

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

|                                                                                                                                                     |  |                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other                    |  | 5. Lease Serial No.<br>NMNM122622               |
| 2. Name of Operator<br>EOG RESOURCES INCORPORATED                                                                                                   |  | 6. If Indian, Allottee or Tribe Name            |
| 3a. Address<br>MIDLAND, TX 79702                                                                                                                    |  | 7. If Unit or CA/Agreement, Name and/or No.     |
| 3b. Phone No. (include area code)<br>Ph: 432-686-0689                                                                                               |  | 8. Well Name and No.<br>DOGWOOD 23 FED COM 706H |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 23 T26S R33E SESW 194FSL 2387FWL<br>32.022228 N Lat, 103.543938 W Lon |  | 9. API Well No.<br>30-025-44097-00-X1           |
| 10. Field and Pool or Exploratory Area<br>RED HILLS-WOLFCAMP, WEST (GAS)                                                                            |  | 11. County or Parish, State<br>LEA COUNTY, NM   |

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |                                               |                                                    |                                           |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Change to Original A                      |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            | PD                                        |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

EOG Resources requests an amendment to our approved APD for this well to reflect changes in BHL and a 4-string casing design as attached.

Change BHL to: 100' FNL & 2560' FEL NWNE-14-26S-33E

**Carlsbad Field Office**  
**OCD Hobbs**

*All previous COAs still apply.*

|                                                                                                                                                                                                                                                                                  |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 14. I hereby certify that the foregoing is true and correct.<br>Electronic Submission #429348 verified by the BLM Well Information System<br>For EOG RESOURCES INCORPORATED, sent to the Hobbs<br>Committed to AFMS for processing by PRISCILLA PEREZ on 08/07/2018 (18PP1598SE) |                          |
| Name (Printed/Typed) STAN WAGNER                                                                                                                                                                                                                                                 | Title REGULATORY ANALYST |
| Signature (Electronic Submission)                                                                                                                                                                                                                                                | Date 07/31/2018          |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|                                                                                                                                                                                                                                                           |                                                                 |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------|
| Approved By <u>/s/Zota Stevens</u>                                                                                                                                                                                                                        | Title <b>Petroleum Engineer</b><br><b>Carlsbad Field Office</b> | Date <u>8-7-18</u> |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |                                                                 |                    |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

*REQUIRES NSL*

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

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                   |                                 |                                                        |
|-----------------------------------------|---------------------------------------------------|---------------------------------|--------------------------------------------------------|
| <sup>1</sup> API Number<br>30-025-44097 |                                                   | <sup>2</sup> Pool Code<br>98097 | <sup>3</sup> Pool Name<br>Sanders Tank; Upper Wolfcamp |
| <sup>4</sup> Property Code<br>319664    | <sup>5</sup> Property Name<br>DOGWOOD 23 FED COM  |                                 | <sup>6</sup> Well Number<br>#706H                      |
| <sup>7</sup> OGRID No.<br>7377          | <sup>8</sup> Operator Name<br>EOG RESOURCES, INC. |                                 | <sup>9</sup> Elevation<br>3304'                        |

<sup>10</sup>Surface Location

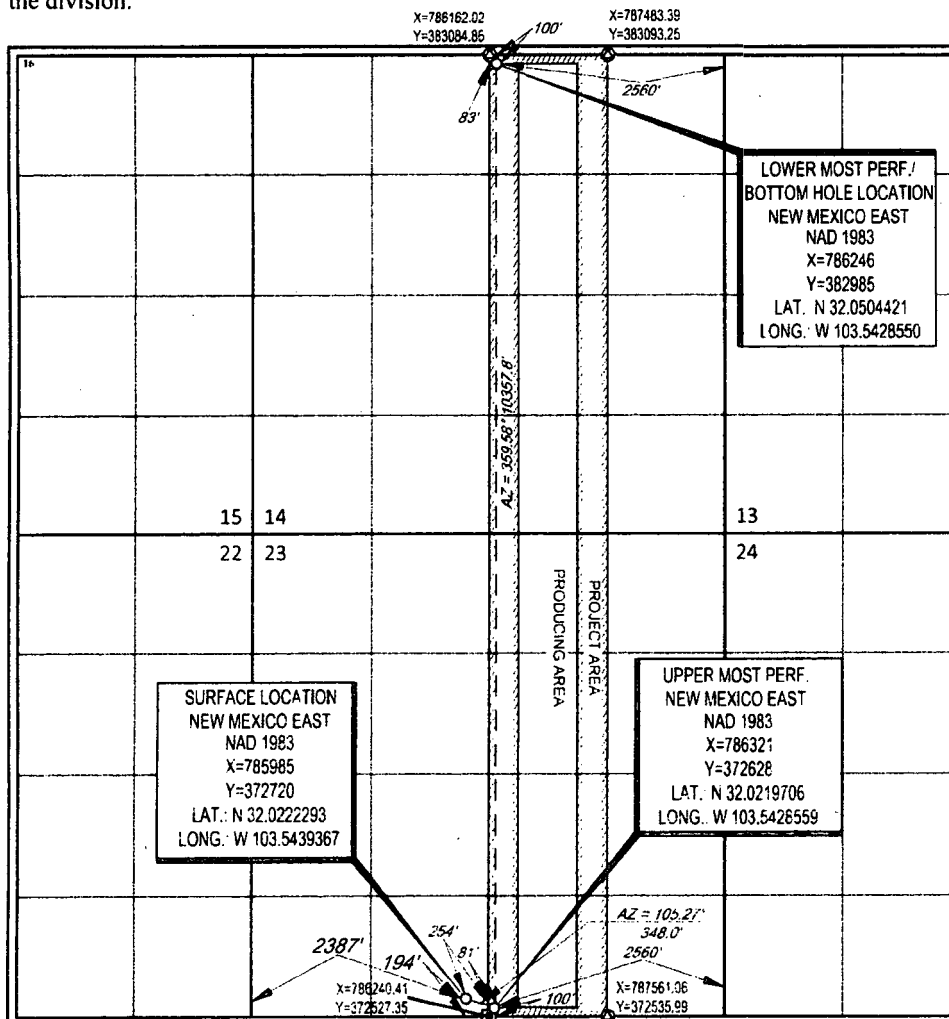
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N             | 23      | 26-S     | 33-E  | -       | 194'          | SOUTH            | 2387'         | WEST           | LEA    |

<sup>11</sup>Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B             | 14      | 26-S     | 33-E  | -       | 100'          | NORTH            | 2560'         | EAST           | LEA    |

|                                         |                               |                                  |                         |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>320.00 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



<sup>17</sup>OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Stan Wagner* Date: 7/30/18

Printed Name: Stan Wagner

E-mail Address:

<sup>18</sup>SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

Date of Survey: 12/28/2016  
Signature and Seal of Professional Surveyor: *Michael Brown*  
Certificate Number: 18329

Intent ☒ As Drilled ☐

API #  
30-025-44097

Operator Name:  
EOG Resources, Inc.

