

Permit Information:

Well Name: Lomas Rojas 26 State Com No. 502H

Location:

SL: 330' FSL & 905' FEL, Section 26, T-25-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 1260' FEL, Section 26, T-25-S, R-33-E, Lea Co., N.M.

Casing Program:

| Hole Size | Interval | Csg OD | Weight | Grade | Conn | DF _{min} Collapse | DF _{min} Burst | DF _{min} Tension |
|-----------|---------------|---------|--------|---------|------|----------------------------|-------------------------|---------------------------|
| 17.5" | 0 - 1075' | 13.375" | 54.5# | J55 | STC | 1.125 | 1.25 | 1.60 |
| 12.25" | 0-4000' | 9.625" | 40# | J55 | LTC | 1.125 | 1.25 | 1.60 |
| 12.25" | 4000' - 5000' | 9.625" | 40# | HCK-55 | LTC | 1.125 | 1.25 | 1.60 |
| 8.75" | 0'-15,670' | 5.5" | 17# | HCP-110 | LTC | 1.125 | 1.25 | 1.60 |

Cement Program:

| Depth | No. Sacks | Wt. ppg | Yld Ft ³ /ft | Slurry Description |
|---------|-----------|---------|-------------------------|---|
| 1075' | 400 | 13.5 | 1.73 | Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface) |
| | 200 | 14.8 | 1.34 | Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate |
| 5,000' | 800 | 12.7 | 2.22 | Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface) |
| | 200 | 14.8 | 1.32 | Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free |
| 15,670' | 375 | 10.8 | 3.67 | 60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 4500') |
| | 400 | 11.8 | 2.38 | 50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake |
| | 1300 | 14.2 | 1.28 | 50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt |

Mud Program:

| Depth | Type | Weight (ppg) | Viscosity | Water Loss |
|------------------------------|-------------|--------------|-----------|------------|
| 0 - 1075' | Fresh - Gel | 8.6-8.8 | 28-34 | N/c |
| 1075' - 5,000' | Brine | 10.0-10.2 | 28-34 | N/c |
| 5,000' - 10,315' | Cut Brine | 8.4-9.0 | 28-34 | N/c |
| 10,315' - 15,670' Lateral | Cut Brine | 9.0-9.5 | 40-42 | 8-10 |

