



Lea County, NM (NAD 83 NME)

Convoy 28 State Com #703H

Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level

WELL DETAILS: #703H

KB = 25 @ 3551.0usft 3526.0  
Northing 435250.00 Easting 776227.00 Latitude 32° 11' 39.479 N Longitude 103° 34' 26.400 W

Azimuths to Grid North  
True North: -0.41°  
Magnetic North: 6.50°  
Magnetic Field  
Strength: 47872.7snT  
Dip Angle: 60.03°  
Date: 11/30/2017  
Model: IGRF2015

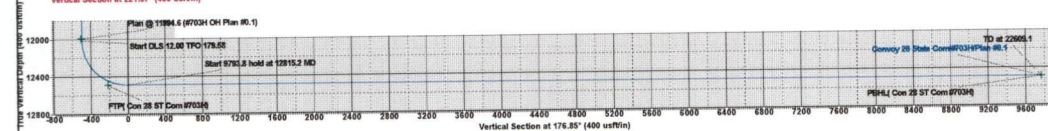
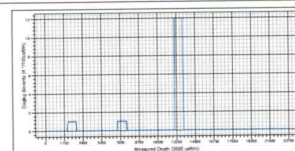
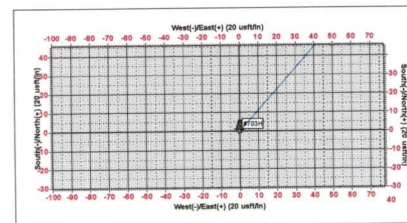
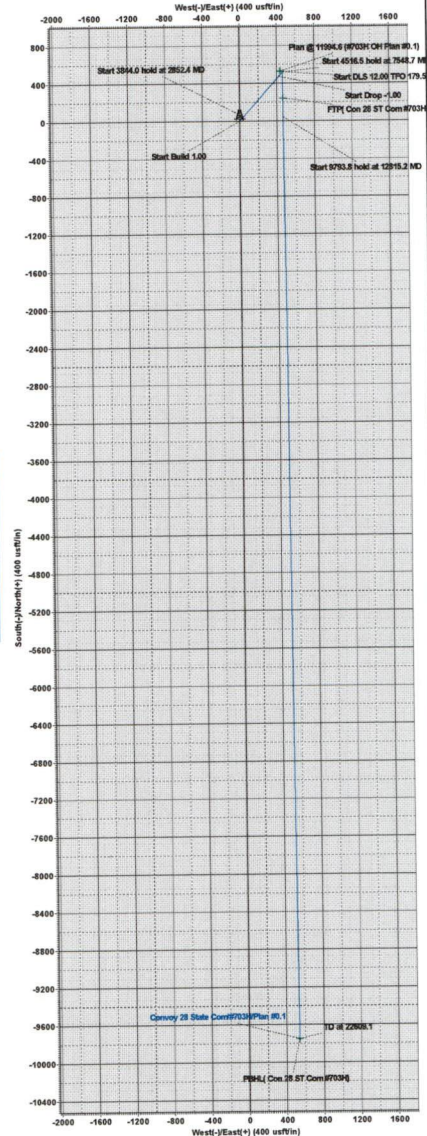
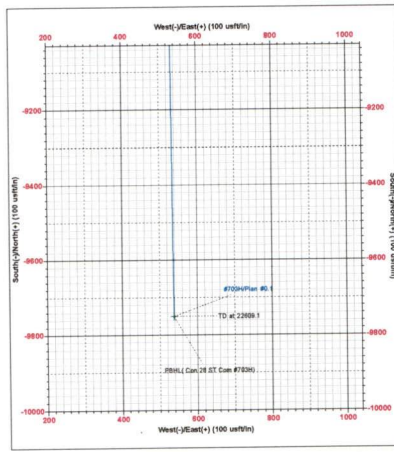
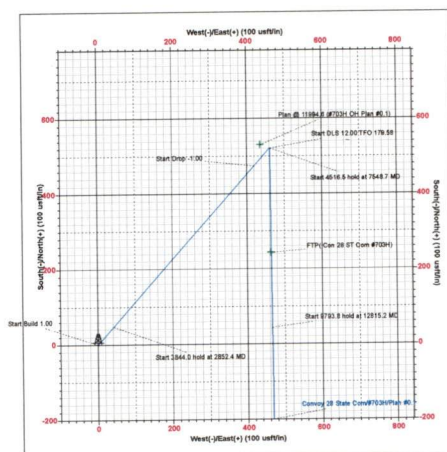
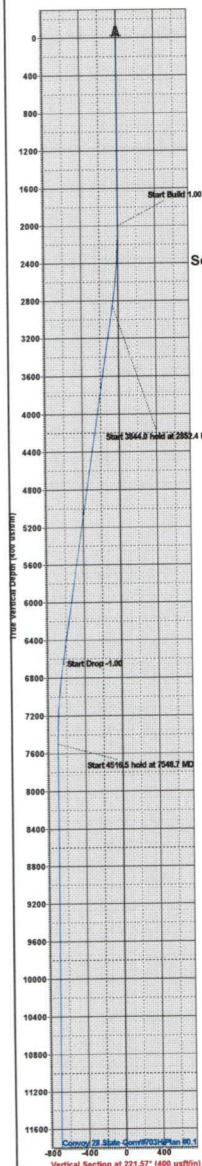
To convert a Magnetic Direction to a Grid Direction, Add 6.50°  
To convert a Magnetic Direction to a True Direction, Add 6.90° East  
To convert a True Direction to a Grid Direction, Subtract 0.40°