Property Name:  
Dogwood 23 Fed Com

Well Number  
706H

Kick Off Point (KOP)

| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| O        | 23      | 26S      | 33E   |     |           |          |      |          | Lea    |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

First Take Point (FTP)

| UL                        | Section | Township | Range | Lot | Feet                        | From N/S | Feet | From E/W | County    |
|---------------------------|---------|----------|-------|-----|-----------------------------|----------|------|----------|-----------|
| O                         | 23      | 26S      | 33E   |     | 100                         | South    | 2560 | East     | Lea       |
| Latitude<br>N 32..0219706 |         |          |       |     | Longitude<br>W -103.5428559 |          |      |          | NAD<br>83 |

Last Take Point (LTP)

| UL                       | Section | Township | Range | Lot | Feet                        | From N/S | Feet | From E/W | County    |
|--------------------------|---------|----------|-------|-----|-----------------------------|----------|------|----------|-----------|
| B                        | 14      | 26S      | 33E   |     | 100                         | North    | 2560 | East     | Lea       |
| Latitude<br>N 32.0504421 |         |          |       |     | Longitude<br>W -103.5428550 |          |      |          | NAD<br>83 |

Is this well the defining well for the Horizontal Spacing Unit?

☐ No

Is this well an infill well?

☐ Yes

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #  
30-025-44096

Operator Name:  
EOG Resources, Inc.

Property Name:  
Dogwood 23 Fed Com

Well Number  
705H

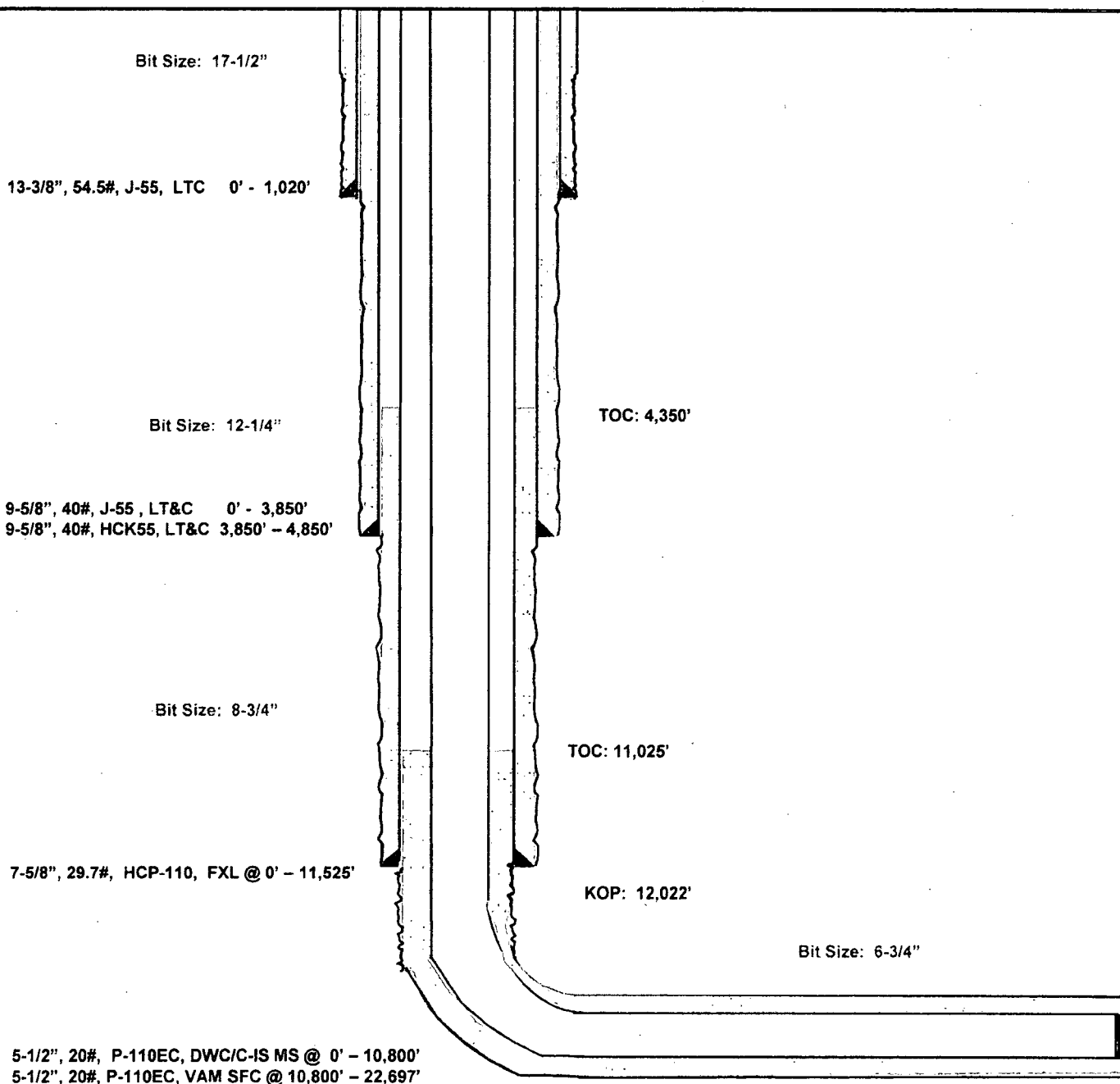
KZ 06/29/2018

# Dogwood 23 Fed Com #706H

194' FSL  
2387' FWL  
Section 23  
T-26-S, R-33-E

Lea County, New Mexico  
Proposed Wellbore  
Revised 7/27/18  
API: 30-025-44097

KB: 3,329'  
GL: 3,304'



Lateral: 22,697' MD. 12,500' TVD  
Upper Most Perf:  
100' FSL & 2560' FEL Sec. 23  
Lower Most Perf:  
100' FNL & 2560' FEL Sec. 14  
BH Location: 100' FNL & 2560' FEL  
Section 14  
T-26-S, R-33-E

**Revised Permit Information 7/27/18:**

Well Name: Dogwood 23 Fed Com No. 706H

**Location:**

SL: 194' FSL &amp; 2387' FWL, Section 23, T-26-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL &amp; 2560' FEL, Section 14, T-26-S, R-33-E, Lea Co., N.M.

**Casing Program:**

| Hole Size | Interval          | Csg OD  | Weight | Grade   | Conn        | DF <sub>min</sub> Collapse | DF <sub>min</sub> Burst | DF <sub>min</sub> Tension |
|-----------|-------------------|---------|--------|---------|-------------|----------------------------|-------------------------|---------------------------|
| 17.5"     | 0 – 1,020'        | 13.375" | 54.5#  | J55     | LTC         | 1.125                      | 1.25                    | 1.60                      |
| 12.25"    | 0 – 3,850'        | 9.625"  | 40#    | J55     | LTC         | 1.125                      | 1.25                    | 1.60                      |
| 12.25"    | 3,850' – 4,850'   | 9.625"  | 40#    | HCK55   | LTC         | 1.125                      | 1.25                    | 1.60                      |
| 8.75"     | 0 – 11,525'       | 7.625"  | 29.7#  | HCP-110 | FXL         | 1.125                      | 1.25                    | 1.60                      |
| 6.75"     | 0' – 11,025'      | 5.5"    | 20#    | P-110EC | DWC/C-IS MS | 1.125                      | 1.25                    | 1.60                      |
| 6.75"     | 11,025' - 22,697' | 5.5"    | 20#    | P-110EC | VAM SFC     | 1.125                      | 1.25                    | 1.60                      |

Variance is requested to wave the centralizer requirements for the 7-5/8" FJ casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to wave any centralizer requirements for the 5-1/2" FJ casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive the annular clearance requirements for the 5-1/2" casing by 7-5/8" casing annulus to the proposed top of cement.