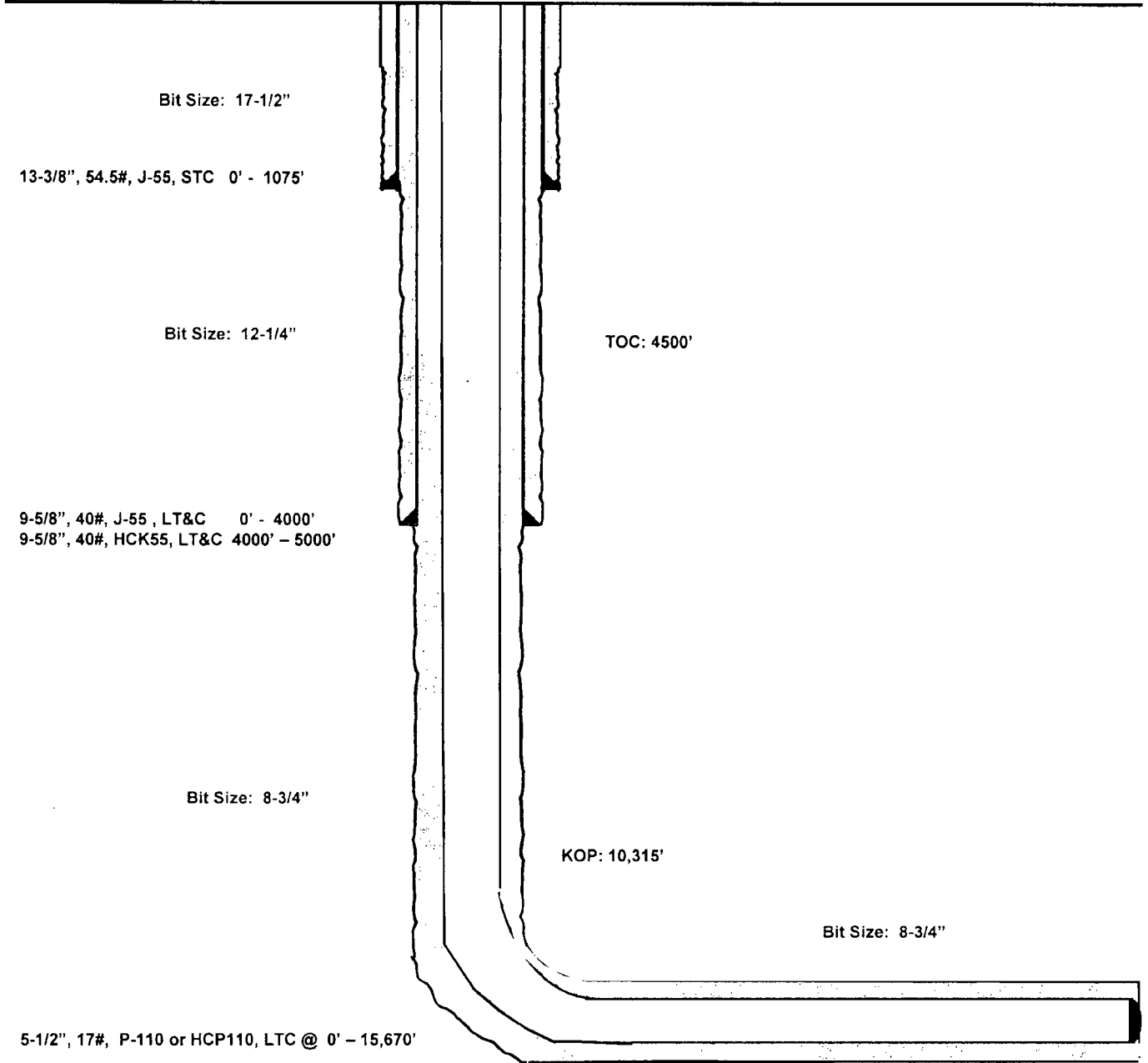
Lomas Rojas 26 State Com #502H
Lea County, New Mexico

330' FSL
905' FEL
Section 26
T-25-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,354'
GL: 3,329'



Lateral: 15,670' MD, 10,900' TVD
BH Location: 230' FNL & 1260' FEL
Section 26
T-25-S, R-33-E

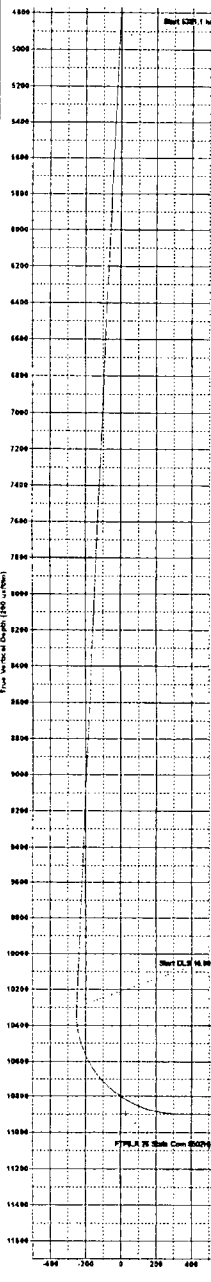


Lea County, NM (NAD 27 NME)
Lomas Rojas 26 State #502H
Plan #1

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

Azimuths to Grid North
True North: -0.42"
Magnetic North: 6.73"
Magnetic Field
Strength: 48213.7nT
Dip Angle: 59.99°
Date: 9/29/2014
Model: IGRF201014

To convert a Magnetic Direction to a Grid Direction, Add 6.73"
To convert a Magnetic Direction to a True Direction, Add 7.15" East
To convert a True Direction to a Grid Direction, Subtract 0.42"