#### 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   | 2000.0  | 0.00  | 0.00   | 2000.0  | 0.0     | 0.0   | 0.00  | 0.00   | 0.0    |                            |
| 3   | 2852.4  | 8.52  | 41.57  | 2849.3  | 47.4    | 42.0  | 1.00  | 41.57  | -45.0  |                            |
| 4   | 6696.4  | 8.52  | 41.57  | 6650.7  | 473.6   | 420.0 | 0.00  | 0.00   | -449.8 |                            |
| 5   | 7548.7  | 0.00  | 0.00   | 7500.0  | 521.0   | 462.0 | 1.00  | 180.00 | -494.8 |                            |
| 6   | 12065.2 | 0.00  | 0.00   | 12016.5 | 521.0   | 462.0 | 0.00  | 0.00   | -494.8 |                            |
| 7   | 12815.2 | 90.00 | 179.58 | 12494.0 | 43.5    | 465.5 | 12.00 | 179.58 | -17.9  |                            |
| 8   | 22609.1 | 90.00 | 179.58 | 12494.0 | -9750.0 | 537.0 | 0.00  | 0.00   | 9764.8 | PBHL( Con 28 ST Com #703H) |

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

| Name                                | TVD     | +N/-S   | +E/-W | Northing  | Easting   |
|-------------------------------------|---------|---------|-------|-----------|-----------|
| Plan @ 11994.6 (#703H OH Plan #0.1) | 11994.6 | 529.4   | 435.6 | 435779.44 | 776662.66 |
| FTP( Con 28 ST Com #703H)           | 12494.0 | 243.0   | 463.0 | 435483.00 | 776590.00 |
| PBHL( Con 28 ST Com #703H)          | 12494.0 | -9750.0 | 537.0 | 425500.00 | 776764.00 |





## **EOG Resources - Midland**

Lea County, NM (NAD 83 NME)

Convoy 28 State Com

#703H

OH

Plan: Plan #0.1

## **Standard Planning Report**

06 December, 2017



|           |                             |                              |                      |
|-----------|-----------------------------|------------------------------|----------------------|
| Database: | EDM 5000.14                 | Local Co-ordinate Reference: | Well #703H           |
| Company:  | EOG Resources - Midland     | TVD Reference:               | KB = 25 @ 3551.0usft |
| Project:  | Lea County, NM (NAD 83 NME) | MD Reference:                | KB = 25 @ 3551.0usft |
| Site:     | Convoy 28 State Com         | North Reference:             | Grid                 |
| Well:     | #703H                       | Survey Calculation Method:   | Minimum Curvature    |
| Wellbore: | OH                          |                              |                      |
| Design:   | Plan #0.1                   |                              |                      |

|             |                             |               |                |
|-------------|-----------------------------|---------------|----------------|
| Project     | Lea County, NM (NAD 83 NME) |               |                |
| Map System: | US State Plane 1983         | System Datum: | Mean Sea Level |
| Geo Datum:  | North American Datum 1983   |               |                |
| Map Zone:   | New Mexico Eastern Zone     |               |                |

|                       |                     |              |                 |                   |                   |
|-----------------------|---------------------|--------------|-----------------|-------------------|-------------------|
| Site                  | Convoy 28 State Com |              |                 |                   |                   |
| Site Position:        |                     | Northing:    | 435,221.00 usft | Latitude:         | 32° 11' 39.126 N  |
| From:                 | Map                 | Easting:     | 777,172.00 usft | Longitude:        | 103° 34' 15.406 W |
| Position Uncertainty: | 0.0 usft            | Slot Radius: | 13-3/16 "       | Grid Convergence: | 0.41 °            |

|                      |       |             |                     |                 |               |                   |
|----------------------|-------|-------------|---------------------|-----------------|---------------|-------------------|
| Well                 | #703H |             |                     |                 |               |                   |
| Well Position        | +N/-S | 29.0 usft   | Northing:           | 435,250.00 usft | Latitude:     | 32° 11' 39.479 N  |
|                      | +E/-W | -945.0 usft | Easting:            | 776,227.00 usft | Longitude:    | 103° 34' 26.400 W |
| Position Uncertainty |       | 0.0 usft    | Wellhead Elevation: |                 | Ground Level: | 3,526.0 usft      |

| Wellbore  | OH         |             |                 |               |                     |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|           | IGRF2015   | 11/30/2017  | 6.90            | 60.03         | 47,872.73032446     |

|                   |                         |              |               |               |  |
|-------------------|-------------------------|--------------|---------------|---------------|--|
| Design            | Plan #0.1               |              |               |               |  |
| Audit Notes:      |                         |              |               |               |  |
| Version:          | Phase:                  | PLAN         | Tie On Depth: | 0.0           |  |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft)  | Direction (°) |  |
|                   | 0.0                     | 0.0          | 0.0           | 176.85        |  |

| Plan Survey Tool Program | Date            | 12/6/2017               |                |         |  |
|--------------------------|-----------------|-------------------------|----------------|---------|--|
| Depth From (usft)        | Depth To (usft) | Survey (Wellbore)       | Tool Name      | Remarks |  |
| 1                        | 0.0             | 22,609.1 Plan #0.1 (OH) | MWD            |         |  |
|                          |                 |                         | MWD - Standard |         |  |

