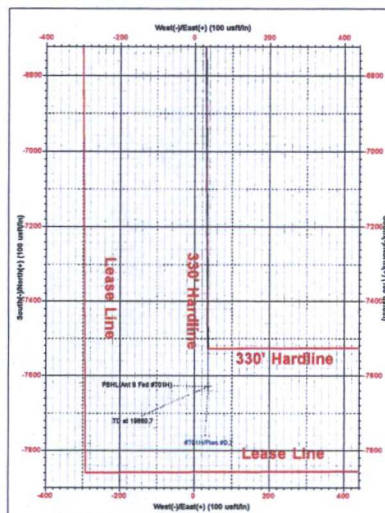
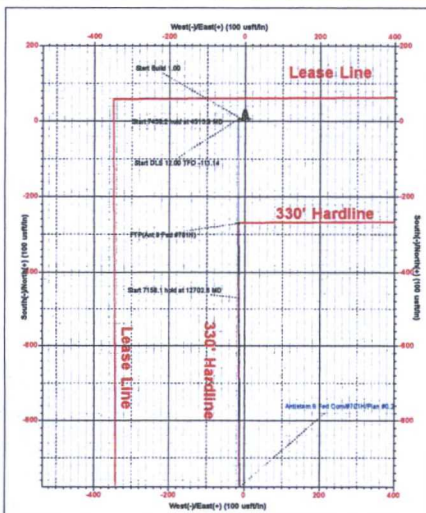
| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W | Dleg  | TFace   | VSect  | Target                |
|-----|---------|-------|--------|---------|---------|-------|-------|---------|--------|-----------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0     | 0.0     | 0.0   | 0.00  | 0.00    | 0.0    |                       |
| 2   | 4500.0  | 0.00  | 0.00   | 4500.0  | 0.0     | 0.0   | 0.00  | 0.00    | 0.0    |                       |
| 3   | 4513.9  | 0.14  | 290.73 | 4513.9  | 0.0     | 0.0   | 1.00  | 290.73  | 0.0    |                       |
| 4   | 11952.1 | 0.14  | 290.73 | 11952.1 | 6.4     | -16.9 | 0.00  | 0.00    | -6.5   |                       |
| 5   | 12702.6 | 90.00 | 179.59 | 12430.0 | -471.1  | -14.6 | 12.00 | -111.14 | 471.0  |                       |
| 6   | 19860.7 | 90.00 | 179.59 | 12430.0 | -7629.0 | 37.0  | 0.00  | 0.00    | 7629.1 | PBHL(Ant 9 Fed #701H) |

#### CASING DETAILS

No casing data is available

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

| Name                  | TVD     | +N/-S   | +E/-W | Northing  | Easting   |
|-----------------------|---------|---------|-------|-----------|-----------|
| PBHL(Ant 9 Fed #701H) | 12430.0 | -7629.0 | 37.0  | 412223.00 | 731894.00 |
| FTP(Ant 9 Fed #701H)  | 12430.0 | -271.0  | -16.0 | 419681.00 | 731841.00 |



Lea County, NM (NAD 27 NME)  
Antietam 9 Fed Com #701H  
Precision #612  
Plan #0.2  
11/14/2016  
11/14/2016



## **EOG Resources - Midland**

Lea County, NM (NAD 27 NME)

Antietam 9 Fed Com

#701H

OH

Plan: Plan #0.2

## **Standard Planning Report**

08 August, 2016

**HOBBS OCD**

NOV 28 2016

**RECEIVED**



# EOG Resources, Inc.

## Planning Report

**Database:** EDM 5000.1 Single User Db  
**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 27 NME)  
**Site:** Antietam 9 Fed Com  
**Well:** #701H  
**Wellbore:** OH  
**Design:** Plan #0.2

**Local Co-ordinate Reference:** Well #701H  
**TVD Reference:** KB = 25 @ 3463.0usft (Precision #612)  
**MD Reference:** KB = 25 @ 3463.0usft (Precision #612)  
**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:** Antietam 9 Fed Com  
**Site Position:** Northing: 414,873.00 usft Latitude: 32° 8' 17.894 N  
**From:** Map Easting: 736,116.00 usft Longitude: 103° 34' 13.866 W  
**Position Uncertainty:** 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.41 °