**Cement Program:**

| Depth             | No. Sacks | Wt. ppg | Yld Ft <sup>3</sup> /ft | Mix Water Gal/sk | Slurry Description                                                                                            |
|-------------------|-----------|---------|-------------------------|------------------|---------------------------------------------------------------------------------------------------------------|
| 13-3/8"<br>1,010' | 600       | 13.5    | 1.73                    | 9.13             | Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl <sub>2</sub> + 0.25 lb/sk Cello-Flake (TOC @ Surface) |
|                   | 200       | 14.8    | 1.34                    | 6.34             | Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate                                |
| 9-5/8"<br>4,850'  | 1780      | 12.7    | 2.20                    | 11.64            | Lead: Class C + 0.15% C-20 + 11.63 pps Salt + 0.1% C-51 + 0.75% C-41P (TOC @ Surface)                         |
|                   | 200       | 16.0    | 1.12                    | 4.75             | Tail: Class C + 0.13% C-20                                                                                    |
| 7-5/8"<br>11,525' | 340       | 11.5    | 2.72                    | 15.70            | Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 4,350')                              |
|                   | 210       | 16.0    | 1.12                    | 4.74             | Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800                             |
| 5-1/2"<br>22,697' | 950       | 14.1    | 1.26                    | 5.80             | Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,025')                                |

**Mud Program:**

| Depth                        | Type        | Weight (ppg) | Viscosity | Water Loss |
|------------------------------|-------------|--------------|-----------|------------|
| 0 – 1,010'                   | Fresh - Gel | 8.6-8.8      | 28-34     | N/c        |
| 1,010' – 4,850'              | Brine       | 10.0-10.2    | 28-34     | N/c        |
| 4,850' – 11,525'             | Oil Base    | 8.7-9.4      | 58-68     | N/c - 6    |
| 11,525' – 22,697'<br>Lateral | Oil Base    | 10.0-14.0    | 58-68     | 3 - 6      |



Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com #706H

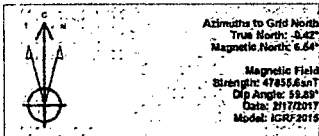
Plan #0.2

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: #706H

Ground Level: 3304.0  
KB = 25' @ 3329.0488  
Northing: 6327.20.00 Easting: 785955.00  
Latitude: 32° 1' 20.530 N Longitude: 103° 32' 34.165 W



To convert a Magnetic Direction to a Grid Direction, Add 5.54°  
To convert a Magnetic Direction to a True Direction, Add 6.98° East  
To convert a True Direction to a Grid Direction, Subtract 0.42°

SECTION DETAILS

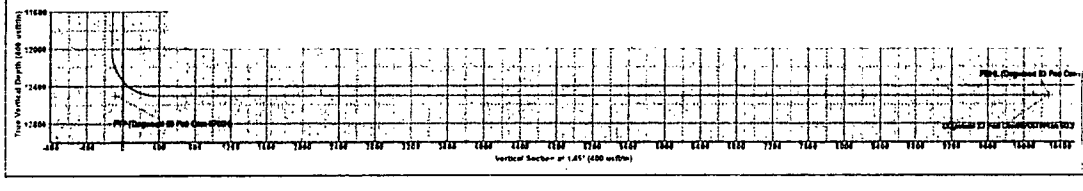
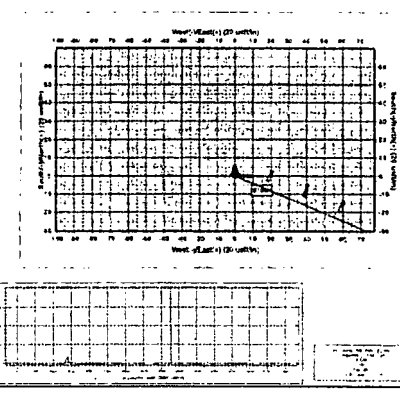
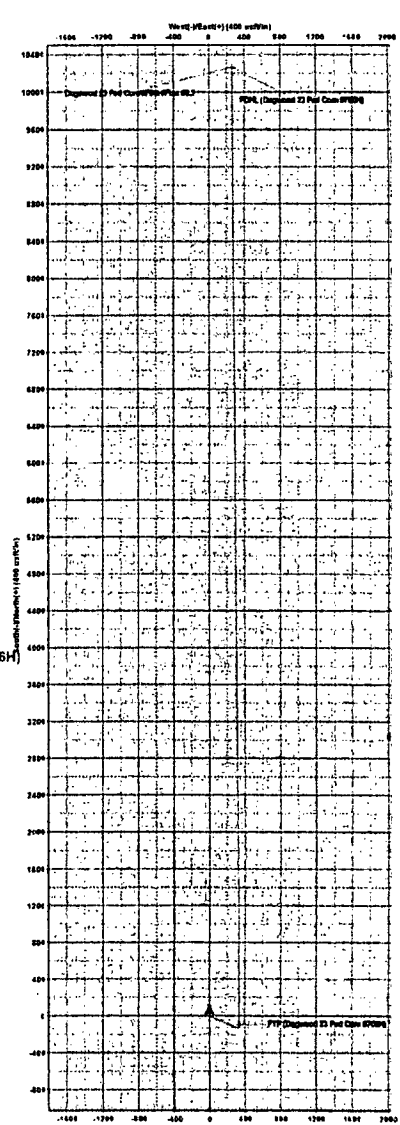
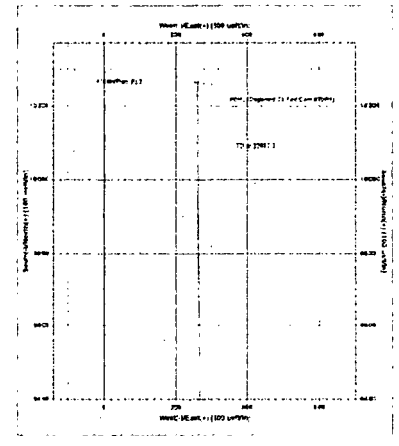
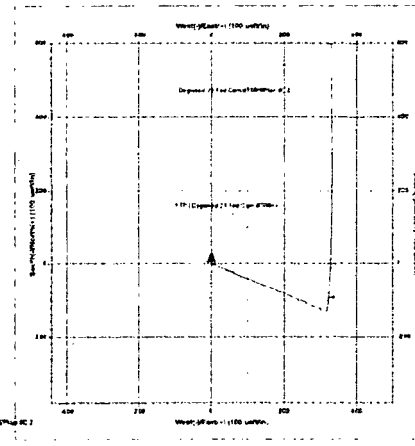
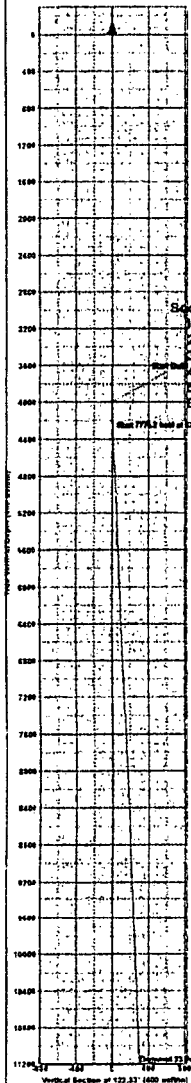
| MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W | Dieg  | TFace   | VFace   | Target                          |
|---------|-------|--------|---------|---------|-------|-------|---------|---------|---------------------------------|
| 0.0     | 0.00  | 0.00   | 0.0     | 0.0     | 0.0   | 0.00  | 0.00    | 0.0     |                                 |
| 4000.0  | 0.00  | 0.00   | 4000.0  | 0.0     | 0.0   | 0.00  | 0.00    | 0.0     |                                 |
| 4247.1  | 2.47  | 112.31 | 4247.0  | -2.0    | 4.9   | 1.00  | 112.31  | -1.9    |                                 |
| 12022.3 | 2.47  | 112.31 | 12015.0 | -129.3  | 315.1 | 0.00  | 0.00    | -121.3  |                                 |
| 12780.2 | 90.00 | 359.59 | 12500.0 | 348.3   | 331.0 | 12.00 | -112.70 | 356.5   |                                 |
| 22697.2 | 90.00 | 359.59 | 12500.0 | 10265.0 | 260.0 | 0.00  | 0.00    | 10268.3 | PBHL (Dogwood 23 Fed Com #706H) |