| 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    |                    |
| 2,000.0               | 0.00            | 0.00        | 2,000.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 2,852.4               | 8.52            | 41.57       | 2,849.3               | 47.4         | 42.0         | 1.00                    | 1.00                   | 0.00                  | 41.57   |                    |
| 6,696.4               | 8.52            | 41.57       | 6,650.7               | 473.6        | 420.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 7,548.7               | 0.00            | 0.00        | 7,500.0               | 521.0        | 462.0        | 1.00                    | -1.00                  | 0.00                  | 180.00  |                    |
| 12,065.2              | 0.00            | 0.00        | 12,016.5              | 521.0        | 462.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 12,815.2              | 90.00           | 179.58      | 12,494.0              | 43.5         | 465.5        | 12.00                   | 12.00                  | 23.94                 | 179.58  |                    |
| 22,609.1              | 90.00           | 179.58      | 12,494.0              | -9,750.0     | 537.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL( Con 28 ST Co |



# Planning Report

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Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Convoy 28 State Com  
Well: #703H  
Wellbore: OH  
Design: Plan #0.1

Local Co-ordinate Reference:  
TVD Reference: KB = 25 @ 3551.0usft  
MD Reference: KB = 25 @ 3551.0usft  
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               | 1.00            | 41.57       | 2,100.0               | 0.7          | 0.6          | -0.6                    | 1.00                    | 1.00                   | 0.00                  |
| 2,200.0               | 2.00            | 41.57       | 2,200.0               | 2.6          | 2.3          | -2.5                    | 1.00                    | 1.00                   | 0.00                  |
| 2,300.0               | 3.00            | 41.57       | 2,299.9               | 5.9          | 5.2          | -5.6                    | 1.00                    | 1.00                   | 0.00                  |
| 2,400.0               | 4.00            | 41.57       | 2,399.7               | 10.4         | 9.3          | -9.9                    | 1.00                    | 1.00                   | 0.00                  |
| 2,500.0               | 5.00            | 41.57       | 2,499.4               | 16.3         | 14.5         | -15.5                   | 1.00                    | 1.00                   | 0.00                  |
| 2,600.0               | 6.00            | 41.57       | 2,598.9               | 23.5         | 20.8         | -22.3                   | 1.00                    | 1.00                   | 0.00                  |
| 2,700.0               | 7.00            | 41.57       | 2,698.3               | 32.0         | 28.3         | -30.3                   | 1.00                    | 1.00                   | 0.00                  |
| 2,800.0               | 8.00            | 41.57       | 2,797.4               | 41.7         | 37.0         | -39.6                   | 1.00                    | 1.00                   | 0.00                  |
| 2,852.4               | 8.52            | 41.57       | 2,849.3               | 47.4         | 42.0         | -45.0                   | 1.00                    | 1.00                   | 0.00                  |
| 2,900.0               | 8.52            | 41.57       | 2,896.3               | 52.6         | 46.7         | -50.0                   | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0               | 8.52            | 41.57       | 2,995.2               | 63.7         | 56.5         | -60.5                   | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0               | 8.52            | 41.57       | 3,094.1               | 74.8         | 66.3         | -71.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 8.52            | 41.57       | 3,193.0               | 85.9         | 76.2         | -81.6                   | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 8.52            | 41.57       | 3,291.9               | 97.0         | 86.0         | -92.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 8.52            | 41.57       | 3,390.8               | 108.1        | 95.8         | -102.6                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 8.52            | 41.57       | 3,489.7               | 119.2        | 105.7        | -113.2                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 8.52            | 41.57       | 3,588.6               | 130.3        | 115.5        | -123.7                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 8.52            | 41.57       | 3,687.5               | 141.4        | 125.3        | -134.2                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 8.52            | 41.57       | 3,786.4               | 152.4        | 135.2        | -144.8                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 8.52            | 41.57       | 3,885.3               | 163.5        | 145.0        | -155.3                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 8.52            | 41.57       | 3,984.2               | 174.6        | 154.8        | -165.8                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 8.52            | 41.57       | 4,083.1               | 185.7        | 164.7        | -176.4                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0               | 8.52            | 41.57       | 4,182.0               | 196.8        | 174.5        | -186.9                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0               | 8.52            | 41.57       | 4,280.9               | 207.9        | 184.3        | -197.4                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 8.52            | 41.57       | 4,379.8               | 219.0        | 194.2        | -208.0                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 8.52            | 41.57       | 4,478.7               | 230.1        | 204.0        | -218.5                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 8.52            | 41.57       | 4,577.6               | 241.2        | 213.9        | -229.0                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 8.52            | 41.57       | 4,676.5               | 252.3        | 223.7        | -239.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 8.52            | 41.57       | 4,775.3               | 263.3        | 233.5        | -250.1                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 8.52            | 41.57       | 4,874.2               | 274.4        | 243.4        | -260.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 8.52            | 41.57       | 4,973.1               | 285.5        | 253.2        | -271.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 8.52            | 41.57       | 5,072.0               | 296.6        | 263.0        | -281.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 8.52            | 41.57       | 5,170.9               | 307.7        | 272.9        | -292.2                  | 0.00                    | 0.00                   | 0.00                  |



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 Well: #703H  
 Wellbore: OH  
 Design: Plan #0.1