**Well:** #701H  
**Well Position:** +N/-S 4,979.0 usft Northing: 419,852.00 usft Latitude: 32° 9' 7.460 N  
**+E/-W** -4,259.0 usft Easting: 731,857.00 usft Longitude: 103° 35' 2.994 W  
**Position Uncertainty:** 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,438.0 usft

**Wellbore:** OH  
**Magnetics:** Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)  
 IGRF2015 4/23/2016 7.08 60.01 48,012

**Design:** Plan #0.2  
**Audit Notes:**  
**Version:** Phase: PLAN Tie On Depth: 0.0  
**Vertical Section:** Depth From (TVD) +N/-S +E/-W Direction  
 (usft) (usft) (usft) (°)  
 0.0 0.0 0.0 179.72

| 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    |                      |
| 4,513.9               | 0.14            | 290.73      | 4,513.9               | 0.0          | 0.0          | 1.00                    | 1.00                   | 0.00                  | 290.73  |                      |
| 11,952.1              | 0.14            | 290.73      | 11,952.1              | 6.4          | -16.9        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 12,702.6              | 90.00           | 179.59      | 12,430.0              | -471.1       | -14.6        | 12.00                   | 11.97                  | -14.81                | -111.14 |                      |
| 19,860.7              | 90.00           | 179.59      | 12,430.0              | -7,629.0     | 37.0         | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL(Ant 9 Fed #701) |



# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 27 NME)  
Site: Antietam 9 Fed Com  
Well: #701H  
Wellbore: OH  
Design: Plan #0.2

Local Co-ordinate Reference: Well #701H  
TVD Reference: KB = 25 @ 3463.0usft (Precision #612)  
MD Reference: KB = 25 @ 3463.0usft (Precision #612)  
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                  |
| 4,513.9               | 0.14            | 290.73      | 4,513.9               | 0.0          | 0.0          | 0.0                     | 1.00                    | 1.00                   | 0.00                  |
| 4,600.0               | 0.14            | 290.73      | 4,600.0               | 0.1          | -0.2         | -0.1                    | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 0.14            | 290.73      | 4,700.0               | 0.2          | -0.4         | -0.2                    | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 0.14            | 290.73      | 4,800.0               | 0.3          | -0.7         | -0.3                    | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 0.14            | 290.73      | 4,900.0               | 0.3          | -0.9         | -0.3                    | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 0.14            | 290.73      | 5,000.0               | 0.4          | -1.1         | -0.4                    | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 0.14            | 290.73      | 5,100.0               | 0.5          | -1.3         | -0.5                    | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 0.14            | 290.73      | 5,200.0               | 0.6          | -1.6         | -0.6                    | 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: Antietam 9 Fed Com  
Well: #701H  
Wellbore: OH  
Design: Plan #0.2

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:

Well #701H  
KB = 25 @ 3463.0usft (Precision #612)  
KB = 25 @ 3463.0usft (Precision #612)  
Grid  
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               | 0.14            | 290.73      | 5,300.0               | 0.7          | -1.8         | -0.7                    | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0               | 0.14            | 290.73      | 5,400.0               | 0.8          | -2.0         | -0.8                    | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0               | 0.14            | 290.73      | 5,500.0               | 0.9          | -2.3         | -0.9                    | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0               | 0.14            | 290.73      | 5,600.0               | 0.9          | -2.5         | -1.0                    | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0               | 0.14            | 290.73      | 5,700.0               | 1.0          | -2.7         | -1.0                    | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0               | 0.14            | 290.73      | 5,800.0               | 1.1          | -2.9         | -1.1                    | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0               | 0.14            | 290.73      | 5,900.0               | 1.2          | -3.2         | -1.2                    | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0               | 0.14            | 290.73      | 6,000.0               | 1.3          | -3.4         | -1.3                    | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0               | 0.14            | 290.73      | 6,100.0               | 1.4          | -3.6         | -1.4                    | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0               | 0.14            | 290.73      | 6,200.0               | 1.5          | -3.8         | -1.5                    | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0               | 0.14            | 290.73      | 6,300.0               | 1.5          | -4.1         | -1.6                    | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0               | 0.14            | 290.73      | 6,400.0               | 1.6          | -4.3         | -1.6                    | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0               | 0.14            | 290.73      | 6,500.0               | 1.7          | -4.5         | -1.7                    | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0               | 0.14            | 290.73      | 6,600.0               | 1.8          | -4.8         | -1.8                    | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0               | 0.14            | 290.73      | 6,700.0               | 1.9          | -5.0         | -1.9                    | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0               | 0.14            | 290.73      | 6,800.0               | 2.0          | -5.2         | -2.0                    | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0               | 0.14            | 290.73      | 6,900.0               | 2.1          | -5.4         | -2.1                    | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0               | 0.14            | 290.73      | 7,000.0               | 2.1          | -5.7         | -2.2                    | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0               | 0.14            | 290.73      | 7,100.0               | 2.2          | -5.9         | -2.3                    | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0               | 0.14            | 290.73      | 7,200.0               | 2.3          | -6.1         | -2.3                    | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0               | 0.14            | 290.73      | 7,300.0               | 2.4          | -6.3         | -2.4                    | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0               | 0.14            | 290.73      | 7,400.0               | 2.5          | -6.6         | -2.5                    | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0               | 0.14            | 290.73      | 7,500.0               | 2.6          | -6.8         | -2.6                    | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0               | 0.14            | 290.73      | 7,600.0               | 2.7          | -7.0         | -2.7                    | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0               | 0.14            | 290.73      | 7,700.0               | 2.7          | -7.3         | -2.8                    | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0               | 0.14            | 290.73      | 7,800.0               | 2.8          | -7.5         | -2.9                    | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0               | 0.14            | 290.73      | 7,900.0               | 2.9          | -7.7         | -3.0                    | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0               | 0.14            | 290.73      | 8,000.0               | 3.0          | -7.9         | -3.0                    | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0               | 0.14            | 290.73      | 8,100.0               | 3.1          | -8.2         | -3.1                    | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0               | 0.14            | 290.73      | 8,200.0               | 3.2          | -8.4         | -3.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0               | 0.14            | 290.73      | 8,300.0               | 3.3          | -8.6         | -3.3                    | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0               | 0.14            | 290.73      | 8,400.0               | 3.3          | -8.8         | -3.4                    | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0               | 0.14            | 290.73      | 8,500.0               | 3.4          | -9.1         | -3.5                    | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0               | 0.14            | 290.73      | 8,600.0               | 3.5          | -9.3         | -3.6                    | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0               | 0.14            | 290.73      | 8,700.0               | 3.6          | -9.5         | -3.7                    | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0               | 0.14            | 290.73      | 8,800.0               | 3.7          | -9.8         | -3.7                    | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0               | 0.14            | 290.73      | 8,900.0               | 3.8          | -10.0        | -3.8                    | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0               | 0.14            | 290.73      | 9,000.0               | 3.9          | -10.2        | -3.9                    | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0               | 0.14            | 290.73      | 9,100.0               | 3.9          | -10.4        | -4.0                    | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0               | 0.14            | 290.73      | 9,200.0               | 4.0          | -10.7        | -4.1                    | 0.00                    | 0.00                   | 0.00                  |
| 9,300.0               | 0.14            | 290.73      | 9,300.0               | 4.1          | -10.9        | -4.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0               | 0.14            | 290.73      | 9,400.0               | 4.2          | -11.1        | -4.3                    | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0               | 0.14            | 290.73      | 9,500.0               | 4.3          | -11.3        | -4.3                    | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0               | 0.14            | 290.73      | 9,600.0               | 4.4          | -11.6        | -4.4                    | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0               | 0.14            | 290.73      | 9,700.0               | 4.5          | -11.8        | -4.5                    | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0               | 0.14            | 290.73      | 9,800.0               | 4.6          | -12.0        | -4.6                    | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 0.14            | 290.73      | 9,900.0               | 4.6          | -12.3        | -4.7                    | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 0.14            | 290.73      | 10,000.0              | 4.7          | -12.5        | -4.8                    | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 0.14            | 290.73      | 10,100.0              | 4.8          | -12.7        | -4.9                    | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 0.14            | 290.73      | 10,200.0              | 4.9          | -12.9        | -5.0                    | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 0.14            | 290.73      | 10,300.0              | 5.0          | -13.2        | -5.0                    | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 0.14            | 290.73      | 10,400.0              | 5.1          | -13.4        | -5.1                    | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 0.14            | 290.73      | 10,500.0              | 5.2          | -13.6        | -5.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 0.14            | 290.73      | 10,600.0              | 5.2          | -13.8        | -5.3                    | 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: Antietam 9 Fed Com  
Well: #701H  
Wellbore: OH  
Design: Plan #0.2