CASING DETAILS

No casing data is available

WELLSITE TARGET DETAILS (MAP COORDINATES)

| Name                            | TVD     | +N/-S   | +E/-W | Northing  | Easting   |
|---------------------------------|---------|---------|-------|-----------|-----------|
| FTP (Dogwood 23 Fed Com #706H)  | 12500.0 | 42.0    | 135.0 | 377173.00 | 785321.00 |
| PBHL (Dogwood 23 Fed Com #706H) | 12500.0 | 10265.0 | 260.0 | 357955.00 | 785248.00 |





## **EOG Resources - Midland**

**Lea County, NM (NAD 83 NME)**

**Dogwood 23 Fed Com**

**#706H**

**OH**

**Plan: Plan #0.2**

## **Standard Planning Report**

**27 July, 2018**



**Database:** EDM 5000.14  
**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Dogwood 23 Fed Com  
**Well:** #706H  
**Wellbore:** OH  
**Design:** Plan #0.2

**Local Co-ordinate Reference:**  
**TVD Reference:** KB = 25' @ 3329.0usft  
**MD Reference:** KB = 25' @ 3329.0usft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

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

|                              |                    |                               |                                     |
|------------------------------|--------------------|-------------------------------|-------------------------------------|
| <b>Site</b>                  | Dogwood 23 Fed Com |                               |                                     |
| <b>Site Position:</b>        | <b>Northing:</b>   | 372,741.00 usft               | <b>Latitude:</b> 32° 1' 20.069 N    |
| <b>From:</b> Map             | <b>Easting:</b>    | 788,311.00 usft               | <b>Longitude:</b> 103° 32' 11.158 W |
| <b>Position Uncertainty:</b> | 0.0 usft           | <b>Slot Radius:</b> 13-3/16 " | <b>Grid Convergence:</b> 0.42 °     |

|                             |              |                            |                                  |
|-----------------------------|--------------|----------------------------|----------------------------------|
| <b>Well</b>                 | #706H        |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b> | -21.0 usft                 | <b>Northing:</b> 372,720.00 usft |
|                             | <b>+E/-W</b> | -2,325.0 usft              | <b>Easting:</b> 785,986.00 usft  |
| <b>Position Uncertainty</b> | 0.0 usft     | <b>Wellhead Elevation:</b> | 0.0 usft                         |
|                             |              | <b>Ground Level:</b>       | 3,304.0 usft                     |

|                  |                   |                    |                     |
|------------------|-------------------|--------------------|---------------------|
| <b>Wellbore</b>  | OH                |                    |                     |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b>  |
|                  | IGRF2015          | 2/17/2017          | (°)                 |
|                  |                   |                    | 6.96                |
|                  |                   |                    | Dip Angle (°)       |
|                  |                   |                    | 59.89               |
|                  |                   |                    | Field Strength (nT) |
|                  |                   |                    | 47,855.57572343     |

|                          |                         |              |                          |
|--------------------------|-------------------------|--------------|--------------------------|
| <b>Design</b>            | Plan #0.2               |              |                          |
| <b>Audit Notes:</b>      |                         |              |                          |
| <b>Version:</b>          | <b>Phase:</b>           | PLAN         | <b>Tie On Depth:</b> 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b> | <b>+E/-W</b>             |
|                          | (usft)                  | (usft)       | (usft)                   |
|                          | 0.0                     | 0.0          | 0.0                      |
|                          |                         |              | <b>Direction</b> (°)     |
|                          |                         |              | 1.45                     |

|                                 |                       |                          |                     |
|---------------------------------|-----------------------|--------------------------|---------------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b> 7/27/2018 |                          |                     |
| <b>Depth From</b>               | <b>Depth To</b>       | <b>Survey (Wellbore)</b> | <b>Tool Name</b>    |
| (usft)                          | (usft)                |                          |                     |
| 1                               | 0.0                   | 22.697.2 Plan #0.2 (OH)  | MWD                 |
|                                 |                       |                          | OWSG MWD - Standard |

|                       |                    |                |                       |              |              |                    |                   |                  |            |                    |
|-----------------------|--------------------|----------------|-----------------------|--------------|--------------|--------------------|-------------------|------------------|------------|--------------------|
| <b>Plan Sections</b>  |                    |                |                       |              |              |                    |                   |                  |            |                    |
| <b>Measured Depth</b> | <b>Inclination</b> | <b>Azimuth</b> | <b>Vertical Depth</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Dogleg Rate</b> | <b>Build Rate</b> | <b>Turn Rate</b> | <b>TFO</b> | <b>Target</b>      |
| (usft)                | (°)                | (°)            | (usft)                | (usft)       | (usft)       | (°/100usft)        | (°/100usft)       | (°/100usft)      | (°)        |                    |
| 0.0                   | 0.00               | 0.00           | 0.0                   | 0.0          | 0.0          | 0.00               | 0.00              | 0.00             | 0.00       |                    |
| 4,000.0               | 0.00               | 0.00           | 4,000.0               | 0.0          | 0.0          | 0.00               | 0.00              | 0.00             | 0.00       |                    |
| 4,247.1               | 2.47               | 112.31         | 4,247.0               | -2.0         | 4.9          | 1.00               | 1.00              | 0.00             | 112.31     |                    |
| 12,022.3              | 2.47               | 112.31         | 12,015.0              | -129.3       | 315.1        | 0.00               | 0.00              | 0.00             | 0.00       |                    |
| 12,780.2              | 90.00              | 359.59         | 12,500.0              | 348.3        | 331.0        | 12.00              | 11.55             | -14.87           | -112.70    |                    |
| 22,697.2              | 90.00              | 359.59         | 12,500.0              | 10,265.0     | 260.0        | 0.00               | 0.00              | 0.00             | 0.00       | PBHL (Dogwood 23 F |



# Planning Report

Database: EDM 5000.14  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Dogwood 23 Fed Com  
 Well: #706H  
 Wellbore: OH  
 Design: Plan #0.2

Local Co-ordinate Reference: Well #706H  
 TVD Reference: KB = 25' @ 3329.0usft  
 MD Reference: KB = 25' @ 3329.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature

## Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                 | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                 | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                 | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0               | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0               | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0               | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0               | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0               | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0               | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0               | 0.00            | 0.00        | 1,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0               | 0.00            | 0.00        | 1,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0               | 0.00            | 0.00        | 2,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0               | 0.00            | 0.00        | 2,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0               | 0.00            | 0.00        | 2,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0               | 0.00            | 0.00        | 2,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0               | 0.00            | 0.00        | 2,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0               | 0.00            | 0.00        | 2,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0               | 0.00            | 0.00        | 2,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0               | 0.00            | 0.00        | 2,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0               | 0.00            | 0.00        | 2,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0               | 0.00            | 0.00        | 2,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0               | 0.00            | 0.00        | 3,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0               | 0.00            | 0.00        | 3,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 0.00            | 0.00        | 3,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 0.00            | 0.00        | 3,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 0.00            | 0.00        | 3,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 0.00            | 0.00        | 3,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 0.00            | 0.00        | 3,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 0.00            | 0.00        | 3,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 0.00            | 0.00        | 3,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 0.00            | 0.00        | 3,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 0.00            | 0.00        | 4,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 1.00            | 112.31      | 4,100.0               | -0.3         | 0.8          | -0.3                    | 1.00                    | 1.00                   | 0.00                  |
| 4,200.0               | 2.00            | 112.31      | 4,200.0               | -1.3         | 3.2          | -1.2                    | 1.00                    | 1.00                   | 0.00                  |
| 4,247.1               | 2.47            | 112.31      | 4,247.0               | -2.0         | 4.9          | -1.9                    | 1.00                    | 1.00                   | 0.00                  |
| 4,300.0               | 2.47            | 112.31      | 4,299.9               | -2.9         | 7.0          | -2.7                    | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 2.47            | 112.31      | 4,399.8               | -4.5         | 11.0         | -4.2                    | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 2.47            | 112.31      | 4,499.7               | -6.2         | 15.0         | -5.8                    | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 2.47            | 112.31      | 4,599.6               | -7.8         | 19.0         | -7.3                    | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 2.47            | 112.31      | 4,699.5               | -9.4         | 23.0         | -8.8                    | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 2.47            | 112.31      | 4,799.4               | -11.1        | 27.0         | -10.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 2.47            | 112.31      | 4,899.3               | -12.7        | 31.0         | -11.9                   | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 2.47            | 112.31      | 4,999.2               | -14.3        | 35.0         | -13.5                   | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 2.47            | 112.31      | 5,099.1               | -16.0        | 39.0         | -15.0                   | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 2.47            | 112.31      | 5,199.0               | -17.6        | 42.9         | -16.5                   | 0.00                    | 0.00                   | 0.00                  |



# Planning Report

Database: EDM 5000.14  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Dogwood 23 Fed Com  
 Well: #706H  
 Wellbore: OH  
 Design: Plan #0.2

Local Co-ordinate Reference: Well #706H  
 TVD Reference: KB = 25' @ 3329.0usft  
 MD Reference: KB = 25' @ 3329.0usft  
 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) | Bulld Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,300.0               | 2.47            | 112.31      | 5,298.9               | -19.3        | 46.9         | -18.1                   | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0               | 2.47            | 112.31      | 5,398.9               | -20.9        | 50.9         | -19.6                   | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0               | 2.47            | 112.31      | 5,498.8               | -22.5        | 54.9         | -21.1                   | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0               | 2.47            | 112.31      | 5,598.7               | -24.2        | 58.9         | -22.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0               | 2.47            | 112.31      | 5,698.6               | -25.8        | 62.9         | -24.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0               | 2.47            | 112.31      | 5,798.5               | -27.4        | 66.9         | -25.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0               | 2.47            | 112.31      | 5,898.4               | -29.1        | 70.9         | -27.3                   | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0               | 2.47            | 112.31      | 5,998.3               | -30.7        | 74.9         | -28.8                   | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0               | 2.47            | 112.31      | 6,098.2               | -32.3        | 78.8         | -30.3                   | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0               | 2.47            | 112.31      | 6,198.1               | -34.0        | 82.8         | -31.9                   | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0               | 2.47            | 112.31      | 6,298.0               | -35.6        | 86.8         | -33.4                   | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0               | 2.47            | 112.31      | 6,397.9               | -37.3        | 90.8         | -34.9                   | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0               | 2.47            | 112.31      | 6,497.8               | -38.9        | 94.8         | -36.5                   | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0               | 2.47            | 112.31      | 6,597.7               | -40.5        | 98.8         | -38.0                   | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0               | 2.47            | 112.31      | 6,697.6               | -42.2        | 102.8        | -39.6                   | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0               | 2.47            | 112.31      | 6,797.5               | -43.8        | 106.8        | -41.1                   | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0               | 2.47            | 112.31      | 6,897.5               | -45.4        | 110.8        | -42.6                   | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0               | 2.47            | 112.31      | 6,997.4               | -47.1        | 114.7        | -44.2                   | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0               | 2.47            | 112.31      | 7,097.3               | -48.7        | 118.7        | -45.7                   | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0               | 2.47            | 112.31      | 7,197.2               | -50.3        | 122.7        | -47.2                   | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0               | 2.47            | 112.31      | 7,297.1               | -52.0        | 126.7        | -48.8                   | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0               | 2.47            | 112.31      | 7,397.0               | -53.6        | 130.7        | -50.3                   | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0               | 2.47            | 112.31      | 7,496.9               | -55.3        | 134.7        | -51.8                   | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0               | 2.47            | 112.31      | 7,596.8               | -56.9        | 138.7        | -53.4                   | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0               | 2.47            | 112.31      | 7,696.7               | -58.5        | 142.7        | -54.9                   | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0               | 2.47            | 112.31      | 7,796.6               | -60.2        | 146.7        | -56.4                   | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0               | 2.47            | 112.31      | 7,896.5               | -61.8        | 150.6        | -58.0                   | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0               | 2.47            | 112.31      | 7,996.4               | -63.4        | 154.6        | -59.5                   | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0               | 2.47            | 112.31      | 8,096.3               | -65.1        | 158.6        | -61.0                   | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0               | 2.47            | 112.31      | 8,196.2               | -66.7        | 162.6        | -62.6                   | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0               | 2.47            | 112.31      | 8,296.2               | -68.4        | 166.6        | -64.1                   | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0               | 2.47            | 112.31      | 8,396.1               | -70.0        | 170.6        | -65.6                   | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0               | 2.47            | 112.31      | 8,496.0               | -71.6        | 174.6        | -67.2                   | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0               | 2.47            | 112.31      | 8,595.9               | -73.3        | 178.6        | -68.7                   | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0               | 2.47            | 112.31      | 8,695.8               | -74.9        | 182.6        | -70.3                   | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0               | 2.47            | 112.31      | 8,795.7               | -76.5        | 186.5        | -71.8                   | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0               | 2.47            | 112.31      | 8,895.6               | -78.2        | 190.5        | -73.3                   | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0               | 2.47            | 112.31      | 8,995.5               | -79.8        | 194.5        | -74.9                   | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0               | 2.47            | 112.31      | 9,095.4               | -81.4        | 198.5        | -76.4                   | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0               | 2.47            | 112.31      | 9,195.3               | -83.1        | 202.5        | -77.9                   | 0.00                    | 0.00                   | 0.00                  |
| 9,300.0               | 2.47            | 112.31      | 9,295.2               | -84.7        | 206.5        | -79.5                   | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0               | 2.47            | 112.31      | 9,395.1               | -86.4        | 210.5        | -81.0                   | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0               | 2.47            | 112.31      | 9,495.0               | -88.0        | 214.5        | -82.5                   | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0               | 2.47            | 112.31      | 9,594.9               | -89.6        | 218.5        | -84.1                   | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0               | 2.47            | 112.31      | 9,694.9               | -91.3        | 222.4        | -85.6                   | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0               | 2.47            | 112.31      | 9,794.8               | -92.9        | 226.4        | -87.1                   | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 2.47            | 112.31      | 9,894.7               | -94.5        | 230.4        | -88.7                   | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 2.47            | 112.31      | 9,994.6               | -96.2        | 234.4        | -90.2                   | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 2.47            | 112.31      | 10,094.5              | -97.8        | 238.4        | -91.7                   | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 2.47            | 112.31      | 10,194.4              | -99.4        | 242.4        | -93.3                   | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 2.47            | 112.31      | 10,294.3              | -101.1       | 246.4        | -94.8                   | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 2.47            | 112.31      | 10,394.2              | -102.7       | 250.4        | -96.3                   | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 2.47            | 112.31      | 10,494.1              | -104.4       | 254.4        | -97.9                   | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 2.47            | 112.31      | 10,594.0              | -106.0       | 258.3        | -99.4                   | 0.00                    | 0.00                   | 0.00                  |

