



Lea County, NM (NAD 27 NME)  
Lomas Rojas 26 State Com #704H  
H&P 260  
Plan #3

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: #704H

Ground Level: 3349.0  
KB = 25 @ 3370.00ft (H&P 260)  
Northing: 403430.99 Easting: 745451.00 Latitude: 32° 8' 24.001 N Longitude: 103° 32' 28.254 W

SECTION DETAILS

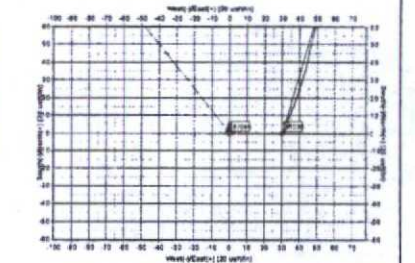
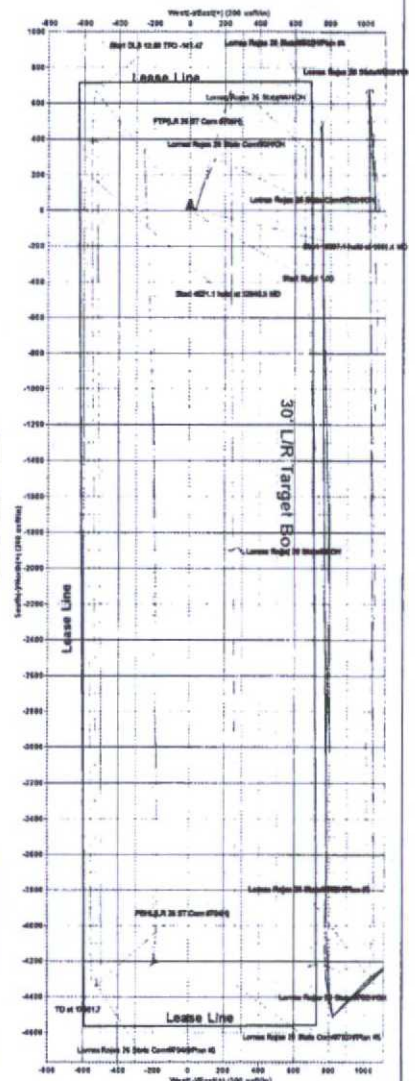
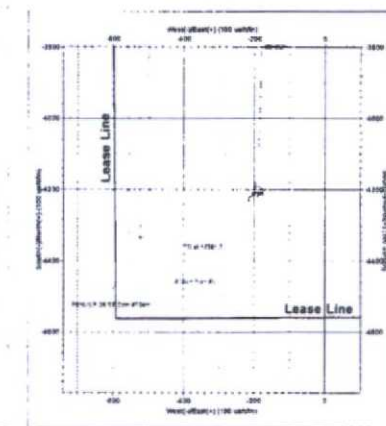
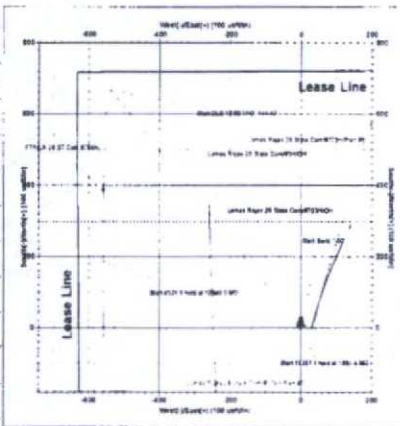
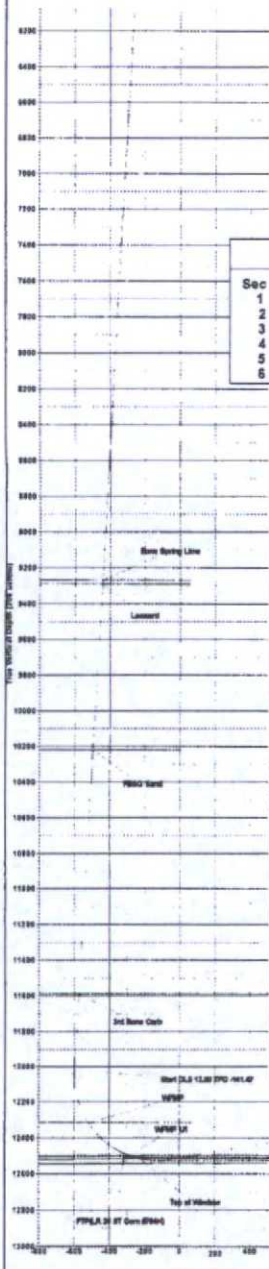
| Sec | MD      | Inc   | Azi    | TVD     | +N-S    | +E-W   | Dleg  | TFace   | VSeet  | Target                |
|-----|---------|-------|--------|---------|---------|--------|-------|---------|--------|-----------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0     | 0.0     | 0.0    | 0.00  | 0.00    | 0.0    |                       |
| 2   | 1200.0  | 0.00  | 0.00   | 1200.0  | 0.0     | 0.0    | 0.00  | 0.00    | 0.0    |                       |
| 3   | 1661.4  | 4.61  | 321.12 | 1660.9  | 14.5    | -11.7  | 1.00  | 321.12  | -13.0  |                       |
| 4   | 12058.5 | 4.61  | 321.12 | 12024.3 | 665.6   | -536.7 | 0.00  | 0.00    | -596.5 |                       |
| 5   | 12840.5 | 90.23 | 179.55 | 12531.2 | 187.0   | -559.4 | 12.00 | -141.47 | -118.7 |                       |
| 6   | 17361.7 | 90.23 | 179.55 | 12513.0 | -4334.0 | -523.0 | 0.00  | 0.00    | 4365.4 | PBHLR 26 ST Com #704H |