WELL DETAILS: Lomas Rojas 26 State #502H

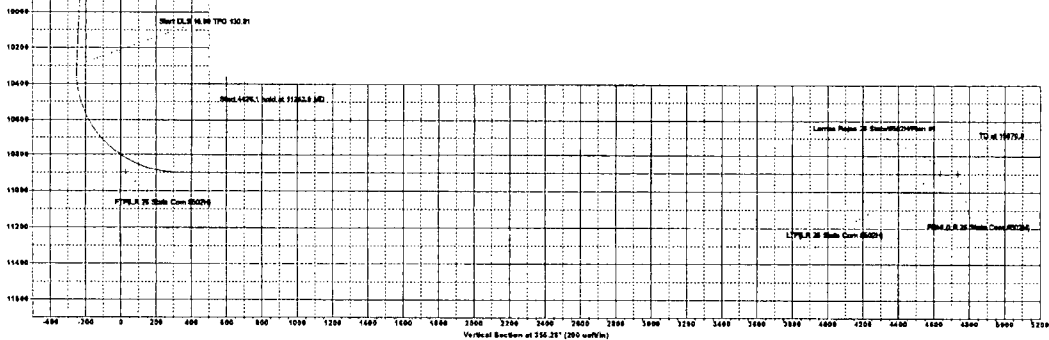
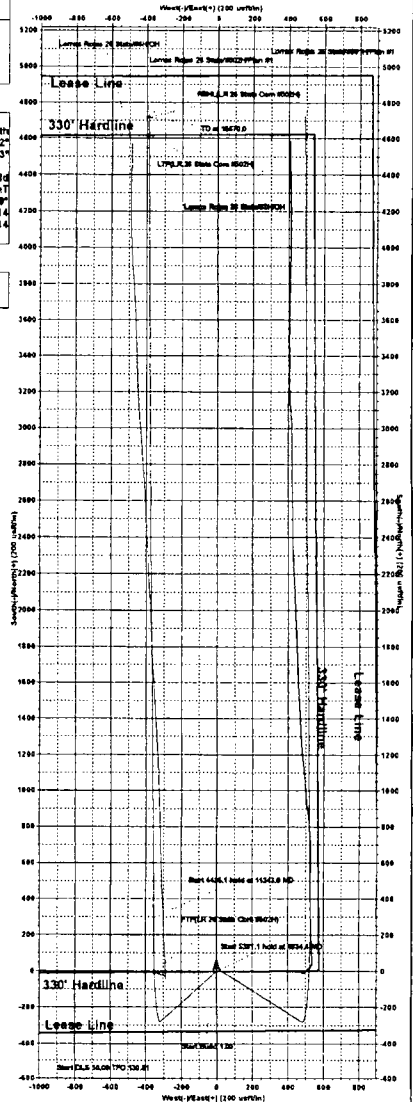
| | |
|---------------|---------------------------|
| Ground Level: | 3329.0 |
| Easting: | 746592.06 32' 5" 42.129 N |
| Latitude: | 103' 32' 13.342 W |
| Spot: | |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Diag | TFace | VSect | Target | Annotation |
|-----|---------|-------|--------|---------|--------|--------|-------|--------|--------|--------|-----------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | | |
| 2 | 4900.0 | 0.00 | 0.00 | 4900.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | | |
| 3 | 4934.4 | 4.34 | 228.89 | 4934.0 | -10.9 | -12.4 | 1.00 | 228.89 | -9.8 | | |
| 4 | 10216.6 | 4.34 | 228.89 | 10299.8 | -260.0 | -318.6 | 0.00 | 0.00 | -262.8 | | |
| 5 | 11243.9 | 90.00 | 359.58 | 10900.0 | 292.0 | -397.2 | 10.00 | 130.81 | 320.6 | | |
| 6 | 16470.0 | 90.00 | 359.58 | 10900.0 | 4718.0 | -390.0 | 0.00 | 0.00 | 4734.1 | | PBH(L,R 26 State Com #602H) |

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Shape |
|-----------------------------|---------|--------|--------|-----------|-----------|-------|
| PTPLR 26 State Com #602H | 10900.0 | -0.0 | -356.0 | 399208.00 | 748237.00 | Point |
| LPLR 26 State Com #602H | 10900.0 | 4818.0 | -389.0 | 403824.00 | 748703.00 | Point |
| PBH(L,R 26 State Com #602H) | 10900.0 | 4718.0 | -390.0 | 403928.00 | 748202.00 | Point |