Database: EDM 5000.14  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Dogwood 23 Fed Com  
 Well: #706H  
 Wellbore: OH  
 Design: Plan #0.2

Local Co-ordinate Reference: Well #706H  
 TVD Reference: KB = 25' @ 3329.0usft  
 MD Reference: KB = 25' @ 3329.0usft  
 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) |
|--------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 10,700.0                       | 2.47            | 112.31      | 10,693.9              | -107.6       | 262.3        | -101.0                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0                       | 2.47            | 112.31      | 10,793.8              | -109.3       | 266.3        | -102.5                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0                       | 2.47            | 112.31      | 10,893.7              | -110.9       | 270.3        | -104.0                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0                       | 2.47            | 112.31      | 10,993.6              | -112.5       | 274.3        | -105.6                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0                       | 2.47            | 112.31      | 11,093.6              | -114.2       | 278.3        | -107.1                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0                       | 2.47            | 112.31      | 11,193.5              | -115.8       | 282.3        | -108.6                  | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0                       | 2.47            | 112.31      | 11,293.4              | -117.4       | 286.3        | -110.2                  | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0                       | 2.47            | 112.31      | 11,393.3              | -119.1       | 290.3        | -111.7                  | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0                       | 2.47            | 112.31      | 11,493.2              | -120.7       | 294.2        | -113.2                  | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0                       | 2.47            | 112.31      | 11,593.1              | -122.4       | 298.2        | -114.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0                       | 2.47            | 112.31      | 11,693.0              | -124.0       | 302.2        | -116.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0                       | 2.47            | 112.31      | 11,792.9              | -125.6       | 306.2        | -117.8                  | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0                       | 2.47            | 112.31      | 11,892.8              | -127.3       | 310.2        | -119.4                  | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0                       | 2.47            | 112.31      | 11,992.7              | -128.9       | 314.2        | -120.9                  | 0.00                    | 0.00                   | 0.00                  |
| 12,022.3                       | 2.47            | 112.31      | 12,015.0              | -129.3       | 315.1        | -121.3                  | 0.00                    | 0.00                   | 0.00                  |
| 12,025.0                       | 2.36            | 104.98      | 12,017.7              | -129.3       | 315.2        | -121.3                  | 12.00                   | -3.92                  | -269.09               |
| 12,050.0                       | 3.29            | 43.42       | 12,042.7              | -128.9       | 316.2        | -120.9                  | 12.00                   | 3.70                   | -246.24               |
| 12,075.0                       | 5.84            | 22.52       | 12,067.6              | -127.2       | 317.2        | -119.2                  | 12.00                   | 10.18                  | -83.61                |
| 12,100.0                       | 8.68            | 14.71       | 12,092.4              | -124.2       | 318.1        | -116.1                  | 12.00                   | 11.36                  | -31.21                |
| 12,125.0                       | 11.60           | 10.78       | 12,117.0              | -119.9       | 319.1        | -111.8                  | 12.00                   | 11.68                  | -15.75                |
| 12,150.0                       | 14.55           | 8.41        | 12,141.3              | -114.4       | 320.0        | -106.2                  | 12.00                   | 11.81                  | -9.45                 |
| 12,175.0                       | 17.52           | 6.84        | 12,165.4              | -107.5       | 320.9        | -99.4                   | 12.00                   | 11.87                  | -6.31                 |
| 12,200.0                       | 20.49           | 5.70        | 12,189.0              | -99.4        | 321.8        | -91.2                   | 12.00                   | 11.91                  | -4.53                 |
| 12,225.0                       | 23.48           | 4.85        | 12,212.2              | -90.1        | 322.6        | -81.9                   | 12.00                   | 11.93                  | -3.42                 |
| 12,250.0                       | 26.46           | 4.18        | 12,234.8              | -79.6        | 323.5        | -71.4                   | 12.00                   | 11.95                  | -2.69                 |
| 12,275.0                       | 29.45           | 3.63        | 12,256.9              | -67.9        | 324.3        | -59.7                   | 12.00                   | 11.96                  | -2.18                 |
| 12,300.0                       | 32.44           | 3.18        | 12,278.4              | -55.1        | 325.0        | -46.8                   | 12.00                   | 11.96                  | -1.81                 |
| 12,325.0                       | 35.44           | 2.80        | 12,299.1              | -41.1        | 325.8        | -32.9                   | 12.00                   | 11.97                  | -1.53                 |
| 12,350.0                       | 38.43           | 2.47        | 12,319.1              | -26.1        | 326.4        | -17.8                   | 12.00                   | 11.97                  | -1.32                 |
| 12,375.0                       | 41.42           | 2.18        | 12,338.2              | -10.1        | 327.1        | -1.8                    | 12.00                   | 11.98                  | -1.16                 |
| 12,400.0                       | 44.42           | 1.92        | 12,356.6              | 6.9          | 327.7        | 15.2                    | 12.00                   | 11.98                  | -1.03                 |
| 12,425.0                       | 47.41           | 1.69        | 12,373.9              | 24.9         | 328.3        | 33.2                    | 12.00                   | 11.98                  | -0.93                 |
| FTP (Dogwood 23 Fed Com #706H) |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,450.0                       | 50.41           | 1.48        | 12,390.4              | 43.7         | 328.8        | 52.0                    | 12.00                   | 11.98                  | -0.84                 |
| 12,475.0                       | 53.41           | 1.28        | 12,405.8              | 63.4         | 329.3        | 71.7                    | 12.00                   | 11.98                  | -0.77                 |
| 12,500.0                       | 56.40           | 1.11        | 12,420.2              | 83.8         | 329.7        | 92.1                    | 12.00                   | 11.99                  | -0.71                 |
| 12,525.0                       | 59.40           | 0.94        | 12,433.4              | 105.0        | 330.1        | 113.3                   | 12.00                   | 11.99                  | -0.67                 |
| 12,550.0                       | 62.40           | 0.78        | 12,445.6              | 126.8        | 330.4        | 135.2                   | 12.00                   | 11.99                  | -0.63                 |
| 12,575.0                       | 65.39           | 0.63        | 12,456.6              | 149.3        | 330.7        | 157.6                   | 12.00                   | 11.99                  | -0.59                 |
| 12,600.0                       | 68.39           | 0.49        | 12,466.4              | 172.3        | 330.9        | 180.6                   | 12.00                   | 11.99                  | -0.56                 |
| 12,625.0                       | 71.39           | 0.36        | 12,475.0              | 195.7        | 331.1        | 204.1                   | 12.00                   | 11.99                  | -0.54                 |
| 12,650.0                       | 74.39           | 0.23        | 12,482.4              | 219.6        | 331.2        | 227.9                   | 12.00                   | 11.99                  | -0.52                 |
| 12,675.0                       | 77.38           | 0.10        | 12,488.5              | 243.9        | 331.3        | 252.2                   | 12.00                   | 11.99                  | -0.51                 |
| 12,700.0                       | 80.38           | 359.98      | 12,493.3              | 268.4        | 331.3        | 276.7                   | 12.00                   | 11.99                  | -0.50                 |
| 12,725.0                       | 83.38           | 359.85      | 12,496.8              | 293.2        | 331.2        | 301.4                   | 12.00                   | 11.99                  | -0.49                 |
| 12,750.0                       | 86.38           | 359.73      | 12,499.0              | 318.0        | 331.1        | 326.3                   | 12.00                   | 11.99                  | -0.48                 |
| 12,775.0                       | 89.37           | 359.61      | 12,500.0              | 343.0        | 331.0        | 351.3                   | 12.00                   | 11.99                  | -0.48                 |
| 12,780.2                       | 90.00           | 359.59      | 12,500.0              | 348.3        | 331.0        | 356.5                   | 12.00                   | 11.99                  | -0.48                 |
| 12,800.0                       | 90.00           | 359.59      | 12,500.0              | 368.0        | 330.8        | 376.3                   | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0                       | 90.00           | 359.59      | 12,500.0              | 468.0        | 330.1        | 476.2                   | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0                       | 90.00           | 359.59      | 12,500.0              | 568.0        | 329.4        | 576.2                   | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0                       | 90.00           | 359.59      | 12,500.0              | 668.0        | 328.7        | 676.1                   | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0                       | 90.00           | 359.59      | 12,500.0              | 768.0        | 328.0        | 776.1                   | 0.00                    | 0.00                   | 0.00                  |