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                  | TVD     | +N-S   | +E-W   | Northing  | Easting   |
|-----------------------|---------|--------|--------|-----------|-----------|
| PBHLR 26 ST Com #704H | 12813.0 | 4334.0 | -623.0 | 39907.00  | 744828.00 |
| PTPLR 26 ST Com #704H | 12813.0 | 387.0  | -680.0 | 403016.00 | 744891.00 |



DEC 31 2015



## **EOG Resources - Midland**

Lea County, NM (NAD 27 NME)

Lomas Rojas 26 State Com

#704H

OH

Plan: Plan #3

## **Standard Planning Report**

18 December, 2015



# EOG Resources, Inc.

## Planning Report

**Database:** EDM 5000.1 Single User Db  
**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 27 NME)  
**Site:** Lomas Rojas 26 State Com  
**Well:** #704H  
**Wellbore:** OH  
**Design:** Plan #3

**Local Co-ordinate Reference:** Well #704H  
**TVD Reference:** KB = 25 @ 3370.0usft (H&P 260)  
**MD Reference:** KB = 25 @ 3370.0usft (H&P 260)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

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

|                              |                          |                          |                   |
|------------------------------|--------------------------|--------------------------|-------------------|
| <b>Site</b>                  | Lomas Rojas 26 State Com |                          |                   |
| <b>Site Position:</b>        |                          | <b>Northing:</b>         | 403,820.30 usft   |
| <b>From:</b>                 | Map                      | <b>Easting:</b>          | 745,192.70 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft                 | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                          | <b>Latitude:</b>         | 32° 6' 27.873 N   |
|                              |                          | <b>Longitude:</b>        | 103° 32' 29.253 W |
|                              |                          | <b>Grid Convergence:</b> | 0.42 "            |

|                             |          |                            |                                  |
|-----------------------------|----------|----------------------------|----------------------------------|
| <b>Well</b>                 | #704H    |                            |                                  |
| <b>Well Position</b>        | +N/-S    | -389.3 usft                | <b>Northing:</b> 403,430.99 usft |
|                             | +E/-W    | 258.3 usft                 | <b>Easting:</b> 745,451.00 usft  |
| <b>Position Uncertainty</b> | 0.0 usft | <b>Wellhead Elevation:</b> | 0.0 usft                         |
|                             |          | <b>Latitude:</b>           | 32° 6' 24.001 N                  |
|                             |          | <b>Longitude:</b>          | 103° 32' 26.284 W                |
|                             |          | <b>Ground Level:</b>       | 3,345.0 usft                     |

|                 |    |  |  |
|-----------------|----|--|--|
| <b>Wellbore</b> | OH |  |  |
|-----------------|----|--|--|

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
|           | IGRF2015   | 1/6/2016    | 7.09            | 59.98         | 48.021              |

|               |         |  |  |
|---------------|---------|--|--|
| <b>Design</b> | Plan #3 |  |  |
|---------------|---------|--|--|

**Audit Notes:**

|                 |               |      |                      |     |
|-----------------|---------------|------|----------------------|-----|
| <b>Version:</b> | <b>Phase:</b> | PLAN | <b>Tie On Depth:</b> | 0.0 |
|-----------------|---------------|------|----------------------|-----|

| Vertical Section: | Depth From (TVD)<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Direction<br>(°) |
|-------------------|----------------------------|-----------------|-----------------|------------------|
|                   | 0.0                        | 0.0             | 0.0             | 186.88           |

| Plan Sections               |                    |                |                             |                 |                 |                               |                              |                             |            |                    |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|--------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) | TFO<br>(°) | Target             |
| 0.0                         | 0.00               | 0.00           | 0.0                         | 0.0             | 0.0             | 0.00                          | 0.00                         | 0.00                        | 0.00       |                    |
| 1,200.0                     | 0.00               | 0.00           | 1,200.0                     | 0.0             | 0.0             | 0.00                          | 0.00                         | 0.00                        | 0.00       |                    |
| 1,661.4                     | 4.61               | 321.12         | 1,660.9                     | 14.5            | -11.7           | 1.00                          | 1.00                         | 0.00                        | 321.12     |                    |
| 12,058.5                    | 4.61               | 321.12         | 12,024.3                    | 665.6           | -536.7          | 0.00                          | 0.00                         | 0.00                        | 0.00       |                    |
| 12,840.5                    | 90.23              | 179.55         | 12,531.2                    | 187.0           | -558.4          | 12.00                         | 10.95                        | -18.10                      | -141.47    |                    |
| 17,361.7                    | 90.23              | 179.55         | 12,513.0                    | -4,334.0        | -523.0          | 0.00                          | 0.00                         | 0.00                        | 0.00       | PBHL(LR 26 ST Com) |





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MD Reference: KB = 25 @ 3370.0usft (H&P 260)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