HOBS OGD

SEP 30 2014

RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Lomas Rojas 26 State

#502H

OH

Plan: Plan #1

Standard Planning Report

29 September, 2014



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
Well: #502H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 25 @ 3354.0usft
MD Reference: KB = 25 @ 3354.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

| | | | | | |
|------------------------------|----------------------|---------------------|-----------------|--------------------------|-------------------|
| Site | Lomas Rojas 26 State | | | | |
| Site Position: | | Northing: | 399,208.00 usft | Latitude: | 32° 5' 42.127 N |
| From: | Map | Easting: | 746,622.00 usft | Longitude: | 103° 32' 13.033 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.42 ° |

| | | | | | | |
|-----------------------------|--------------|------------|----------------------------|-----------------|----------------------|-------------------|
| Well | #502H | | | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 399,208.00 usft | Latitude: | 32° 5' 42.129 N |
| | +E/-W | -30.0 usft | Easting: | 746,592.00 usft | Longitude: | 103° 32' 13.382 W |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | 0.0 usft | Ground Level: | 3,329.0 usft |

| | | | | | |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | IGRF201014 | 9/29/2014 | (°) | (°) | (nT) |
| | | | 7.16 | 59.99 | 48,214 |

| | | | | |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| Design | Plan #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction |
| | (usft) | (usft) | (usft) | (°) |
| | 0.0 | 0.0 | 0.0 | 355.28 |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,500.0 | 0.00 | 0.00 | 4,500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,934.4 | 4.34 | 228.68 | 4,934.0 | -10.9 | -12.4 | 1.00 | 1.00 | 0.00 | 228.68 | |
| 10,315.5 | 4.34 | 228.68 | 10,299.6 | -280.0 | -318.5 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11,243.9 | 90.00 | 359.58 | 10,900.0 | 292.0 | -357.2 | 10.00 | 9.23 | 14.10 | 130.81 | |
| 15,670.0 | 90.00 | 359.58 | 10,900.0 | 4,718.0 | -390.0 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL(LR 26 State Cc |



EOG Resources, Inc.

Planning Report

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Company: EOG Resources - Midland
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Site: Lomas Rojas 26 State
Well: #502H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 25 @ 3354.0usft
MD Reference: KB = 25 @ 3354.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 0.00 | 0.00 | 1,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 0.00 | 0.00 | 1,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 0.00 | 0.00 | 2,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 0.00 | 0.00 | 2,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 0.00 | 0.00 | 2,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 0.00 | 0.00 | 2,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 0.00 | 0.00 | 2,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 0.00 | 0.00 | 2,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 0.00 | 0.00 | 2,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 0.00 | 0.00 | 2,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 0.00 | 0.00 | 2,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 0.00 | 0.00 | 2,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 0.00 | 0.00 | 3,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 0.00 | 0.00 | 3,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 0.00 | 0.00 | 3,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 0.00 | 0.00 | 3,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 0.00 | 0.00 | 3,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 0.00 | 0.00 | 3,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 0.00 | 0.00 | 3,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 0.00 | 0.00 | 3,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 0.00 | 0.00 | 3,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 0.00 | 0.00 | 3,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 0.00 | 0.00 | 4,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 0.00 | 0.00 | 4,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 0.00 | 0.00 | 4,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 0.00 | 0.00 | 4,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 0.00 | 0.00 | 4,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 0.00 | 0.00 | 4,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 1.00 | 228.68 | 4,600.0 | -0.6 | -0.7 | -0.5 | 1.00 | 1.00 | 0.00 |
| 4,700.0 | 2.00 | 228.68 | 4,700.0 | -2.3 | -2.6 | -2.1 | 1.00 | 1.00 | 0.00 |
| 4,800.0 | 3.00 | 228.68 | 4,799.9 | -5.2 | -5.9 | -4.7 | 1.00 | 1.00 | 0.00 |
| 4,900.0 | 4.00 | 228.68 | 4,899.7 | -9.2 | -10.5 | -8.3 | 1.00 | 1.00 | 0.00 |
| 4,934.4 | 4.34 | 228.68 | 4,934.0 | -10.9 | -12.4 | -9.8 | 1.00 | 1.00 | 0.00 |
| 5,000.0 | 4.34 | 228.68 | 4,999.4 | -14.1 | -16.1 | -12.8 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 4.34 | 228.68 | 5,099.1 | -19.1 | -21.8 | -17.3 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 4.34 | 228.68 | 5,198.8 | -24.1 | -27.5 | -21.8 | 0.00 | 0.00 | 0.00 |



EOG Resources, Inc.