Local Co-ordinate Reference: Well #703H  
 TVD Reference: KB = 25 @ 3551.0usft  
 MD Reference: KB = 25 @ 3551.0usft  
 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               | 8.52            | 41.57       | 5,269.8               | 318.8        | 282.7        | -302.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0               | 8.52            | 41.57       | 5,368.7               | 329.9        | 292.5        | -313.3                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0               | 8.52            | 41.57       | 5,467.6               | 341.0        | 302.4        | -323.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0               | 8.52            | 41.57       | 5,566.5               | 352.1        | 312.2        | -334.4                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0               | 8.52            | 41.57       | 5,665.4               | 363.2        | 322.0        | -344.9                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0               | 8.52            | 41.57       | 5,764.3               | 374.2        | 331.9        | -355.4                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0               | 8.52            | 41.57       | 5,863.2               | 385.3        | 341.7        | -366.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0               | 8.52            | 41.57       | 5,962.1               | 396.4        | 351.5        | -376.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0               | 8.52            | 41.57       | 6,061.0               | 407.5        | 361.4        | -387.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0               | 8.52            | 41.57       | 6,159.9               | 418.6        | 371.2        | -397.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0               | 8.52            | 41.57       | 6,258.8               | 429.7        | 381.0        | -408.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0               | 8.52            | 41.57       | 6,357.7               | 440.8        | 390.9        | -418.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0               | 8.52            | 41.57       | 6,456.6               | 451.9        | 400.7        | -429.2                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0               | 8.52            | 41.57       | 6,555.5               | 463.0        | 410.5        | -439.7                  | 0.00                    | 0.00                   | 0.00                  |
| 6,696.4               | 8.52            | 41.57       | 6,650.7               | 473.6        | 420.0        | -449.8                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0               | 8.49            | 41.57       | 6,654.4               | 474.1        | 420.4        | -450.2                  | 1.00                    | -1.00                  | 0.00                  |
| 6,800.0               | 7.49            | 41.57       | 6,753.4               | 484.4        | 429.6        | -460.1                  | 1.00                    | -1.00                  | 0.00                  |
| 6,900.0               | 6.49            | 41.57       | 6,852.6               | 493.5        | 437.7        | -468.7                  | 1.00                    | -1.00                  | 0.00                  |
| 7,000.0               | 5.49            | 41.57       | 6,952.1               | 501.4        | 444.6        | -476.1                  | 1.00                    | -1.00                  | 0.00                  |
| 7,100.0               | 4.49            | 41.57       | 7,051.7               | 507.9        | 450.3        | -482.3                  | 1.00                    | -1.00                  | 0.00                  |
| 7,200.0               | 3.49            | 41.57       | 7,151.5               | 513.1        | 455.0        | -487.3                  | 1.00                    | -1.00                  | 0.00                  |
| 7,300.0               | 2.49            | 41.57       | 7,251.3               | 517.0        | 458.4        | -491.0                  | 1.00                    | -1.00                  | 0.00                  |
| 7,400.0               | 1.49            | 41.57       | 7,351.3               | 519.6        | 460.7        | -493.4                  | 1.00                    | -1.00                  | 0.00                  |
| 7,500.0               | 0.49            | 41.57       | 7,451.3               | 520.8        | 461.9        | -494.7                  | 1.00                    | -1.00                  | 0.00                  |
| 7,548.7               | 0.00            | 0.00        | 7,500.0               | 521.0        | 462.0        | -494.8                  | 1.00                    | -1.00                  | 0.00                  |
| 7,600.0               | 0.00            | 0.00        | 7,551.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0               | 0.00            | 0.00        | 7,651.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0               | 0.00            | 0.00        | 7,751.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0               | 0.00            | 0.00        | 7,851.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0               | 0.00            | 0.00        | 7,951.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0               | 0.00            | 0.00        | 8,051.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0               | 0.00            | 0.00        | 8,151.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0               | 0.00            | 0.00        | 8,251.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0               | 0.00            | 0.00        | 8,351.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0               | 0.00            | 0.00        | 8,451.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0               | 0.00            | 0.00        | 8,551.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0               | 0.00            | 0.00        | 8,651.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0               | 0.00            | 0.00        | 8,751.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0               | 0.00            | 0.00        | 8,851.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0               | 0.00            | 0.00        | 8,951.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0               | 0.00            | 0.00        | 9,051.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0               | 0.00            | 0.00        | 9,151.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,300.0               | 0.00            | 0.00        | 9,251.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0               | 0.00            | 0.00        | 9,351.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0               | 0.00            | 0.00        | 9,451.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0               | 0.00            | 0.00        | 9,551.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0               | 0.00            | 0.00        | 9,651.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0               | 0.00            | 0.00        | 9,751.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 0.00            | 0.00        | 9,851.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 0.00            | 0.00        | 9,951.3               | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 0.00            | 0.00        | 10,051.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 0.00            | 0.00        | 10,151.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 0.00            | 0.00        | 10,251.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 0.00            | 0.00        | 10,351.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |

|           |                             |                              |                      |
|-----------|-----------------------------|------------------------------|----------------------|
| Database: | EDM 5000.14                 | Local Co-ordinate Reference: | Well #703H           |
| Company:  | EOG Resources - Midland     | TVD Reference:               | KB = 25 @ 3551.0usft |
| Project:  | Lea County, NM (NAD 83 NME) | MD Reference:                | KB = 25 @ 3551.0usft |
| Site:     | Convoy 28 State Com         | North Reference:             | Grid                 |
| Well:     | #703H                       | Survey Calculation Method:   | Minimum Curvature    |
| Wellbore: | OH                          |                              |                      |
| Design:   | 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 10,500.0              | 0.00            | 0.00        | 10,451.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 0.00            | 0.00        | 10,551.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0              | 0.00            | 0.00        | 10,651.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 0.00            | 0.00        | 10,751.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0              | 0.00            | 0.00        | 10,851.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0              | 0.00            | 0.00        | 10,951.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0              | 0.00            | 0.00        | 11,051.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0              | 0.00            | 0.00        | 11,151.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0              | 0.00            | 0.00        | 11,251.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0              | 0.00            | 0.00        | 11,351.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0              | 0.00            | 0.00        | 11,451.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0              | 0.00            | 0.00        | 11,551.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0              | 0.00            | 0.00        | 11,651.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 0.00            | 0.00        | 11,751.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 0.00            | 0.00        | 11,851.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0              | 0.00            | 0.00        | 11,951.3              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 12,065.2              | 0.00            | 0.00        | 12,016.5              | 521.0        | 462.0        | -494.8                  | 0.00                    | 0.00                   | 0.00                  |
| 12,075.0              | 1.17            | 179.58      | 12,026.3              | 520.9        | 462.0        | -494.7                  | 12.00                   | 12.00                  | 0.00                  |
| 12,100.0              | 4.17            | 179.58      | 12,051.2              | 519.7        | 462.0        | -493.5                  | 12.00                   | 12.00                  | 0.00                  |
| 12,125.0              | 7.17            | 179.58      | 12,076.1              | 517.3        | 462.0        | -491.1                  | 12.00                   | 12.00                  | 0.00                  |
| 12,150.0              | 10.17           | 179.58      | 12,100.8              | 513.5        | 462.1        | -487.3                  | 12.00                   | 12.00                  | 0.00                  |
| 12,175.0              | 13.17           | 179.58      | 12,125.3              | 508.4        | 462.1        | -482.3                  | 12.00                   | 12.00                  | 0.00                  |
| 12,200.0              | 16.17           | 179.58      | 12,149.5              | 502.1        | 462.1        | -475.9                  | 12.00                   | 12.00                  | 0.00                  |
| 12,225.0              | 19.17           | 179.58      | 12,173.3              | 494.5        | 462.2        | -468.4                  | 12.00                   | 12.00                  | 0.00                  |
| 12,250.0              | 22.17           | 179.58      | 12,196.7              | 485.7        | 462.3        | -459.5                  | 12.00                   | 12.00                  | 0.00                  |
| 12,275.0              | 25.17           | 179.58      | 12,219.6              | 475.7        | 462.3        | -449.5                  | 12.00                   | 12.00                  | 0.00                  |
| 12,300.0              | 28.17           | 179.58      | 12,241.9              | 464.4        | 462.4        | -438.3                  | 12.00                   | 12.00                  | 0.00                  |
| 12,325.0              | 31.17           | 179.58      | 12,263.6              | 452.1        | 462.5        | -425.9                  | 12.00                   | 12.00                  | 0.00                  |
| 12,350.0              | 34.17           | 179.58      | 12,284.7              | 438.6        | 462.6        | -412.5                  | 12.00                   | 12.00                  | 0.00                  |
| 12,375.0              | 37.17           | 179.58      | 12,305.0              | 424.0        | 462.7        | -397.9                  | 12.00                   | 12.00                  | 0.00                  |
| 12,400.0              | 40.17           | 179.58      | 12,324.5              | 408.4        | 462.8        | -382.3                  | 12.00                   | 12.00                  | 0.00                  |
| 12,425.0              | 43.17           | 179.58      | 12,343.2              | 391.8        | 462.9        | -365.7                  | 12.00                   | 12.00                  | 0.00                  |
| 12,450.0              | 46.17           | 179.58      | 12,360.9              | 374.2        | 463.1        | -348.2                  | 12.00                   | 12.00                  | 0.00                  |
| 12,475.0              | 49.17           | 179.58      | 12,377.8              | 355.7        | 463.2        | -329.7                  | 12.00                   | 12.00                  | 0.00                  |
| 12,500.0              | 52.17           | 179.58      | 12,393.6              | 336.4        | 463.3        | -310.4                  | 12.00                   | 12.00                  | 0.00                  |
| 12,525.0              | 55.17           | 179.58      | 12,408.4              | 316.2        | 463.5        | -290.3                  | 12.00                   | 12.00                  | 0.00                  |
| 12,550.0              | 58.17           | 179.58      | 12,422.2              | 295.3        | 463.6        | -269.4                  | 12.00                   | 12.00                  | 0.00                  |
| 12,575.0              | 61.17           | 179.58      | 12,434.8              | 273.8        | 463.8        | -247.9                  | 12.00                   | 12.00                  | 0.00                  |
| 12,600.0              | 64.17           | 179.58      | 12,446.3              | 251.6        | 464.0        | -225.7                  | 12.00                   | 12.00                  | 0.00                  |
| 12,625.0              | 67.17           | 179.58      | 12,456.6              | 228.8        | 464.1        | -202.9                  | 12.00                   | 12.00                  | 0.00                  |
| 12,650.0              | 70.17           | 179.58      | 12,465.7              | 205.5        | 464.3        | -179.7                  | 12.00                   | 12.00                  | 0.00                  |
| 12,675.0              | 73.17           | 179.58      | 12,473.5              | 181.8        | 464.5        | -156.0                  | 12.00                   | 12.00                  | 0.00                  |
| 12,700.0              | 76.17           | 179.58      | 12,480.1              | 157.7        | 464.7        | -131.9                  | 12.00                   | 12.00                  | 0.00                  |
| 12,725.0              | 79.17           | 179.58      | 12,485.5              | 133.3        | 464.8        | -107.5                  | 12.00                   | 12.00                  | 0.00                  |
| 12,750.0              | 82.17           | 179.58      | 12,489.5              | 108.6        | 465.0        | -82.8                   | 12.00                   | 12.00                  | 0.00                  |
| 12,775.0              | 85.17           | 179.58      | 12,492.3              | 83.7         | 465.2        | -58.0                   | 12.00                   | 12.00                  | 0.00                  |
| 12,800.0              | 88.17           | 179.58      | 12,493.7              | 58.8         | 465.4        | -33.1                   | 12.00                   | 12.00                  | 0.00                  |
| 12,815.2              | 90.00           | 179.58      | 12,494.0              | 43.5         | 465.5        | -17.9                   | 12.00                   | 12.00                  | 0.00                  |
| 12,900.0              | 90.00           | 179.58      | 12,494.0              | -41.2        | 466.1        | 66.8                    | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0              | 90.00           | 179.58      | 12,494.0              | -141.2       | 466.8        | 166.7                   | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 90.00           | 179.58      | 12,494.0              | -241.2       | 467.6        | 266.6                   | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0              | 90.00           | 179.58      | 12,494.0              | -341.2       | 468.3        | 366.4                   | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 90.00           | 179.58      | 12,494.0              | -441.2       | 469.0        | 466.3                   | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.00           | 179.58      | 12,494.0              | -541.2       | 469.8        | 566.2                   | 0.00                    | 0.00                   | 0.00                  |