### Planned Survey

| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 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                        |
| 1,047.0                     | 0.00               | 0.00           | 1,047.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| <b>Rustler</b>              |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 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                     | 1.00               | 321.12         | 1,300.0                     | 0.7             | -0.5            | -0.6                          | 1.00                          | 1.00                         | 0.00                        |
| 1,400.0                     | 2.00               | 321.12         | 1,400.0                     | 2.7             | -2.2            | -2.4                          | 1.00                          | 1.00                         | 0.00                        |
| 1,442.1                     | 2.42               | 321.12         | 1,442.0                     | 4.0             | -3.2            | -3.6                          | 1.00                          | 1.00                         | 0.00                        |
| <b>Top of Salt</b>          |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 1,500.0                     | 3.00               | 321.12         | 1,499.9                     | 6.1             | -4.9            | -5.5                          | 1.00                          | 1.00                         | 0.00                        |
| 1,600.0                     | 4.00               | 321.12         | 1,599.7                     | 10.9            | -8.8            | -9.7                          | 1.00                          | 1.00                         | 0.00                        |
| 1,661.4                     | 4.61               | 321.12         | 1,660.9                     | 14.5            | -11.7           | -13.0                         | 1.00                          | 1.00                         | 0.00                        |
| 1,700.0                     | 4.61               | 321.12         | 1,699.4                     | 16.9            | -13.6           | -15.1                         | 0.00                          | 0.00                         | 0.00                        |
| 1,800.0                     | 4.61               | 321.12         | 1,799.1                     | 23.1            | -18.7           | -20.7                         | 0.00                          | 0.00                         | 0.00                        |
| 1,900.0                     | 4.61               | 321.12         | 1,898.7                     | 29.4            | -23.7           | -26.3                         | 0.00                          | 0.00                         | 0.00                        |
| 2,000.0                     | 4.61               | 321.12         | 1,998.4                     | 35.7            | -28.8           | -32.0                         | 0.00                          | 0.00                         | 0.00                        |
| 2,100.0                     | 4.61               | 321.12         | 2,098.1                     | 41.9            | -33.8           | -37.6                         | 0.00                          | 0.00                         | 0.00                        |
| 2,200.0                     | 4.61               | 321.12         | 2,197.8                     | 48.2            | -38.9           | -43.2                         | 0.00                          | 0.00                         | 0.00                        |
| 2,300.0                     | 4.61               | 321.12         | 2,297.4                     | 54.4            | -43.9           | -48.8                         | 0.00                          | 0.00                         | 0.00                        |
| 2,400.0                     | 4.61               | 321.12         | 2,397.1                     | 60.7            | -48.9           | -54.4                         | 0.00                          | 0.00                         | 0.00                        |
| 2,500.0                     | 4.61               | 321.12         | 2,496.8                     | 67.0            | -54.0           | -60.0                         | 0.00                          | 0.00                         | 0.00                        |
| 2,600.0                     | 4.61               | 321.12         | 2,596.5                     | 73.2            | -59.0           | -65.6                         | 0.00                          | 0.00                         | 0.00                        |
| 2,700.0                     | 4.61               | 321.12         | 2,696.1                     | 79.5            | -64.1           | -71.2                         | 0.00                          | 0.00                         | 0.00                        |
| 2,800.0                     | 4.61               | 321.12         | 2,795.8                     | 85.8            | -69.1           | -76.9                         | 0.00                          | 0.00                         | 0.00                        |
| 2,900.0                     | 4.61               | 321.12         | 2,895.5                     | 92.0            | -74.2           | -82.5                         | 0.00                          | 0.00                         | 0.00                        |
| 3,000.0                     | 4.61               | 321.12         | 2,995.2                     | 98.3            | -79.2           | -88.1                         | 0.00                          | 0.00                         | 0.00                        |
| 3,100.0                     | 4.61               | 321.12         | 3,094.8                     | 104.6           | -84.3           | -93.7                         | 0.00                          | 0.00                         | 0.00                        |
| 3,200.0                     | 4.61               | 321.12         | 3,194.5                     | 110.8           | -89.3           | -99.3                         | 0.00                          | 0.00                         | 0.00                        |
| 3,300.0                     | 4.61               | 321.12         | 3,294.2                     | 117.1           | -94.4           | -104.9                        | 0.00                          | 0.00                         | 0.00                        |
| 3,400.0                     | 4.61               | 321.12         | 3,393.9                     | 123.3           | -99.4           | -110.5                        | 0.00                          | 0.00                         | 0.00                        |
| 3,500.0                     | 4.61               | 321.12         | 3,493.5                     | 129.6           | -104.5          | -116.1                        | 0.00                          | 0.00                         | 0.00                        |
| 3,600.0                     | 4.61               | 321.12         | 3,593.2                     | 135.9           | -109.5          | -121.8                        | 0.00                          | 0.00                         | 0.00                        |
| 3,700.0                     | 4.61               | 321.12         | 3,692.9                     | 142.1           | -114.6          | -127.4                        | 0.00                          | 0.00                         | 0.00                        |
| 3,800.0                     | 4.61               | 321.12         | 3,792.6                     | 148.4           | -119.6          | -133.0                        | 0.00                          | 0.00                         | 0.00                        |
| 3,900.0                     | 4.61               | 321.12         | 3,892.2                     | 154.7           | -124.7          | -138.6                        | 0.00                          | 0.00                         | 0.00                        |
| 4,000.0                     | 4.61               | 321.12         | 3,991.9                     | 160.9           | -129.7          | -144.2                        | 0.00                          | 0.00                         | 0.00                        |
| 4,100.0                     | 4.61               | 321.12         | 4,091.6                     | 167.2           | -134.8          | -149.8                        | 0.00                          | 0.00                         | 0.00                        |
| 4,200.0                     | 4.61               | 321.12         | 4,191.3                     | 173.4           | -139.8          | -155.4                        | 0.00                          | 0.00                         | 0.00                        |
| 4,300.0                     | 4.61               | 321.12         | 4,290.9                     | 179.7           | -144.9          | -161.1                        | 0.00                          | 0.00                         | 0.00                        |
| 4,400.0                     | 4.61               | 321.12         | 4,390.6                     | 186.0           | -149.9          | -166.7                        | 0.00                          | 0.00                         | 0.00                        |
| 4,500.0                     | 4.61               | 321.12         | 4,490.3                     | 192.2           | -155.0          | -172.3                        | 0.00                          | 0.00                         | 0.00                        |
| 4,600.0                     | 4.61               | 321.12         | 4,590.0                     | 198.5           | -160.0          | -177.9                        | 0.00                          | 0.00                         | 0.00                        |
| 4,700.0                     | 4.61               | 321.12         | 4,689.7                     | 204.8           | -165.1          | -183.5                        | 0.00                          | 0.00                         | 0.00                        |
| 4,800.0                     | 4.61               | 321.12         | 4,789.3                     | 211.0           | -170.1          | -189.1                        | 0.00                          | 0.00                         | 0.00                        |