Planning Report

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Wellbore: OH
Design: Plan #1

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Survey Calculation Method: Minimum Curvature

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,300.0 | 4.34 | 228.68 | 5,298.5 | -29.1 | -33.2 | -26.3 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 4.34 | 228.68 | 5,398.2 | -34.2 | -38.8 | -30.8 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 4.34 | 228.68 | 5,498.0 | -39.2 | -44.5 | -35.3 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 4.34 | 228.68 | 5,597.7 | -44.2 | -50.2 | -39.9 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 4.34 | 228.68 | 5,697.4 | -49.2 | -55.9 | -44.4 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 4.34 | 228.68 | 5,797.1 | -54.2 | -61.6 | -48.9 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 4.34 | 228.68 | 5,896.8 | -59.2 | -67.3 | -53.4 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 4.34 | 228.68 | 5,996.5 | -64.2 | -73.0 | -57.9 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 4.34 | 228.68 | 6,096.2 | -69.2 | -78.7 | -62.4 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 4.34 | 228.68 | 6,195.9 | -74.2 | -84.4 | -67.0 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 4.34 | 228.68 | 6,295.7 | -79.2 | -90.0 | -71.5 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 4.34 | 228.68 | 6,395.4 | -84.2 | -95.7 | -76.0 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 4.34 | 228.68 | 6,495.1 | -89.2 | -101.4 | -80.5 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 4.34 | 228.68 | 6,594.8 | -94.2 | -107.1 | -85.0 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 4.34 | 228.68 | 6,694.5 | -99.2 | -112.8 | -89.5 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 4.34 | 228.68 | 6,794.2 | -104.2 | -118.5 | -94.0 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 4.34 | 228.68 | 6,893.9 | -109.2 | -124.2 | -98.6 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 4.34 | 228.68 | 6,993.7 | -114.2 | -129.9 | -103.1 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 4.34 | 228.68 | 7,093.4 | -119.2 | -135.6 | -107.6 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 4.34 | 228.68 | 7,193.1 | -124.2 | -141.2 | -112.1 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 4.34 | 228.68 | 7,292.8 | -129.2 | -146.9 | -116.6 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 4.34 | 228.68 | 7,392.5 | -134.2 | -152.6 | -121.1 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 4.34 | 228.68 | 7,492.2 | -139.2 | -158.3 | -125.7 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 4.34 | 228.68 | 7,591.9 | -144.2 | -164.0 | -130.2 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 4.34 | 228.68 | 7,691.6 | -149.2 | -169.7 | -134.7 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 4.34 | 228.68 | 7,791.4 | -154.2 | -175.4 | -139.2 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 4.34 | 228.68 | 7,891.1 | -159.2 | -181.1 | -143.7 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 4.34 | 228.68 | 7,990.8 | -164.2 | -186.8 | -148.2 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 4.34 | 228.68 | 8,090.5 | -169.2 | -192.4 | -152.7 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 4.34 | 228.68 | 8,190.2 | -174.2 | -198.1 | -157.3 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 4.34 | 228.68 | 8,289.9 | -179.2 | -203.8 | -161.8 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 4.34 | 228.68 | 8,389.6 | -184.2 | -209.5 | -166.3 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 4.34 | 228.68 | 8,489.3 | -189.2 | -215.2 | -170.8 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 4.34 | 228.68 | 8,589.1 | -194.2 | -220.9 | -175.3 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 4.34 | 228.68 | 8,688.8 | -199.2 | -226.6 | -179.8 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 4.34 | 228.68 | 8,788.5 | -204.2 | -232.3 | -184.3 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 4.34 | 228.68 | 8,888.2 | -209.2 | -237.9 | -188.9 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 4.34 | 228.68 | 8,987.9 | -214.2 | -243.6 | -193.4 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 4.34 | 228.68 | 9,087.6 | -219.2 | -249.3 | -197.9 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 4.34 | 228.68 | 9,187.3 | -224.2 | -255.0 | -202.4 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 4.34 | 228.68 | 9,287.0 | -229.2 | -260.7 | -206.9 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 4.34 | 228.68 | 9,386.8 | -234.2 | -266.4 | -211.4 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 4.34 | 228.68 | 9,486.5 | -239.2 | -272.1 | -216.0 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 4.34 | 228.68 | 9,586.2 | -244.2 | -277.8 | -220.5 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 4.34 | 228.68 | 9,685.9 | -249.2 | -283.5 | -225.0 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 4.34 | 228.68 | 9,785.6 | -254.2 | -289.1 | -229.5 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 4.34 | 228.68 | 9,885.3 | -259.2 | -294.8 | -234.0 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 4.34 | 228.68 | 9,985.0 | -264.2 | -300.5 | -238.5 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 4.34 | 228.68 | 10,084.7 | -269.2 | -306.2 | -243.0 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 4.34 | 228.68 | 10,184.5 | -274.2 | -311.9 | -247.6 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 4.34 | 228.68 | 10,284.2 | -279.2 | -317.6 | -252.1 | 0.00 | 0.00 | 0.00 |
| 10,315.5 | 4.34 | 228.68 | 10,299.6 | -280.0 | -318.5 | -252.8 | 0.00 | 0.00 | 0.00 |
| 10,350.0 | 3.34 | 280.07 | 10,334.1 | -280.6 | -320.4 | -253.3 | 10.00 | -2.90 | 148.93 |
| 10,400.0 | 6.50 | 329.30 | 10,383.9 | -278.0 | -323.3 | -250.4 | 10.00 | 6.31 | 98.46 |