Database: EDM 5000.14  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Convoy 28 State Com  
Well: #703H  
Wellbore: OH  
Design: Plan #0.1

Local Co-ordinate Reference: Well #703H  
TVD Reference: KB = 25 @ 3551.0usft  
MD Reference: KB = 25 @ 3551.0usft  
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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 13,500.0              | 90.00           | 179.58      | 12,494.0              | -641.2       | 470.5        | 666.1                   | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.00           | 179.58      | 12,494.0              | -741.2       | 471.2        | 766.0                   | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.00           | 179.58      | 12,494.0              | -841.2       | 471.9        | 865.9                   | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.00           | 179.58      | 12,494.0              | -941.2       | 472.7        | 965.8                   | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.00           | 179.58      | 12,494.0              | -1,041.2     | 473.4        | 1,065.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.00           | 179.58      | 12,494.0              | -1,141.2     | 474.1        | 1,165.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.00           | 179.58      | 12,494.0              | -1,241.2     | 474.9        | 1,265.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.00           | 179.58      | 12,494.0              | -1,341.2     | 475.6        | 1,365.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.00           | 179.58      | 12,494.0              | -1,441.2     | 476.3        | 1,465.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.00           | 179.58      | 12,494.0              | -1,541.2     | 477.1        | 1,565.1                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.00           | 179.58      | 12,494.0              | -1,641.2     | 477.8        | 1,665.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.00           | 179.58      | 12,494.0              | -1,741.2     | 478.5        | 1,764.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.00           | 179.58      | 12,494.0              | -1,841.2     | 479.2        | 1,864.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.00           | 179.58      | 12,494.0              | -1,941.2     | 480.0        | 1,964.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.00           | 179.58      | 12,494.0              | -2,041.2     | 480.7        | 2,064.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.00           | 179.58      | 12,494.0              | -2,141.2     | 481.4        | 2,164.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.00           | 179.58      | 12,494.0              | -2,241.1     | 482.2        | 2,264.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.00           | 179.58      | 12,494.0              | -2,341.1     | 482.9        | 2,364.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.00           | 179.58      | 12,494.0              | -2,441.1     | 483.6        | 2,464.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.00           | 179.58      | 12,494.0              | -2,541.1     | 484.4        | 2,563.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.00           | 179.58      | 12,494.0              | -2,641.1     | 485.1        | 2,663.8                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.00           | 179.58      | 12,494.0              | -2,741.1     | 485.8        | 2,763.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.00           | 179.58      | 12,494.0              | -2,841.1     | 486.6        | 2,863.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.00           | 179.58      | 12,494.0              | -2,941.1     | 487.3        | 2,963.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.00           | 179.58      | 12,494.0              | -3,041.1     | 488.0        | 3,063.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.00           | 179.58      | 12,494.0              | -3,141.1     | 488.7        | 3,163.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.00           | 179.58      | 12,494.0              | -3,241.1     | 489.5        | 3,263.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.00           | 179.58      | 12,494.0              | -3,341.1     | 490.2        | 3,363.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.00           | 179.58      | 12,494.0              | -3,441.1     | 490.9        | 3,462.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.00           | 179.58      | 12,494.0              | -3,541.1     | 491.7        | 3,562.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.00           | 179.58      | 12,494.0              | -3,641.1     | 492.4        | 3,662.7                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.00           | 179.58      | 12,494.0              | -3,741.1     | 493.1        | 3,762.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.00           | 179.58      | 12,494.0              | -3,841.1     | 493.9        | 3,862.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.00           | 179.58      | 12,494.0              | -3,941.1     | 494.6        | 3,962.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.00           | 179.58      | 12,494.0              | -4,041.1     | 495.3        | 4,062.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.00           | 179.58      | 12,494.0              | -4,141.1     | 496.0        | 4,162.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.00           | 179.58      | 12,494.0              | -4,241.1     | 496.8        | 4,262.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 90.00           | 179.58      | 12,494.0              | -4,341.1     | 497.5        | 4,361.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 90.00           | 179.58      | 12,494.0              | -4,441.1     | 498.2        | 4,461.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.00           | 179.58      | 12,494.0              | -4,541.1     | 499.0        | 4,561.7                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.00           | 179.58      | 12,494.0              | -4,641.1     | 499.7        | 4,661.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.00           | 179.58      | 12,494.0              | -4,741.1     | 500.4        | 4,761.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.00           | 179.58      | 12,494.0              | -4,841.1     | 501.2        | 4,861.3                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.00           | 179.58      | 12,494.0              | -4,941.1     | 501.9        | 4,961.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.00           | 179.58      | 12,494.0              | -5,041.1     | 502.6        | 5,061.1                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.00           | 179.58      | 12,494.0              | -5,141.1     | 503.3        | 5,161.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.00           | 179.58      | 12,494.0              | -5,241.1     | 504.1        | 5,260.9                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.00           | 179.58      | 12,494.0              | -5,341.1     | 504.8        | 5,360.7                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 90.00           | 179.58      | 12,494.0              | -5,441.1     | 505.5        | 5,460.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 90.00           | 179.58      | 12,494.0              | -5,541.1     | 506.3        | 5,560.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 90.00           | 179.58      | 12,494.0              | -5,641.1     | 507.0        | 5,660.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0              | 90.00           | 179.58      | 12,494.0              | -5,741.1     | 507.7        | 5,760.3                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0              | 90.00           | 179.58      | 12,494.0              | -5,841.1     | 508.5        | 5,860.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0              | 90.00           | 179.58      | 12,494.0              | -5,941.1     | 509.2        | 5,960.1                 | 0.00                    | 0.00                   | 0.00                  |