Local Co-ordinate Reference: Well #701H  
TVD Reference: KB = 25 @ 3463.0usft (Precision #612)  
MD Reference: KB = 25 @ 3463.0usft (Precision #612)  
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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 10,700.0              | 0.14            | 290.73      | 10,700.0              | 5.3          | -14.1        | -5.4                    | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 0.14            | 290.73      | 10,800.0              | 5.4          | -14.3        | -5.5                    | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0              | 0.14            | 290.73      | 10,900.0              | 5.5          | -14.5        | -5.6                    | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0              | 0.14            | 290.73      | 11,000.0              | 5.6          | -14.8        | -5.7                    | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0              | 0.14            | 290.73      | 11,100.0              | 5.7          | -15.0        | -5.7                    | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0              | 0.14            | 290.73      | 11,200.0              | 5.8          | -15.2        | -5.8                    | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0              | 0.14            | 290.73      | 11,300.0              | 5.8          | -15.4        | -5.9                    | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0              | 0.14            | 290.73      | 11,400.0              | 5.9          | -15.7        | -6.0                    | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0              | 0.14            | 290.73      | 11,500.0              | 6.0          | -15.9        | -6.1                    | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0              | 0.14            | 290.73      | 11,600.0              | 6.1          | -16.1        | -6.2                    | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0              | 0.14            | 290.73      | 11,700.0              | 6.2          | -16.3        | -6.3                    | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 0.14            | 290.73      | 11,800.0              | 6.3          | -16.6        | -6.3                    | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 0.14            | 290.73      | 11,900.0              | 6.4          | -16.8        | -6.4                    | 0.00                    | 0.00                   | 0.00                  |
| 11,952.1              | 0.14            | 290.73      | 11,952.1              | 6.4          | -16.9        | -6.5                    | 0.00                    | 0.00                   | 0.00                  |
| 11,975.0              | 2.70            | 182.35      | 11,975.0              | 5.9          | -17.0        | -6.0                    | 12.00                   | 11.19                  | -474.11               |
| 12,000.0              | 5.69            | 180.89      | 11,999.9              | 4.0          | -17.0        | -4.1                    | 12.00                   | 11.99                  | -5.82                 |
| 12,025.0              | 8.69            | 180.44      | 12,024.7              | 0.9          | -17.0        | -1.0                    | 12.00                   | 12.00                  | -1.81                 |
| 12,050.0              | 11.69           | 180.21      | 12,049.3              | -3.5         | -17.1        | 3.4                     | 12.00                   | 12.00                  | -0.89                 |
| 12,075.0              | 14.69           | 180.08      | 12,073.6              | -9.2         | -17.1        | 9.1                     | 12.00                   | 12.00                  | -0.53                 |
| 12,100.0              | 17.69           | 179.99      | 12,097.6              | -16.2        | -17.1        | 16.1                    | 12.00                   | 12.00                  | -0.35                 |
| 12,125.0              | 20.69           | 179.93      | 12,121.3              | -24.4        | -17.1        | 24.3                    | 12.00                   | 12.00                  | -0.25                 |
| 12,150.0              | 23.69           | 179.88      | 12,144.4              | -33.8        | -17.1        | 33.8                    | 12.00                   | 12.00                  | -0.19                 |
| 12,175.0              | 26.69           | 179.85      | 12,167.0              | -44.5        | -17.0        | 44.4                    | 12.00                   | 12.00                  | -0.15                 |
| 12,200.0              | 29.69           | 179.81      | 12,189.0              | -56.3        | -17.0        | 56.2                    | 12.00                   | 12.00                  | -0.12                 |
| 12,225.0              | 32.69           | 179.79      | 12,210.4              | -69.2        | -17.0        | 69.2                    | 12.00                   | 12.00                  | -0.10                 |
| 12,250.0              | 35.69           | 179.77      | 12,231.1              | -83.3        | -16.9        | 83.2                    | 12.00                   | 12.00                  | -0.09                 |