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
Well: #502H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 25 @ 3354.0usft
MD Reference: KB = 25 @ 3354.0usft
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) |
|-----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 10,450.0 | 11.10 | 342.56 | 10,433.3 | -270.9 | -326.2 | -243.1 | 10.00 | 9.21 | 26.51 |
| 10,500.0 | 15.94 | 347.98 | 10,481.9 | -259.6 | -329.1 | -231.6 | 10.00 | 9.68 | 10.84 |
| 10,550.0 | 20.86 | 350.91 | 10,529.3 | -244.1 | -331.9 | -215.9 | 10.00 | 9.83 | 5.86 |
| 10,600.0 | 25.80 | 352.75 | 10,575.2 | -224.5 | -334.7 | -196.2 | 10.00 | 9.89 | 3.69 |
| 10,650.0 | 30.77 | 354.04 | 10,619.2 | -201.0 | -337.4 | -172.5 | 10.00 | 9.93 | 2.57 |
| 10,700.0 | 35.74 | 355.00 | 10,661.0 | -173.7 | -340.0 | -145.1 | 10.00 | 9.94 | 1.92 |
| 10,750.0 | 40.72 | 355.75 | 10,700.3 | -142.9 | -342.5 | -114.2 | 10.00 | 9.96 | 1.50 |
| 10,800.0 | 45.70 | 356.36 | 10,736.7 | -108.7 | -344.8 | -79.9 | 10.00 | 9.96 | 1.23 |
| 10,850.0 | 50.69 | 356.88 | 10,770.1 | -71.5 | -347.0 | -42.7 | 10.00 | 9.97 | 1.03 |
| 10,900.0 | 55.67 | 357.33 | 10,800.0 | -31.6 | -349.0 | -2.7 | 10.00 | 9.97 | 0.90 |
| 10,950.0 | 60.66 | 357.73 | 10,826.4 | 10.9 | -350.9 | 39.7 | 10.00 | 9.98 | 0.80 |
| 10,971.0 | 62.76 | 357.88 | 10,836.3 | 29.4 | -351.6 | 58.2 | 10.00 | 9.98 | 0.74 |
| FTP(LR 26 State Com #502H) | | | | | | | | | |
| 11,000.0 | 65.65 | 358.09 | 10,848.9 | 55.4 | -352.5 | 84.3 | 10.00 | 9.98 | 0.71 |
| 11,050.0 | 70.64 | 358.42 | 10,867.6 | 101.8 | -353.9 | 130.6 | 10.00 | 9.98 | 0.67 |
| 11,100.0 | 75.63 | 358.73 | 10,882.0 | 149.6 | -355.1 | 178.4 | 10.00 | 9.98 | 0.63 |
| 11,150.0 | 80.62 | 359.03 | 10,892.3 | 198.5 | -356.1 | 227.2 | 10.00 | 9.98 | 0.60 |
| 11,200.0 | 85.62 | 359.32 | 10,898.3 | 248.2 | -356.8 | 276.7 | 10.00 | 9.98 | 0.58 |
| 11,243.9 | 90.00 | 359.58 | 10,900.0 | 292.0 | -357.2 | 320.5 | 10.00 | 9.98 | 0.57 |
| 11,300.0 | 90.00 | 359.58 | 10,900.0 | 348.1 | -357.6 | 376.4 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.00 | 359.58 | 10,900.0 | 448.1 | -358.3 | 476.1 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.00 | 359.58 | 10,900.0 | 548.1 | -359.1 | 575.8 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.00 | 359.58 | 10,900.0 | 648.1 | -359.8 | 675.5 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.00 | 359.58 | 10,900.0 | 748.1 | -360.6 | 775.3 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.00 | 359.58 | 10,900.0 | 848.1 | -361.3 | 875.0 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.00 | 359.58 | 10,900.0 | 948.1 | -362.1 | 974.7 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 90.00 | 359.58 | 10,900.0 | 1,048.1 | -362.8 | 1,074.4 