**Database:** EDM 5000.14  
**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Dogwood 23 Fed Com  
**Well:** #706H  
**Wellbore:** OH  
**Design:** Plan #0.2

**Local Co-ordinate Reference:** Well #706H  
**TVD Reference:** KB = 25' @ 3329.0usft  
**MD Reference:** KB = 25' @ 3329.0usft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 13,300.0              | 90.00           | 359.59      | 12,500.0              | 868.0        | 327.2        | 876.0                   | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.00           | 359.59      | 12,500.0              | 968.0        | 326.5        | 976.0                   | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.00           | 359.59      | 12,500.0              | 1,068.0      | 325.8        | 1,075.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.00           | 359.59      | 12,500.0              | 1,168.0      | 325.1        | 1,175.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.00           | 359.59      | 12,500.0              | 1,268.0      | 324.4        | 1,275.8                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.00           | 359.59      | 12,500.0              | 1,368.0      | 323.7        | 1,375.8                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.00           | 359.59      | 12,500.0              | 1,468.0      | 323.0        | 1,475.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.00           | 359.59      | 12,500.0              | 1,568.0      | 322.2        | 1,575.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.00           | 359.59      | 12,500.0              | 1,668.0      | 321.5        | 1,675.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.00           | 359.59      | 12,500.0              | 1,768.0      | 320.8        | 1,775.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.00           | 359.59      | 12,500.0              | 1,868.0      | 320.1        | 1,875.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.00           | 359.59      | 12,500.0              | 1,968.0      | 319.4        | 1,975.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.00           | 359.59      | 12,500.0              | 2,068.0      | 318.7        | 2,075.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.00           | 359.59      | 12,500.0              | 2,168.0      | 317.9        | 2,175.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.00           | 359.59      | 12,500.0              | 2,268.0      | 317.2        | 2,275.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.00           | 359.59      | 12,500.0              | 2,368.0      | 316.5        | 2,375.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.00           | 359.59      | 12,500.0              | 2,468.0      | 315.8        | 2,475.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.00           | 359.59      | 12,500.0              | 2,568.0      | 315.1        | 2,575.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.00           | 359.59      | 12,500.0              | 2,668.0      | 314.4        | 2,675.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.00           | 359.59      | 12,500.0              | 2,768.0      | 313.6        | 2,775.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.00           | 359.59      | 12,500.0              | 2,868.0      | 312.9        | 2,875.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.00           | 359.59      | 12,500.0              | 2,968.0      | 312.2        | 2,974.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.00           | 359.59      | 12,500.0              | 3,068.0      | 311.5        | 3,074.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.00           | 359.59      | 12,500.0              | 3,168.0      | 310.8        | 3,174.8                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.00           | 359.59      | 12,500.0              | 3,268.0      | 310.1        | 3,274.8                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.00           | 359.59      | 12,500.0              | 3,367.9      | 309.4        | 3,374.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.00           | 359.59      | 12,500.0              | 3,467.9      | 308.6        | 3,474.7                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.00           | 359.59      | 12,500.0              | 3,567.9      | 307.9        | 3,574.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.00           | 359.59      | 12,500.0              | 3,667.9      | 307.2        | 3,674.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.00           | 359.59      | 12,500.0              | 3,767.9      | 306.5        | 3,774.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.00           | 359.59      | 12,500.0              | 3,867.9      | 305.8        | 3,874.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.00           | 359.59      | 12,500.0              | 3,967.9      | 305.1        | 3,974.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.00           | 359.59      | 12,500.0              | 4,067.9      | 304.3        | 4,074.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.00           | 359.59      | 12,500.0              | 4,167.9      | 303.6        | 4,174.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.00           | 359.59      | 12,500.0              | 4,267.9      | 302.9        | 4,274.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.00           | 359.59      | 12,500.0              | 4,367.9      | 302.2        | 4,374.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.00           | 359.59      | 12,500.0              | 4,467.9      | 301.5        | 4,474.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.00           | 359.59      | 12,500.0              | 4,567.9      | 300.8        | 4,574.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.00           | 359.59      | 12,500.0              | 4,667.9      | 300.1        | 4,674.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 90.00           | 359.59      | 12,500.0              | 4,767.9      | 299.3        | 4,774.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 90.00           | 359.59      | 12,500.0              | 4,867.9      | 298.6        | 4,873.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.00           | 359.59      | 12,500.0              | 4,967.9      | 297.9        | 4,973.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.00           | 359.59      | 12,500.0              | 5,067.9      | 297.2        | 5,073.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.00           | 359.59      | 12,500.0              | 5,167.9      | 296.5        | 5,173.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.00           | 359.59      | 12,500.0              | 5,267.9      | 295.8        | 5,273.7                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.00           | 359.59      | 12,500.0              | 5,367.9      | 295.0        | 5,373.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.00           | 359.59      | 12,500.0              | 5,467.9      | 294.3        | 5,473.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.00           | 359.59      | 12,500.0              | 5,567.9      | 293.6        | 5,573.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.00           | 359.59      | 12,500.0              | 5,667.9      | 292.9        | 5,673.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.00           | 359.59      | 12,500.0              | 5,767.9      | 292.2        | 5,773.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 90.00           | 359.59      | 12,500.0              | 5,867.9      | 291.5        | 5,873.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 90.00           | 359.59      | 12,500.0              | 5,967.9      | 290.8        | 5,973.3                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 90.00           | 359.59      | 12,500.0              | 6,067.9      | 290.0        | 6,073.3                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0              | 90.00           | 359.59      | 12,500.0              | 6,167.9      | 289.3        | 6,173.2                 | 0.00                    | 0.00                   | 0.00                  |



# Planning Report

Database: EDM 5000.14  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Dogwood 23 Fed Com  
 Well: #706H  
 Wellbore: OH  
 Design: Plan #0.2

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

Well #706H  
 KB = 25' @ 3329.0usft  
 KB = 25' @ 3329.0usft  
 Grid  
 Minimum Curvature

## Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 18,700.0              | 90.00           | 359.59      | 12,500.0              | 6,267.9      | 288.6        | 6,273.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0              | 90.00           | 359.59      | 12,500.0              | 6,367.9      | 287.9        | 6,373.1                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0              | 90.00           | 359.59      | 12,500.0              | 6,467.9      | 287.2        | 6,473.1                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0              | 90.00           | 359.59      | 12,500.0              | 6,567.9      | 286.5        | 6,573.0                 | 0.00                    | 0.00                   | 0.00                  |
| 19,100.0              | 90.00           | 359.59      | 12,500.0              | 6,667.9      | 285.7        | 6,673.0                 | 0.00                    | 0.00                   | 0.00                  |
| 19,200.0              | 90.00           | 359.59      | 12,500.0              | 6,767.9      | 285.0        | 6,772.9                 | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0              | 90.00           | 359.59      | 12,500.0              | 6,867.9      | 284.3        | 6,872.9                 | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0              | 90.00           | 359.59      | 12,500.0              | 6,967.9      | 283.6        | 6,972.8                 | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0              | 90.00           | 359.59      | 12,500.0              | 7,067.9      | 282.9        | 7,072.8                 | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0              | 90.00           | 359.59      | 12,500.0              | 7,167.9      | 282.2        | 7,172.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0              | 90.00           | 359.59      | 12,500.0              | 7,267.8      | 281.4        | 7,272.6                 | 0.00                    | 0.00                   | 0.00                  |
| 19,800.0              | 90.00           | 359.59      | 12,500.0              | 7,367.8      | 280.7        | 7,372.6                 | 0.00                    | 0.00                   | 0.00                  |
| 19,900.0              | 90.00           | 359.59      | 12,500.0              | 7,467.8      | 280.0        | 7,472.5                 | 0.00                    | 0.00                   | 0.00                  |
| 20,000.0              | 90.00           | 359.59      | 12,500.0              | 7,567.8      | 279.3        | 7,572.5                 | 0.00                    | 0.00                   | 0.00                  |
| 20,100.0              | 90.00           | 359.59      | 12,500.0              | 7,667.8      | 278.6        | 7,672.4                 | 0.00                    | 0.00                   | 0.00                  |
| 20,200.0              | 90.00           | 359.59      | 12,500.0              | 7,767.8      | 277.9        | 7,772.4                 | 0.00                    | 0.00                   | 0.00                  |
| 20,300.0              | 90.00           | 359.59      | 12,500.0              | 7,867.8      | 277.2        | 7,872.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,400.0              | 90.00           | 359.59      | 12,500.0              | 7,967.8      | 276.4        | 7,972.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,500.0              | 90.00           | 359.59      | 12,500.0              | 8,067.8      | 275.7        | 8,072.2                 | 0.00                    | 0.00                   | 0.00                  |
| 20,600.0              | 90.00           | 359.59      | 12,500.0              | 8,167.8      | 275.0        | 8,172.2                 | 0.00                    | 0.00                   | 0.00                  |
| 20,700.0              | 90.00           | 359.59      | 12,500.0              | 8,267.8      | 274.3        | 8,272.1                 | 0.00                    | 0.00                   | 0.00                  |
| 20,800.0              | 90.00           | 359.59      | 12,500.0              | 8,367.8      | 273.6        | 8,372.1                 | 0.00                    | 0.00                   | 0.00                  |
| 20,900.0              | 90.00           | 359.59      | 12,500.0              | 8,467.8      | 272.9        | 8,472.0                 | 0.00                    | 0.00                   | 0.00                  |
| 21,000.0              | 90.00           | 359.59      | 12,500.0              | 8,567.8      | 272.1        | 8,572.0                 | 0.00                    | 0.00                   | 0.00                  |
| 21,100.0              | 90.00           | 359.59      | 12,500.0              | 8,667.8      | 271.4        | 8,671.9                 | 0.00                    | 0.00                   | 0.00                  |
| 21,200.0              | 90.00           | 359.59      | 12,500.0              | 8,767.8      | 270.7        | 8,771.9                 | 0.00                    | 0.00                   | 0.00                  |
| 21,300.0              | 90.00           | 359.59      | 12,500.0              | 8,867.8      | 270.0        | 8,871.8                 | 0.00                    | 0.00                   | 0.00                  |
| 21,400.0              | 90.00           | 359.59      | 12,500.0              | 8,967.8      | 269.3        | 8,971.7                 | 0.00                    | 0.00                   | 0.00                  |
| 21,500.0              | 90.00           | 359.59      | 12,500.0              | 9,067.8      | 268.6        | 9,071.7                 | 0.00                    | 0.00                   | 0.00                  |
| 21,600.0              | 90.00           | 359.59      | 12,500.0              | 9,167.8      | 267.9        | 9,171.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,700.0              | 90.00           | 359.59      | 12,500.0              | 9,267.8      | 267.1        | 9,271.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,800.0              | 90.00           | 359.59      | 12,500.0              | 9,367.8      | 266.4        | 9,371.5                 | 0.00                    | 0.00                   | 0.00                  |
| 21,900.0              | 90.00           | 359.59      | 12,500.0              | 9,467.8      | 265.7        | 9,471.5                 | 0.00                    | 0.00                   | 0.00                  |
| 22,000.0              | 90.00           | 359.59      | 12,500.0              | 9,567.8      | 265.0        | 9,571.4                 | 0.00                    | 0.00                   | 0.00                  |
| 22,100.0              | 90.00           | 359.59      | 12,500.0              | 9,667.8      | 264.3        | 9,671.4                 | 0.00                    | 0.00                   | 0.00                  |
| 22,200.0              | 90.00           | 359.59      | 12,500.0              | 9,767.8      | 263.6        | 9,771.3                 | 0.00                    | 0.00                   | 0.00                  |
| 22,300.0              | 90.00           | 359.59      | 12,500.0              | 9,867.8      | 262.8        | 9,871.3                 | 0.00                    | 0.00                   | 0.00                  |
| 22,400.0              | 90.00           | 359.59      | 12,500.0              | 9,967.8      | 262.1        | 9,971.2                 | 0.00                    | 0.00                   | 0.00                  |
| 22,500.0              | 90.00           | 359.59      | 12,500.0              | 10,067.8     | 261.4        | 10,071.2                | 0.00                    | 0.00                   | 0.00                  |
| 22,600.0              | 90.00           | 359.59      | 12,500.0              | 10,167.8     | 260.7        | 10,171.1                | 0.00                    | 0.00                   | 0.00                  |
| 22,697.2              | 90.00           | 359.59      | 12,500.0              | 10,265.0     | 260.0        | 10,268.3                | 0.00                    | 0.00                   | 0.00                  |

PBHL (Dogwood 23 Fed Com #706H)



# Planning Report

Database: EDM 5000.14  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Dogwood 23 Fed Com  
Well: #706H  
Wellbore: OH  
Design: Plan #0.2

Local Co-ordinate Reference: Well #706H  
TVD Reference: KB = 25' @ 3329.0usft  
MD Reference: KB = 25' @ 3329.0usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

## Design Targets

### Target Name

| - hit/miss target                                                                                                             | Dip Angle | Dip Dir. | TVD      | +N/-S    | +E/-W  | Northing   | Easting    | Latitude        | Longitude         |
|-------------------------------------------------------------------------------------------------------------------------------|-----------|----------|----------|----------|--------|------------|------------|-----------------|-------------------|
| - Shape                                                                                                                       | (°)       | (°)      | (usft)   | (usft)   | (usft) | (usft)     | (usft)     |                 |                   |
| FTP (Dogwood 23 Fed C<br>- plan misses target center by 172.0usft at 12425.0usft MD (12373.9 TVD, 24.9 N, 328.3 E)<br>- Point | 0.00      | 0.01     | 12,500.0 | -92.0    | 335.0  | 372,628.00 | 786,321.00 | 32° 1' 19.095 N | 103° 32' 34.282 W |
| PBHL (Dogwood 23 Fed<br>- plan hits target center<br>- Point                                                                  | 0.00      | 0.00     | 12,500.0 | 10.265.0 | 260.0  | 382,985.00 | 786,246.00 | 32° 3' 1.588 N  | 103° 32' 34.273 W |