| 12,275.0              | 38.69           | 179.75      | 12,251.0              | -98.4        | -16.8        | 98.3                    | 12.00                   | 12.00                  | -0.07                 |
| 12,300.0              | 41.69           | 179.73      | 12,270.1              | -114.5       | -16.8        | 114.5                   | 12.00                   | 12.00                  | -0.07                 |
| 12,325.0              | 44.69           | 179.72      | 12,288.3              | -131.6       | -16.7        | 131.6                   | 12.00                   | 12.00                  | -0.06                 |
| 12,350.0              | 47.69           | 179.71      | 12,305.6              | -149.7       | -16.6        | 149.6                   | 12.00                   | 12.00                  | -0.05                 |
| 12,375.0              | 50.69           | 179.69      | 12,322.0              | -168.6       | -16.5        | 168.5                   | 12.00                   | 12.00                  | -0.05                 |
| 12,400.0              | 53.69           | 179.68      | 12,337.3              | -188.4       | -16.4        | 188.3                   | 12.00                   | 12.00                  | -0.04                 |
| 12,425.0              | 56.69           | 179.67      | 12,351.6              | -208.9       | -16.3        | 208.8                   | 12.00                   | 12.00                  | -0.04                 |
| 12,450.0              | 59.69           | 179.66      | 12,364.7              | -230.1       | -16.1        | 230.0                   | 12.00                   | 12.00                  | -0.04                 |
| 12,475.0              | 62.69           | 179.65      | 12,376.8              | -252.0       | -16.0        | 251.9                   | 12.00                   | 12.00                  | -0.04                 |
| 12,500.0              | 65.69           | 179.65      | 12,387.7              | -274.5       | -15.9        | 274.4                   | 12.00                   | 12.00                  | -0.03                 |
| 12,513.2              | 67.27           | 179.64      | 12,392.9              | -286.6       | -15.8        | 286.5                   | 12.00                   | 12.00                  | -0.03                 |
| FTP(Ant 9 Fed #701H)  |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,525.0              | 68.69           | 179.64      | 12,397.4              | -297.6       | -15.7        | 297.5                   | 12.00                   | 12.00                  | -0.03                 |
| 12,550.0              | 71.69           | 179.63      | 12,405.8              | -321.1       | -15.6        | 321.0                   | 12.00                   | 12.00                  | -0.03                 |
| 12,575.0              | 74.69           | 179.62      | 12,413.1              | -345.0       | -15.4        | 344.9                   | 12.00                   | 12.00                  | -0.03                 |
| 12,600.0              | 77.69           | 179.62      | 12,419.0              | -369.3       | -15.3        | 369.2                   | 12.00                   | 12.00                  | -0.03                 |
| 12,625.0              | 80.69           | 179.61      | 12,423.7              | -393.8       | -15.1        | 393.8                   | 12.00                   | 12.00                  | -0.03                 |
| 12,650.0              | 83.69           | 179.60      | 12,427.1              | -418.6       | -14.9        | 418.5                   | 12.00                   | 12.00                  | -0.03                 |
| 12,675.0              | 86.69           | 179.59      | 12,429.2              | -443.5       | -14.8        | 443.4                   | 12.00                   | 12.00                  | -0.03                 |
| 12,700.0              | 89.69           | 179.59      | 12,430.0              | -468.5       | -14.6        | 468.4                   | 12.00                   | 12.00                  | -0.03                 |
| 12,702.6              | 90.00           | 179.59      | 12,430.0              | -471.1       | -14.6        | 471.0                   | 12.00                   | 12.00                  | -0.03                 |
| 12,800.0              | 90.00           | 179.59      | 12,430.0              | -568.5       | -13.9        | 568.4                   | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0              | 90.00           | 179.59      | 12,430.0              | -668.5       | -13.1        | 668.4                   | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0              | 90.00           | 179.59      | 12,430.0              | -768.5       | -12.4        | 768.4                   | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 90.00           | 179.59      | 12,430.0              | -868.5       | -11.7        | 868.4                   | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0              | 90.00           | 179.59      | 12,430.0              | -968.5       | -11.0        | 968.4                   | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 90.00           | 179.59      | 12,430.0              | -1,068.5     | -10.3        | 1,068.4                 | 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: Antietam 9 Fed Com  
Well: #701H  
Wellbore: OH  
Design: Plan #0.2