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.00 | 359.58 | 10,900.0 | 1,148.1 | -363.5 | 1,174.1 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 90.00 | 359.58 | 10,900.0 | 1,248.1 | -364.3 | 1,273.8 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.00 | 359.58 | 10,900.0 | 1,348.1 | -365.0 | 1,373.6 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 90.00 | 359.58 | 10,900.0 | 1,448.1 | -365.8 | 1,473.3 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 90.00 | 359.58 | 10,900.0 | 1,548.1 | -366.5 | 1,573.0 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.00 | 359.58 | 10,900.0 | 1,648.1 | -367.2 | 1,672.7 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 90.00 | 359.58 | 10,900.0 | 1,748.1 | -368.0 | 1,772.4 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 90.00 | 359.58 | 10,900.0 | 1,848.1 | -368.7 | 1,872.2 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 90.00 | 359.58 | 10,900.0 | 1,948.1 | -369.5 | 1,971.9 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 90.00 | 359.58 | 10,900.0 | 2,048.1 | -370.2 | 2,071.6 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 90.00 | 359.58 | 10,900.0 | 2,148.1 | -370.9 | 2,171.3 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | 90.00 | 359.58 | 10,900.0 | 2,248.1 | -371.7 | 2,271.0 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 90.00 | 359.58 | 10,900.0 | 2,348.0 | -372.4 | 2,370.7 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | 90.00 | 359.58 | 10,900.0 | 2,448.0 | -373.2 | 2,470.5 | 0.00 | 0.00 | 0.00 |
| 13,500.0 | 90.00 | 359.58 | 10,900.0 | 2,548.0 | -373.9 | 2,570.2 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 90.00 | 359.58 | 10,900.0 | 2,648.0 | -374.7 | 2,669.9 | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 90.00 | 359.58 | 10,900.0 | 2,748.0 | -375.4 | 2,769.6 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 90.00 | 359.58 | 10,900.0 | 2,848.0 | -376.1 | 2,869.3 | 0.00 | 0.00 | 0.00 |
| 13,900.0 | 90.00 | 359.58 | 10,900.0 | 2,948.0 | -376.9 | 2,969.1 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 90.00 | 359.58 | 10,900.0 | 3,048.0 | -377.6 | 3,068.8 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 90.00 | 359.58 | 10,900.0 | 3,148.0 | -378.4 | 3,168.5 | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 90.00 | 359.58 | 10,900.0 | 3,248.0 | -379.1 | 3,268.2 | 0.00 | 0.00 | 0.00 |
| 14,300.0 | 90.00 | 359.58 | 10,900.0 | 3,348.0 | -379.8 | 3,367.9 | 0.00 | 0.00 | 0.00 |
| 14,400.0 | 90.00 | 359.58 | 10,900.0 | 3,448.0 | -380.6 | 3,467.7 | 0.00 | 0.00 | 0.00 |
| 14,500.0 | 90.00 | 359.58 | 10,900.0 | 3,548.0 | -381.3 | 3,567.4 | 0.00 | 0.00 | 0.00 |
| 14,600.0 | 90.00 | 359.58 | 10,900.0 | 3,648.0 | -382.1 | 3,667.1 | 0.00 | 0.00 | 0.00 |