# EOG Resources, Inc.

## Planning Report

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Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 27 NME)  
Site: Lomas Rojas 26 State Com  
Well: #704H  
Wellbore: OH  
Design: Plan #3

Local Co-ordinate Reference: Well #704H  
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)  
MD Reference: KB = 25 @ 3370.0usft (H&P 260)  
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) |
|-------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 4,895.0                 | 4.61            | 321.12      | 4,884.0               | 217.0        | -174.9       | -194.4                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Base of Salt</b>     |                 |             |                       |              |              |                         |                         |                        |                       |
| 4,900.0                 | 4.61            | 321.12      | 4,889.0               | 217.3        | -175.2       | -194.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0                 | 4.61            | 321.12      | 4,988.7               | 223.5        | -180.2       | -200.3                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0                 | 4.61            | 321.12      | 5,088.4               | 229.8        | -185.3       | -206.0                  | 0.00                    | 0.00                   | 0.00                  |
| 5,147.8                 | 4.61            | 321.12      | 5,136.0               | 232.8        | -187.7       | -208.6                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Lamar</b>            |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,192.9                 | 4.61            | 321.12      | 5,181.0               | 235.6        | -190.0       | -211.2                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Bell Canyon</b>      |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,200.0                 | 4.61            | 321.12      | 5,188.0               | 236.1        | -190.3       | -211.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0                 | 4.61            | 321.12      | 5,287.7               | 242.3        | -195.4       | -217.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0                 | 4.61            | 321.12      | 5,387.4               | 248.6        | -200.4       | -222.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0                 | 4.61            | 321.12      | 5,487.1               | 254.9        | -205.5       | -228.4                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0                 | 4.61            | 321.12      | 5,586.7               | 261.1        | -210.5       | -234.0                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0                 | 4.61            | 321.12      | 5,686.4               | 267.4        | -215.6       | -239.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0                 | 4.61            | 321.12      | 5,786.1               | 273.6        | -220.6       | -245.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0                 | 4.61            | 321.12      | 5,885.8               | 279.9        | -225.7       | -250.9                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0                 | 4.61            | 321.12      | 5,985.4               | 286.2        | -230.7       | -256.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0                 | 4.61            | 321.12      | 6,085.1               | 292.4        | -235.8       | -262.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0                 | 4.61            | 321.12      | 6,184.8               | 298.7        | -240.8       | -267.7                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0                 | 4.61            | 321.12      | 6,284.5               | 305.0        | -245.9       | -273.3                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0                 | 4.61            | 321.12      | 6,384.1               | 311.2        | -250.9       | -278.9                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0                 | 4.61            | 321.12      | 6,483.8               | 317.5        | -256.0       | -284.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0                 | 4.61            | 321.12      | 6,583.5               | 323.7        | -261.0       | -290.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0                 | 4.61            | 321.12      | 6,683.2               | 330.0        | -266.1       | -295.8                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0                 | 4.61            | 321.12      | 6,782.8               | 336.3        | -271.1       | -301.4                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0                 | 4.61            | 321.12      | 6,882.5               | 342.5        | -276.2       | -307.0                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0                 | 4.61            | 321.12      | 6,982.2               | 348.8        | -281.2       | -312.6                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0                 | 4.61            | 321.12      | 7,081.9               | 355.1        | -286.3       | -318.2                  | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0                 | 4.61            | 321.12      | 7,181.5               | 361.3        | -291.3       | -323.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0                 | 4.61            | 321.12      | 7,281.2               | 367.6        | -296.4       | -329.4                  | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0                 | 4.61            | 321.12      | 7,380.9               | 373.8        | -301.4       | -335.0                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0                 | 4.61            | 321.12      | 7,480.6               | 380.1        | -306.5       | -340.7                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0                 | 4.61            | 321.12      | 7,580.3               | 386.4        | -311.5       | -346.3                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0                 | 4.61            | 321.12      | 7,679.9               | 392.6        | -316.6       | -351.9                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0                 | 4.61            | 321.12      | 7,779.6               | 398.9        | -321.6       | -357.5                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0                 | 4.61            | 321.12      | 7,879.3               | 405.2        | -326.7       | -363.1                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0                 | 4.61            | 321.12      | 7,979.0               | 411.4        | -331.7       | -368.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0                 | 4.61            | 321.12      | 8,078.6               | 417.7        | -336.8       | -374.3                  | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0                 | 4.61            | 321.12      | 8,178.3               | 423.9        | -341.8       | -379.9                  | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0                 | 4.61            | 321.12      | 8,278.0               | 430.2        | -346.9       | -385.6                  | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0                 | 4.61            | 321.12      | 8,377.7               | 436.5        | -351.9       | -391.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0                 | 4.61            | 321.12      | 8,477.3               | 442.7        | -357.0       | -396.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0                 | 4.61            | 321.12      | 8,577.0               | 449.0        | -362.0       | -402.4                  | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0                 | 4.61            | 321.12      | 8,676.7               | 455.3        | -367.1       | -408.0                  | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0                 | 4.61            | 321.12      | 8,776.4               | 461.5        | -372.1       | -413.6                  | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0                 | 4.61            | 321.12      | 8,876.0               | 467.8        | -377.2       | -419.2                  | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0                 | 4.61            | 321.12      | 8,975.7               | 474.1        | -382.2       | -424.8                  | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0                 | 4.61            | 321.12      | 9,075.4               | 480.3        | -387.3       | -430.5                  | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0                 | 4.61            | 321.12      | 9,175.1               | 486.6        | -392.3       | -436.1                  | 0.00                    | 0.00                   | 0.00                  |
| 9,296.2                 | 4.61            | 321.12      | 9,271.0               | 492.6        | -397.2       | -441.5                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Bone Spring Lime</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,300.0                 | 4.61            | 321.12      | 9,274.7               | 492.8        | -397.4       | -441.7                  | 0.00                    | 0.00                   | 0.00                  |





# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 27 NME)  
Site: Lomas Rojas 26 State Com  
Well: #704H  
Wellbore: OH  
Design: Plan #3

Local Co-ordinate Reference: Well #704H  
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)  
MD Reference: KB = 25 @ 3370.0usft (H&P 260)  
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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 9,316.3               | 4.61            | 321.12      | 9,291.0               | 493.9        | -398.2       | -442.6                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Leonard</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,400.0               | 4.61            | 321.12      | 9,374.4               | 499.1        | -402.4       | -447.3                  | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0               | 4.61            | 321.12      | 9,474.1               | 505.4        | -407.5       | -452.9                  | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0               | 4.61            | 321.12      | 9,573.8               | 511.6        | -412.5       | -458.5                  | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0               | 4.61            | 321.12      | 9,673.4               | 517.9        | -417.6       | -464.1                  | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0               | 4.61            | 321.12      | 9,773.1               | 524.2        | -422.6       | -469.7                  | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 4.61            | 321.12      | 9,872.8               | 530.4        | -427.7       | -475.4                  | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 4.61            | 321.12      | 9,972.5               | 536.7        | -432.7       | -481.0                  | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 4.61            | 321.12      | 10,072.2              | 542.9        | -437.8       | -486.6                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 4.61            | 321.12      | 10,171.8              | 549.2        | -442.8       | -492.2                  | 0.00                    | 0.00                   | 0.00                  |
| 10,249.3              | 4.61            | 321.12      | 10,221.0              | 552.3        | -445.3       | -495.0                  | 0.00                    | 0.00                   | 0.00                  |
| <b>FBSG Sand</b>      |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,300.0              | 4.61            | 321.12      | 10,271.5              | 555.5        | -447.9       | -497.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 4.61            | 321.12      | 10,371.2              | 561.7        | -452.9       | -503.4                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 4.61            | 321.12      | 10,470.9              | 568.0        | -458.0       | -509.0                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 4.61            | 321.12      | 10,570.5              | 574.3        | -463.0       | -514.6                  | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0              | 4.61            | 321.12      | 10,670.2              | 580.5        | -468.1       | -520.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 4.61            | 321.12      | 10,769.9              | 586.8        | -473.1       | -525.9                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0              | 4.61            | 321.12      | 10,869.6              | 593.0        | -478.2       | -531.5                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0              | 4.61            | 321.12      | 10,969.2              | 599.3        | -483.2       | -537.1                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0              | 4.61            | 321.12      | 11,068.9              | 605.6        | -488.3       | -542.7                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0              | 4.61            | 321.12      | 11,168.6              | 611.8        | -493.3       | -548.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0              | 4.61            | 321.12      | 11,268.3              | 618.1        | -498.4       | -553.9                  | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0              | 4.61            | 321.12      | 11,367.9              | 624.4        | -503.4       | -559.5                  | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0              | 4.61            | 321.12      | 11,467.6              | 630.6        | -508.5       | -565.2                  | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0              | 4.61            | 321.12      | 11,567.3              | 636.9        | -513.5       | -570.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,623.8              | 4.61            | 321.12      | 11,591.0              | 638.4        | -514.7       | -572.1                  | 0.00                    | 0.00                   | 0.00                  |
| <b>3rd Bone Carb</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,700.0              | 4.61            | 321.12      | 11,667.0              | 643.1        | -518.5       | -576.4                  | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 4.61            | 321.12      | 11,766.6              | 649.4        | -523.6       | -582.0                  | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 4.61            | 321.12      | 11,866.3              | 655.7        | -528.6       | -587.6                  | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0              | 4.61            | 321.12      | 11,966.0              | 661.9        | -533.7       | -593.2                  | 0.00                    | 0.00                   | 0.00                  |
| 12,058.5              | 4.61            | 321.12      | 12,024.3              | 665.6        | -536.7       | -596.5                  | 0.00                    | 0.00                   | 0.00                  |
| 12,075.0              | 3.30            | 299.16      | 12,040.8              | 666.3        | -537.5       | -597.2                  | 12.00                   | -7.94                  | -132.96               |
| 12,100.0              | 3.18            | 244.06      | 12,065.7              | 666.4        | -538.7       | -597.0                  | 12.00                   | -0.48                  | -220.40               |
| 12,125.0              | 5.23            | 212.82      | 12,090.7              | 665.1        | -540.0       | -595.6                  | 12.00                   | 8.18                   | -124.96               |
| 12,150.0              | 7.91            | 200.74      | 12,115.5              | 662.6        | -541.2       | -593.0                  | 12.00                   | 10.72                  | -48.32                |
| 12,175.0              | 10.76           | 194.88      | 12,140.2              | 658.7        | -542.4       | -589.0                  | 12.00                   | 11.40                  | -23.46                |
| 12,200.0              | 13.67           | 191.47      | 12,164.6              | 653.6        | -543.6       | -583.7                  | 12.00                   | 11.65                  | -13.64                |
| 12,225.0              | 16.61           | 189.24      | 12,188.7              | 647.1        | -544.8       | -577.2                  | 12.00                   | 11.77                  | -8.90                 |
| 12,250.0              | 19.57           | 187.68      | 12,212.5              | 639.4        | -545.9       | -569.4                  | 12.00                   | 11.84                  | -6.28                 |
| 12,275.0              | 22.54           | 186.51      | 12,235.8              | 630.5        | -547.0       | -560.5                  | 12.00                   | 11.88                  | -4.68                 |
| 12,300.0              | 25.52           | 185.60      | 12,258.6              | 620.4        | -548.1       | -550.3                  | 12.00                   | 11.91                  | -3.64                 |
| 12,325.0              | 28.50           | 184.86      | 12,280.9              | 609.1        | -549.1       | -538.9                  | 12.00                   | 11.93                  | -2.92                 |
| 12,350.0              | 31.49           | 184.26      | 12,302.6              | 596.6        | -550.1       | -526.4                  | 12.00                   | 11.94                  | -2.41                 |
| 12,370.7              | 33.96           | 183.83      | 12,320.0              | 585.5        | -550.9       | -515.3                  | 12.00                   | 11.95                  | -2.06                 |
| <b>WFMP</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,375.0              | 34.47           | 183.75      | 12,323.5              | 583.1        | -551.0       | -512.9                  | 12.00                   | 11.95                  | -1.90                 |
| 12,400.0              | 37.46           | 183.32      | 12,343.8              | 568.4        | -551.9       | -498.2                  | 12.00                   | 11.98                  | -1.75                 |
| 12,425.0              | 40.45           | 182.94      | 12,363.2              | 552.7        | -552.8       | -482.5                  | 12.00                   | 11.98                  | -1.52                 |
| 12,450.0              | 43.45           | 182.60      | 12,381.8              | 536.0        | -553.6       | -465.9                  | 12.00                   | 11.97                  | -1.35                 |
| 12,475.0              | 46.44           | 182.30      | 12,399.5              | 518.4        | -554.4       | -448.2                  | 12.00                   | 11.97                  | -1.21                 |



# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 27 NME)  
Site: Lomas Rojas 26 State Com  
Well: #704H  
Wellbore: OH  
Design: Plan #3

Local Co-ordinate Reference: Well #704H  
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)  
MD Reference: KB = 25 @ 3370.0usft (H&P 260)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

### Planned Survey

| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 12,500.0                    | 49.43              | 182.02         | 12,416.2                    | 499.8           | -555.1          | -429.8                        | 12.00                         | 11.97                        | -1.09                       |
| 12,525.0                    | 52.42              | 181.78         | 12,432.0                    | 480.5           | -555.7          | -410.4                        | 12.00                         | 11.97                        | -1.00                       |
| 12,550.0                    | 55.42              | 181.54         | 12,446.7                    | 460.3           | -556.3          | -390.3                        | 12.00                         | 11.98                        | -0.92                       |
| 12,575.0                    | 58.41              | 181.33         | 12,460.4                    | 439.3           | -556.8          | -369.4                        | 12.00                         | 11.98                        | -0.86                       |
| 12,600.0                    | 61.41              | 181.13         | 12,472.9                    | 417.7           | -557.3          | -347.9                        | 12.00                         | 11.98                        | -0.80                       |
| 12,625.0                    | 64.40              | 180.94         | 12,484.3                    | 395.4           | -557.7          | -325.8                        | 12.00                         | 11.98                        | -0.76                       |
| 12,650.0                    | 67.40              | 180.76         | 12,494.5                    | 372.6           | -558.0          | -303.1                        | 12.00                         | 11.98                        | -0.72                       |
| 12,650.2                    | 67.40              | 180.76         | 12,494.6                    | 372.4           | -558.0          | -302.9                        | 0.00                          | 0.00                         | 0.00                        |
| FTP(LR 26 ST Com #704H)     |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 12,672.2                    | 70.06              | 180.61         | 12,502.5                    | 351.9           | -558.3          | -282.5                        | 12.13                         | 12.11                        | -0.70                       |
| WFMP U1                     |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 12,675.0                    | 70.39              | 180.59         | 12,503.5                    | 349.3           | -558.3          | -279.9                        | 12.00                         | 11.98                        | -0.68                       |
| 12,700.0                    | 73.39              | 180.42         | 12,511.3                    | 325.6           | -558.5          | -256.3                        | 12.00                         | 11.98                        | -0.67                       |
| 12,725.0                    | 76.39              | 180.26         | 12,517.8                    | 301.4           | -558.6          | -232.3                        | 12.00                         | 11.98                        | -0.65                       |
| 12,736.2                    | 77.72              | 180.19         | 12,520.3                    | 290.5           | -558.7          | -221.5                        | 12.00                         | 11.98                        | -0.63                       |
| Top of Window               |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 12,750.0                    | 79.38              | 180.10         | 12,523.0                    | 277.0           | -558.7          | -208.0                        | 12.00                         | 11.98                        | -0.63                       |
| 12,775.0                    | 82.38              | 179.95         | 12,527.0                    | 252.3           | -558.7          | -183.5                        | 12.00                         | 11.98                        | -0.62                       |
| 12,800.0                    | 85.38              | 179.80         | 12,529.6                    | 227.4           | -558.7          | -158.9                        | 12.00                         | 11.98                        | -0.61                       |
| 12,825.0                    | 88.37              | 179.64         | 12,531.0                    | 202.5           | -558.5          | -134.1                        | 12.00                         | 11.98                        | -0.60                       |
| 12,840.5                    | 90.23              | 179.55         | 12,531.2                    | 187.0           | -558.4          | -118.7                        | 12.00                         | 11.98                        | -0.60                       |
| 12,900.0                    | 90.23              | 179.55         | 12,531.0                    | 127.5           | -558.0          | -59.7                         | 0.00                          | 0.00                         | 0.00                        |
| 13,000.0                    | 90.23              | 179.55         | 12,530.6                    | 27.5            | -557.2          | 39.5                          | 0.00                          | 0.00                         | 0.00                        |
| 13,100.0                    | 90.23              | 179.55         | 12,530.2                    | -72.5           | -558.4          | 138.6                         | 0.00                          | 0.00                         | 0.00                        |
| 13,200.0                    | 90.23              | 179.55         | 12,529.7                    | -172.5          | -555.6          | 237.8                         | 0.00                          | 0.00                         | 0.00                        |
| 13,300.0                    | 90.23              | 179.55         | 12,529.3                    | -272.5          | -554.8          | 337.0                         | 0.00                          | 0.00                         | 0.00                        |
| 13,400.0                    | 90.23              | 179.55         | 12,528.9                    | -372.5          | -554.0          | 436.2                         | 0.00                          | 0.00                         | 0.00                        |