|           |                             |                              |                      |
|-----------|-----------------------------|------------------------------|----------------------|
| Database: | EDM 5000.14                 | Local Co-ordinate Reference: | Well #703H           |
| Company:  | EOG Resources - Midland     | TVD Reference:               | KB = 25 @ 3551.0usft |
| Project:  | Lea County, NM (NAD 83 NME) | MD Reference:                | KB = 25 @ 3551.0usft |
| Site:     | Convoy 28 State Com         | North Reference:             | Grid                 |
| Well:     | #703H                       | Survey Calculation Method:   | Minimum Curvature    |
| Wellbore: | OH                          |                              |                      |
| Design:   | 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 18,900.0              | 90.00           | 179.58      | 12,494.0              | -6,041.0     | 509.9        | 6,059.9                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0              | 90.00           | 179.58      | 12,494.0              | -6,141.0     | 510.6        | 6,159.8                 | 0.00                    | 0.00                   | 0.00                  |
| 19,100.0              | 90.00           | 179.58      | 12,494.0              | -6,241.0     | 511.4        | 6,259.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,200.0              | 90.00           | 179.58      | 12,494.0              | -6,341.0     | 512.1        | 6,359.6                 | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0              | 90.00           | 179.58      | 12,494.0              | -6,441.0     | 512.8        | 6,459.5                 | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0              | 90.00           | 179.58      | 12,494.0              | -6,541.0     | 513.6        | 6,559.4                 | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0              | 90.00           | 179.58      | 12,494.0              | -6,641.0     | 514.3        | 6,659.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0              | 90.00           | 179.58      | 12,494.0              | -6,741.0     | 515.0        | 6,759.2                 | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0              | 90.00           | 179.58      | 12,494.0              | -6,841.0     | 515.8        | 6,859.0                 | 0.00                    | 0.00                   | 0.00                  |
| 19,800.0              | 90.00           | 179.58      | 12,494.0              | -6,941.0     | 516.5        | 6,958.9                 | 0.00                    | 0.00                   | 0.00                  |
| 19,900.0              | 90.00           | 179.58      | 12,494.0              | -7,041.0     | 517.2        | 7,058.8                 | 0.00                    | 0.00                   | 0.00                  |
| 20,000.0              | 90.00           | 179.58      | 12,494.0              | -7,141.0     | 517.9        | 7,158.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,100.0              | 90.00           | 179.58      | 12,494.0              | -7,241.0     | 518.7        | 7,258.6                 | 0.00                    | 0.00                   | 0.00                  |
| 20,200.0              | 90.00           | 179.58      | 12,494.0              | -7,341.0     | 519.4        | 7,358.5                 | 0.00                    | 0.00                   | 0.00                  |
| 20,300.0              | 90.00           | 179.58      | 12,494.0              | -7,441.0     | 520.1        | 7,458.4                 | 0.00                    | 0.00                   | 0.00                  |
| 20,400.0              | 90.00           | 179.58      | 12,494.0              | -7,541.0     | 520.9        | 7,558.2                 | 0.00                    | 0.00                   | 0.00                  |
| 20,500.0              | 90.00           | 179.58      | 12,494.0              | -7,641.0     | 521.6        | 7,658.1                 | 0.00                    | 0.00                   | 0.00                  |
| 20,600.0              | 90.00           | 179.58      | 12,494.0              | -7,741.0     | 522.3        | 7,758.0                 | 0.00                    | 0.00                   | 0.00                  |
| 20,700.0              | 90.00           | 179.58      | 12,494.0              | -7,841.0     | 523.1        | 7,857.9                 | 0.00                    | 0.00                   | 0.00                  |
| 20,800.0              | 90.00           | 179.58      | 12,494.0              | -7,941.0     | 523.8        | 7,957.8                 | 0.00                    | 0.00                   | 0.00                  |
| 20,900.0              | 90.00           | 179.58      | 12,494.0              | -8,041.0     | 524.5        | 8,057.7                 | 0.00                    | 0.00                   | 0.00                  |
| 21,000.0              | 90.00           | 179.58      | 12,494.0              | -8,141.0     | 525.3        | 8,157.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,100.0              | 90.00           | 179.58      | 12,494.0              | -8,241.0     | 526.0        | 8,257.4                 | 0.00                    | 0.00                   | 0.00                  |
| 21,200.0              | 90.00           | 179.58      | 12,494.0              | -8,341.0     | 526.7        | 8,357.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,300.0              | 90.00           | 179.58      | 12,494.0              | -8,441.0     | 527.4        | 8,457.2                 | 0.00                    | 0.00                   | 0.00                  |
| 21,400.0              | 90.00           | 179.58      | 12,494.0              | -8,541.0     | 528.2        | 8,557.1                 | 0.00                    | 0.00                   | 0.00                  |
| 21,500.0              | 90.00           | 179.58      | 12,494.0              | -8,641.0     | 528.9        | 8,657.0                 | 0.00                    | 0.00                   | 0.00                  |
| 21,600.0              | 90.00           | 179.58      | 12,494.0              | -8,741.0     | 529.6        | 8,756.9                 | 0.00                    | 0.00                   | 0.00                  |
| 21,700.0              | 90.00           | 179.58      | 12,494.0              | -8,841.0     | 530.4        | 8,856.8                 | 0.00                    | 0.00                   | 0.00                  |
| 21,800.0              | 90.00           | 179.58      | 12,494.0              | -8,941.0     | 531.1        | 8,956.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,900.0              | 90.00           | 179.58      | 12,494.0              | -9,041.0     | 531.8        | 9,056.5                 | 0.00                    | 0.00                   | 0.00                  |
| 22,000.0              | 90.00           | 179.58      | 12,494.0              | -9,141.0     | 532.6        | 9,156.4                 | 0.00                    | 0.00                   | 0.00                  |
| 22,100.0              | 90.00           | 179.58      | 12,494.0              | -9,241.0     | 533.3        | 9,256.3                 | 0.00                    | 0.00                   | 0.00                  |
| 22,200.0              | 90.00           | 179.58      | 12,494.0              | -9,341.0     | 534.0        | 9,356.2                 | 0.00                    | 0.00                   | 0.00                  |
| 22,300.0              | 90.00           | 179.58      | 12,494.0              | -9,441.0     | 534.7        | 9,456.1                 | 0.00                    | 0.00                   | 0.00                  |
| 22,400.0              | 90.00           | 179.58      | 12,494.0              | -9,541.0     | 535.5        | 9,556.0                 | 0.00                    | 0.00                   | 0.00                  |
| 22,500.0              | 90.00           | 179.58      | 12,494.0              | -9,641.0     | 536.2        | 9,655.9                 | 0.00                    | 0.00                   | 0.00                  |
| 22,609.1              | 90.00           | 179.58      | 12,494.0              | -9,750.0     | 537.0        | 9,764.8                 | 0.00                    | 0.00                   | 0.00                  |