Local Co-ordinate Reference: Well #701H  
TVD Reference: KB = 25 @ 3463.0usft (Precision #612)  
MD Reference: KB = 25 @ 3463.0usft (Precision #612)  
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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 13,400.0              | 90.00           | 179.59      | 12,430.0              | -1,168.5     | -9.5         | 1,168.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.00           | 179.59      | 12,430.0              | -1,268.5     | -8.8         | 1,268.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.00           | 179.59      | 12,430.0              | -1,368.5     | -8.1         | 1,368.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.00           | 179.59      | 12,430.0              | -1,468.5     | -7.4         | 1,468.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.00           | 179.59      | 12,430.0              | -1,568.5     | -6.7         | 1,568.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.00           | 179.59      | 12,430.0              | -1,668.5     | -5.9         | 1,668.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.00           | 179.59      | 12,430.0              | -1,768.5     | -5.2         | 1,768.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.00           | 179.59      | 12,430.0              | -1,868.5     | -4.5         | 1,868.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.00           | 179.59      | 12,430.0              | -1,968.5     | -3.8         | 1,968.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.00           | 179.59      | 12,430.0              | -2,068.5     | -3.1         | 2,068.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.00           | 179.59      | 12,430.0              | -2,168.5     | -2.3         | 2,168.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.00           | 179.59      | 12,430.0              | -2,268.5     | -1.6         | 2,268.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.00           | 179.59      | 12,430.0              | -2,368.5     | -0.9         | 2,368.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.00           | 179.59      | 12,430.0              | -2,468.4     | -0.2         | 2,468.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.00           | 179.59      | 12,430.0              | -2,568.4     | 0.5          | 2,568.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.00           | 179.59      | 12,430.0              | -2,668.4     | 1.3          | 2,668.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.00           | 179.59      | 12,430.0              | -2,768.4     | 2.0          | 2,768.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.00           | 179.59      | 12,430.0              | -2,868.4     | 2.7          | 2,868.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.00           | 179.59      | 12,430.0              | -2,968.4     | 3.4          | 2,968.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.00           | 179.59      | 12,430.0              | -3,068.4     | 4.2          | 3,068.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.00           | 179.59      | 12,430.0              | -3,168.4     | 4.9          | 3,168.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.00           | 179.59      | 12,430.0              | -3,268.4     | 5.6          | 3,268.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.00           | 179.59      | 12,430.0              | -3,368.4     | 6.3          | 3,368.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.00           | 179.59      | 12,430.0              | -3,468.4     | 7.0          | 3,468.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.00           | 179.59      | 12,430.0              | -3,568.4     | 7.8          | 3,568.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.00           | 179.59      | 12,430.0              | -3,668.4     | 8.5          | 3,668.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.00           | 179.59      | 12,430.0              | -3,768.4     | 9.2          | 3,768.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.00           | 179.59      | 12,430.0              | -3,868.4     | 9.9          | 3,868.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.00           | 179.59      | 12,430.0              | -3,968.4     | 10.6         | 3,968.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.00           | 179.59      | 12,430.0              | -4,068.4     | 11.4         | 4,068.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.00           | 179.59      | 12,430.0              | -4,168.4     | 12.1         | 4,168.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.00           | 179.59      | 12,430.0              | -4,268.4     | 12.8         | 4,268.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.00           | 179.59      | 12,430.0              | -4,368.4     | 13.5         | 4,368.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.00           | 179.59      | 12,430.0              | -4,468.4     | 14.2         | 4,468.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.00           | 179.59      | 12,430.0              | -4,568.4     | 15.0         | 4,568.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.00           | 179.59      | 12,430.0              | -4,668.4     | 15.7         | 4,668.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.00           | 179.59      | 12,430.0              | -4,768.4     | 16.4         | 4,768.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.00           | 179.59      | 12,430.0              | -4,868.4     | 17.1         | 4,868.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 90.00           | 179.59      | 12,430.0              | -4,968.4     | 17.8         | 4,968.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 90.00           | 179.59      | 12,430.0              | -5,068.4     | 18.6         | 5,068.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.00           | 179.59      | 12,430.0              | -5,168.4     | 19.3         | 5,168.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.00           | 179.59      | 12,430.0              | -5,268.4     | 20.0         | 5,268.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.00           | 179.59      | 12,430.0              | -5,368.4     | 20.7         | 5,368.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.00           | 179.59      | 12,430.0              | -5,468.4     | 21.4         | 5,468.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.00           | 179.59      | 12,430.0              | -5,568.4     | 22.2         | 5,568.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.00           | 179.59      | 12,430.0              | -5,668.4     | 22.9         | 5,668.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.00           | 179.59      | 12,430.0              | -5,768.4     | 23.6         | 5,768.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.00           | 179.59      | 12,430.0              | -5,868.4     | 24.3         | 5,868.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.00           | 179.59      | 12,430.0              | -5,968.4     | 25.0         | 5,968.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 90.00           | 179.59      | 12,430.0              | -6,068.4     | 25.8         | 6,068.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 90.00           | 179.59      | 12,430.0              | -6,168.4     | 26.5         | 6,168.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 90.00           | 179.59      | 12,430.0              | -6,268.4     | 27.2         | 6,268.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0              | 90.00           | 179.59      | 12,430.0              | -6,368.3     | 27.9         | 6,368.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0              | 90.00           | 179.59      | 12,430.0              | -6,468.3     | 28.6         | 6,468.4                 | 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:** Antietam 9 Fed Com  
**Well:** #701H  
**Wellbore:** OH  
**Design:** Plan #0.2