| 13,500.0                    | 90.23              | 179.55         | 12,528.5                    | -472.5          | -553.3          | 535.4                         | 0.00                          | 0.00                         | 0.00                        |
| 13,600.0                    | 90.23              | 179.55         | 12,528.1                    | -572.5          | -552.5          | 634.5                         | 0.00                          | 0.00                         | 0.00                        |
| 13,700.0                    | 90.23              | 179.55         | 12,527.7                    | -672.5          | -551.7          | 733.7                         | 0.00                          | 0.00                         | 0.00                        |
| 13,800.0                    | 90.23              | 179.55         | 12,527.3                    | -772.5          | -550.9          | 832.9                         | 0.00                          | 0.00                         | 0.00                        |
| 13,900.0                    | 90.23              | 179.55         | 12,526.9                    | -872.5          | -550.1          | 932.1                         | 0.00                          | 0.00                         | 0.00                        |
| 14,000.0                    | 90.23              | 179.55         | 12,526.5                    | -972.5          | -549.3          | 1,031.3                       | 0.00                          | 0.00                         | 0.00                        |
| 14,100.0                    | 90.23              | 179.55         | 12,526.1                    | -1,072.5        | -548.6          | 1,130.5                       | 0.00                          | 0.00                         | 0.00                        |
| 14,200.0                    | 90.23              | 179.55         | 12,525.7                    | -1,172.5        | -547.8          | 1,229.6                       | 0.00                          | 0.00                         | 0.00                        |
| 14,300.0                    | 90.23              | 179.55         | 12,525.3                    | -1,272.5        | -547.0          | 1,328.8                       | 0.00                          | 0.00                         | 0.00                        |
| 14,400.0                    | 90.23              | 179.55         | 12,524.9                    | -1,372.5        | -546.2          | 1,428.0                       | 0.00                          | 0.00                         | 0.00                        |
| 14,500.0                    | 90.23              | 179.55         | 12,524.5                    | -1,472.4        | -545.4          | 1,527.2                       | 0.00                          | 0.00                         | 0.00                        |
| 14,600.0                    | 90.23              | 179.55         | 12,524.1                    | -1,572.4        | -544.6          | 1,626.4                       | 0.00                          | 0.00                         | 0.00                        |
| 14,700.0                    | 90.23              | 179.55         | 12,523.7                    | -1,672.4        | -543.9          | 1,725.6                       | 0.00                          | 0.00                         | 0.00                        |
| 14,800.0                    | 90.23              | 179.55         | 12,523.3                    | -1,772.4        | -543.1          | 1,824.7                       | 0.00                          | 0.00                         | 0.00                        |
| 14,900.0                    | 90.23              | 179.55         | 12,522.9                    | -1,872.4        | -542.3          | 1,923.9                       | 0.00                          | 0.00                         | 0.00                        |
| 15,000.0                    | 90.23              | 179.55         | 12,522.5                    | -1,972.4        | -541.5          | 2,023.1                       | 0.00                          | 0.00                         | 0.00                        |
| 15,031.1                    | 90.23              | 179.55         | 12,522.4                    | -2,003.5        | -541.3          | 2,054.0                       | 0.00                          | 0.00                         | 0.00                        |
| TGT#1(LR 26 ST Com #704H)   |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 15,100.0                    | 90.23              | 179.55         | 12,522.1                    | -2,072.4        | -540.7          | 2,122.3                       | 0.00                          | 0.00                         | 0.00                        |
| 15,200.0                    | 90.23              | 179.55         | 12,521.7                    | -2,172.4        | -539.9          | 2,221.5                       | 0.00                          | 0.00                         | 0.00                        |
| 15,300.0                    | 90.23              | 179.55         | 12,521.3                    | -2,272.4        | -539.2          | 2,320.6                       | 0.00                          | 0.00                         | 0.00                        |
| 15,400.0                    | 90.23              | 179.55         | 12,520.9                    | -2,372.4        | -538.4          | 2,419.8                       | 0.00                          | 0.00                         | 0.00                        |
| 15,500.0                    | 90.23              | 179.55         | 12,520.5                    | -2,472.4        | -537.6          | 2,519.0                       | 0.00                          | 0.00                         | 0.00                        |
| 15,600.0                    | 90.23              | 179.55         | 12,520.1                    | -2,572.4        | -536.8          | 2,618.2                       | 0.00                          | 0.00                         | 0.00                        |
| 15,700.0                    | 90.23              | 179.55         | 12,519.7                    | -2,672.4        | -536.0          | 2,717.4                       | 0.00                          | 0.00                         | 0.00                        |
| 15,800.0                    | 90.23              | 179.55         | 12,519.3                    | -2,772.4        | -535.2          | 2,816.6                       | 0.00                          | 0.00                         | 0.00                        |
| 15,900.0                    | 90.23              | 179.55         | 12,518.9                    | -2,872.4        | -534.5          | 2,915.7                       | 0.00                          | 0.00                         | 0.00                        |