|                  |                             |                                     |                      |
|------------------|-----------------------------|-------------------------------------|----------------------|
| <b>Database:</b> | EDM 5000.14                 | <b>Local Co-ordinate Reference:</b> | Well #703H           |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | KB = 25 @ 3551.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | KB = 25 @ 3551.0usft |
| <b>Site:</b>     | Convoy 28 State Com         | <b>North Reference:</b>             | Grid                 |
| <b>Well:</b>     | #703H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature    |
| <b>Wellbore:</b> | OH                          |                                     |                      |
| <b>Design:</b>   | Plan #0.1                   |                                     |                      |

#### Design Targets

| Target Name<br>- hit/miss target<br>- Shape                                                                                   | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude         | Longitude         |
|-------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|------------------|-------------------|
| Plan @ 11994.6 (#703H<br>- plan misses target center by 27.8usft at 12043.4usft MD (11994.6 TVD, 521.0 N, 462.0 E)<br>- Point | 0.00             | 0.00            | 11,994.6      | 529.4           | 435.6           | 435,779.44         | 776,662.55        | 32° 11' 44.688 N | 103° 34' 21.288 W |
| FTP( Con 28 ST Com #7<br>- plan misses target center by 40.0usft at 12625.4usft MD (12456.7 TVD, 228.4 N, 464.1 E)<br>- Point | 0.00             | 0.00            | 12,494.0      | 243.0           | 463.0           | 435,493.00         | 776,690.00        | 32° 11' 41.852 N | 103° 34' 20.992 W |
| PBHL( Con 28 ST Com i<br>- plan hits target center<br>- Point                                                                 | 0.00             | 0.00            | 12,494.0      | -9,750.0        | 537.0           | 425,500.00         | 776,764.00        | 32° 10' 2.963 N  | 103° 34' 20.954 W |