EOG Resources, Inc.

Planning Report

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| 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) |
|------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 14,700.0 | 90.00 | 359.58 | 10,900.0 | 3,748.0 | -382.8 | 3,766.8 | 0.00 | 0.00 | 0.00 |
| 14,800.0 | 90.00 | 359.58 | 10,900.0 | 3,848.0 | -383.6 | 3,866.5 | 0.00 | 0.00 | 0.00 |
| 14,900.0 | 90.00 | 359.58 | 10,900.0 | 3,948.0 | -384.3 | 3,966.2 | 0.00 | 0.00 | 0.00 |
| 15,000.0 | 90.00 | 359.58 | 10,900.0 | 4,048.0 | -385.0 | 4,066.0 | 0.00 | 0.00 | 0.00 |
| 15,100.0 | 90.00 | 359.58 | 10,900.0 | 4,148.0 | -385.8 | 4,165.7 | 0.00 | 0.00 | 0.00 |
| 15,200.0 | 90.00 | 359.58 | 10,900.0 | 4,248.0 | -386.5 | 4,265.4 | 0.00 | 0.00 | 0.00 |
| 15,300.0 | 90.00 | 359.58 | 10,900.0 | 4,348.0 | -387.3 | 4,365.1 | 0.00 | 0.00 | 0.00 |
| 15,400.0 | 90.00 | 359.58 | 10,900.0 | 4,448.0 | -388.0 | 4,464.8 | 0.00 | 0.00 | 0.00 |
| 15,500.0 | 90.00 | 359.58 | 10,900.0 | 4,548.0 | -388.7 | 4,564.6 | 0.00 | 0.00 | 0.00 |
| 15,570.0 | 90.00 | 359.58 | 10,900.0 | 4,618.0 | -389.3 | 4,634.4 | 0.00 | 0.00 | 0.00 |
| LTP(LR 26 State Com #502H) | | | | | | | | | |
| 15,600.0 | 90.00 | 359.58 | 10,900.0 | 4,648.0 | -389.5 | 4,664.3 | 0.00 | 0.00 | 0.00 |
| 15,670.0 | 90.00 | 359.58 | 10,900.0 | 4,718.0 | -390.0 | 4,734.1 | 0.00 | 0.00 | 0.00 |
| PBHL(LR 26 State Com #502H) | | | | | | | | | |

Design Targets

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|--|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|-------------------|
| FTP(LR 26 State Com # - plan misses target center by 71.5usft at 10971.0usft MD (10836.3 TVD, 29.4 N, -351.6 E) - Point | 0.00 | 0.00 | 10,900.0 | -3.0 | -355.0 | 399,205.00 | 746,237.00 | 32° 5' 42.125 N | 103° 32' 17.508 W |
| LTP(LR 26 State Com # - plan misses target center by 0.3usft at 15570.0usft MD (10900.0 TVD, 4618.0 N, -389.3 E) - Point | 0.00 | 0.00 | 10,900.0 | 4,618.0 | -389.0 | 403,826.00 | 746,203.00 | 32° 6' 27.855 N | 103° 32' 17.507 W |
| PBHL(LR 26 State Com - plan hits target center - Point | 0.00 | 0.00 | 10,900.0 | 4,718.0 | -390.0 | 403,926.00 | 746,202.00 | 32° 6' 28.845 N | 103° 32' 17.511 W |