# EOG Resources, Inc.

## Planning Report

Database: EDM 5000.1 Single User Db  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 27 NME)  
Site: Lomas Rojas 26 State Com  
Well: #704H  
Wellbore: OH  
Design: Plan #3

Local Co-ordinate Reference: Well #704H  
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)  
MD Reference: KB = 25 @ 3370.0usft (H&P 260)  
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) |
|----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 16,000.0                         | 90.23           | 179.55      | 12,518.5              | -2,972.4     | -533.7       | 3,014.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0                         | 90.23           | 179.55      | 12,518.1              | -3,072.4     | -532.9       | 3,114.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0                         | 90.23           | 179.55      | 12,517.7              | -3,172.4     | -532.1       | 3,213.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,231.3                         | 90.23           | 179.55      | 12,517.5              | -3,203.7     | -531.9       | 3,244.3                 | 0.00                    | 0.00                   | 0.00                  |
| <b>TGT#2(LR 26 ST Com #704H)</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 16,300.0                         | 90.23           | 179.55      | 12,517.3              | -3,272.4     | -531.3       | 3,312.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0                         | 90.23           | 179.55      | 12,516.9              | -3,372.4     | -530.5       | 3,411.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0                         | 90.23           | 179.55      | 12,516.5              | -3,472.4     | -529.8       | 3,510.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0                         | 90.23           | 179.55      | 12,516.1              | -3,572.4     | -529.0       | 3,610.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0                         | 90.23           | 179.55      | 12,515.7              | -3,672.4     | -528.2       | 3,709.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0                         | 90.23           | 179.55      | 12,515.3              | -3,772.4     | -527.4       | 3,808.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0                         | 90.23           | 179.55      | 12,514.9              | -3,872.4     | -526.6       | 3,907.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0                         | 90.23           | 179.55      | 12,514.5              | -3,972.4     | -525.8       | 4,006.7                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0                         | 90.23           | 179.55      | 12,514.1              | -4,072.3     | -525.1       | 4,105.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0                         | 90.23           | 179.55      | 12,513.7              | -4,172.3     | -524.3       | 4,205.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0                         | 90.23           | 179.55      | 12,513.2              | -4,272.3     | -523.5       | 4,304.3                 | 0.00                    | 0.00                   | 0.00                  |
| 17,361.7                         | 90.23           | 179.55      | 12,513.0              | -4,334.0     | -523.0       | 4,365.4                 | 0.00                    | 0.00                   | 0.00                  |
| <b>PBHL(LR 26 ST Com #704H)</b>  |                 |             |                       |              |              |                         |                         |                        |                       |

### 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(LR 26 ST Com #7                                                                       | 90.00         | 179.57       | 12,513.0   | -4,334.0     | -523.0       | 399,097.00      | 744,928.00     | 32° 5' 41.152 N | 103° 32' 32.733 W |
| - plan hits target center                                                                  |               |              |            |              |              |                 |                |                 |                   |
| - Rectangle (sides W60.0 H0.0 D4,721.3)                                                    |               |              |            |              |              |                 |                |                 |                   |
| FTP(LR 26 ST Com #70                                                                       | 0.00          | 0.00         | 12,532.0   | 387.0        | -560.0       | 403,818.00      | 744,891.00     | 32° 6' 27.872 N | 103° 32' 32.761 W |
| - plan misses target center by 40.2usft at 12650.2usft MD (12494.6 TVD, 372.4 N, -558.0 E) |               |              |            |              |              |                 |                |                 |                   |
| - Point                                                                                    |               |              |            |              |              |                 |                |                 |                   |

### Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name             | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------|
| 1,047.0               | 1,046.0               | Rustler          |           |         |                   |
| 1,442.1               | 1,441.0               | Top of Salt      |           |         |                   |
| 4,895.0               | 4,883.0               | Base of Salt     |           |         |                   |
| 5,147.8               | 5,135.0               | Lamar            |           |         |                   |
| 5,192.9               | 5,180.0               | Bell Canyon      |           |         |                   |
| 9,296.2               | 9,270.0               | Bone Spring Lime |           |         |                   |
| 9,316.3               | 9,290.0               | Leonard          |           |         |                   |
| 10,249.3              | 10,220.0              | FBSG Sand        |           |         |                   |
| 11,623.8              | 11,590.0              | 3rd Bone Carb    |           |         |                   |
| 12,370.7              | 12,319.0              | WFMP             |           |         |                   |
| 12,872.2              | 12,501.5              | WFMP U1          |           | 0.25    |                   |
| 12,736.2              | 12,519.3              | Top of Window    |           | 0.25    |                   |





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**Well:** #704H  
**Wellbore:** OH  
**Design:** Plan #3

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

Well #704H  
KB = 25 @ 3370.0usft (H&P 260)  
KB = 25 @ 3370.0usft (H&P 260)  
Grid  
Minimum Curvature