**Local Co-ordinate Reference:** Well #701H  
**TVD Reference:** KB = 25 @ 3463.0usft (Precision #612)  
**MD Reference:** KB = 25 @ 3463.0usft (Precision #612)  
**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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 18,800.0              | 90.00           | 179.59      | 12,430.0              | -6,568.3     | 29.4         | 6,568.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0              | 90.00           | 179.59      | 12,430.0              | -6,668.3     | 30.1         | 6,668.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0              | 90.00           | 179.59      | 12,430.0              | -6,768.3     | 30.8         | 6,768.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,100.0              | 90.00           | 179.59      | 12,430.0              | -6,868.3     | 31.5         | 6,868.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,200.0              | 90.00           | 179.59      | 12,430.0              | -6,968.3     | 32.2         | 6,968.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0              | 90.00           | 179.59      | 12,430.0              | -7,068.3     | 33.0         | 7,068.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0              | 90.00           | 179.59      | 12,430.0              | -7,168.3     | 33.7         | 7,168.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0              | 90.00           | 179.59      | 12,430.0              | -7,268.3     | 34.4         | 7,268.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0              | 90.00           | 179.59      | 12,430.0              | -7,368.3     | 35.1         | 7,368.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0              | 90.00           | 179.59      | 12,430.0              | -7,468.3     | 35.8         | 7,468.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,800.0              | 90.00           | 179.59      | 12,430.0              | -7,568.3     | 36.6         | 7,568.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,860.7              | 90.00           | 179.59      | 12,430.0              | -7,629.0     | 37.0         | 7,629.1                 | 0.00                    | 0.00                   | 0.00                  |
| PBHL(Ant 9 Fed #701H) |                 |             |                       |              |              |                         |                         |                        |                       |

### Design Targets

| Target Name                                                                                | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude        | Longitude        |
|--------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|------------------|
| - hit/miss target                                                                          |               |              |            |              |              |                 |                |                 |                  |
| - Shape                                                                                    |               |              |            |              |              |                 |                |                 |                  |
| PBHL(Ant 9 Fed #701H)                                                                      | 0.00          | 0.00         | 12,430.0   | -7,629.0     | 37.0         | 412,223.00      | 731,894.00     | 32° 7' 51.964 N | 103° 35' 3.181 W |
| - plan hits target center                                                                  |               |              |            |              |              |                 |                |                 |                  |
| - Point                                                                                    |               |              |            |              |              |                 |                |                 |                  |
| FTP(Ant 9 Fed #701H)                                                                       | 0.00          | 0.01         | 12,430.0   | -271.0       | -16.0        | 419,581.00      | 731,841.00     | 32° 9' 4.780 N  | 103° 35' 3.202 W |
| - plan misses target center by 40.2usft at 12513.2usft MD (12392.9 TVD, -286.6 N, -15.8 E) |               |              |            |              |              |                 |                |                 |                  |
| - Point                                                                                    |               |              |            |              |              |                 |                |                 |                  |