

|                              |                                                       |                                              |
|------------------------------|-------------------------------------------------------|----------------------------------------------|
| Well Name: SHEBA FEDERAL COM | Well Location: T24S / R34E / SEC 27 / SENE /          | County or Parish/State:                      |
| Well Number: 306H            | Type of Well: OIL WELL                                | Allottee or Tribe Name:                      |
| Lease Number: NMNM016139     | Unit or CA Name:                                      | Unit or CA Number:                           |
| US Well Number:              | Well Status: Approved Application for Permit to Drill | Operator: CENTENNIAL RESOURCE PRODUCTION LLC |

Notice of Intent

Sundry ID: 2668377

|                                                |                              |
|------------------------------------------------|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: Other        |
| Date Sundry Submitted: 04/25/2022              | Time Sundry Submitted: 12:20 |
| Date proposed operation will begin: 09/17/2022 |                              |

**Procedure Description:** Centennial Resource Production, LLC requests to move the SHL of this well from 2189 FNL & 1070 FEL to 2299 FNL & 1100 FEL, please see attached updated plat and directional plan. Centennial also requests to batch set the Sheba Federal Com 305H & Sheba Federal Com 306H wells with the offline cementing for the surface and intermediate strings, please see attached procedures for both the batch setting and offline cement details. The proposed wellbore diagram is also attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Sheba\_Federal\_Com\_306H\_\_Plan\_1\_11\_10\_21\_20220425121911.pdf
- SHEBA\_FED\_COM\_306H\_WELL\_PLAT\_20220425100929.pdf
- Sheba\_Fed\_Com\_306H\_WBD\_\_Proposed\_\_20220425085028.pdf
- Sheba\_Federal\_Com\_306H\_Offline\_Cementing\_Procedure\_20220425085023.pdf
- Sheba\_Federal\_Com\_306H\_Batch\_Setting\_\_April\_2022\_20220425085013.pdf

|                              |                                                       |                                              |
|------------------------------|-------------------------------------------------------|----------------------------------------------|
| Well Name: SHEBA FEDERAL COM | Well Location: T24S / R34E / SEC 27 / SENE /          | County or Parish/State:                      |
| Well Number: 306H            | Type of Well: OIL WELL                                | Allottee or Tribe Name:                      |
| Lease Number: NMNM016139     | Unit or CA Name:                                      | Unit or CA Number:                           |
| US Well Number:              | Well Status: Approved Application for Permit to Drill | Operator: CENTENNIAL RESOURCE PRODUCTION LLC |

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

|                                             |                                  |
|---------------------------------------------|----------------------------------|
| Operator Electronic Signature: MEGHAN TWELE | Signed on: APR 25, 2022 08:50 AM |
| Name: CENTENNIAL RESOURCE PRODUCTION LLC    |                                  |
| Title: Sr Regulatory Analyst                |                                  |
| Street Address: 1001 17TH STREET SUITE 1800 |                                  |
| City: DENVER                                | State: CO                        |
| Phone: (720) 499-1531                       |                                  |
| Email address: MEGHAN.TWELE@CDEVINC.COM     |                                  |

Field

|                      |        |      |
|----------------------|--------|------|
| Representative Name: |        |      |
| Street Address:      |        |      |
| City:                | State: | Zip: |
| Phone:               |        |      |
| Email address:       |        |      |

BLM Point of Contact

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| BLM POC Name: Cody Layton | BLM POC Title: Assistant Field Manager Lands & Minerals |
| BLM POC Phone: 5752345959 | BLM POC Email Address: clayton@blm.gov                  |
| Disposition: Approved     | Disposition Date: 05/06/2022                            |
| Signature: Cody R. Layton |                                                         |

**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>30-025-50268 | <sup>2</sup> Pool Code<br>96434                                   | <sup>3</sup> Pool Name<br>Red Hills; Bone Spring, North |
| <sup>4</sup> Property Code<br>318028    | <sup>5</sup> Property Name<br>SHEBA FEDERAL COM                   | <sup>6</sup> Well Number<br>306H                        |
| <sup>7</sup> OGRID No.<br>372165        | <sup>8</sup> Operator Name<br>CENTENNIAL RESOURCE PRODUCTION, LLC | <sup>9</sup> Elevation<br>3463.9'                       |

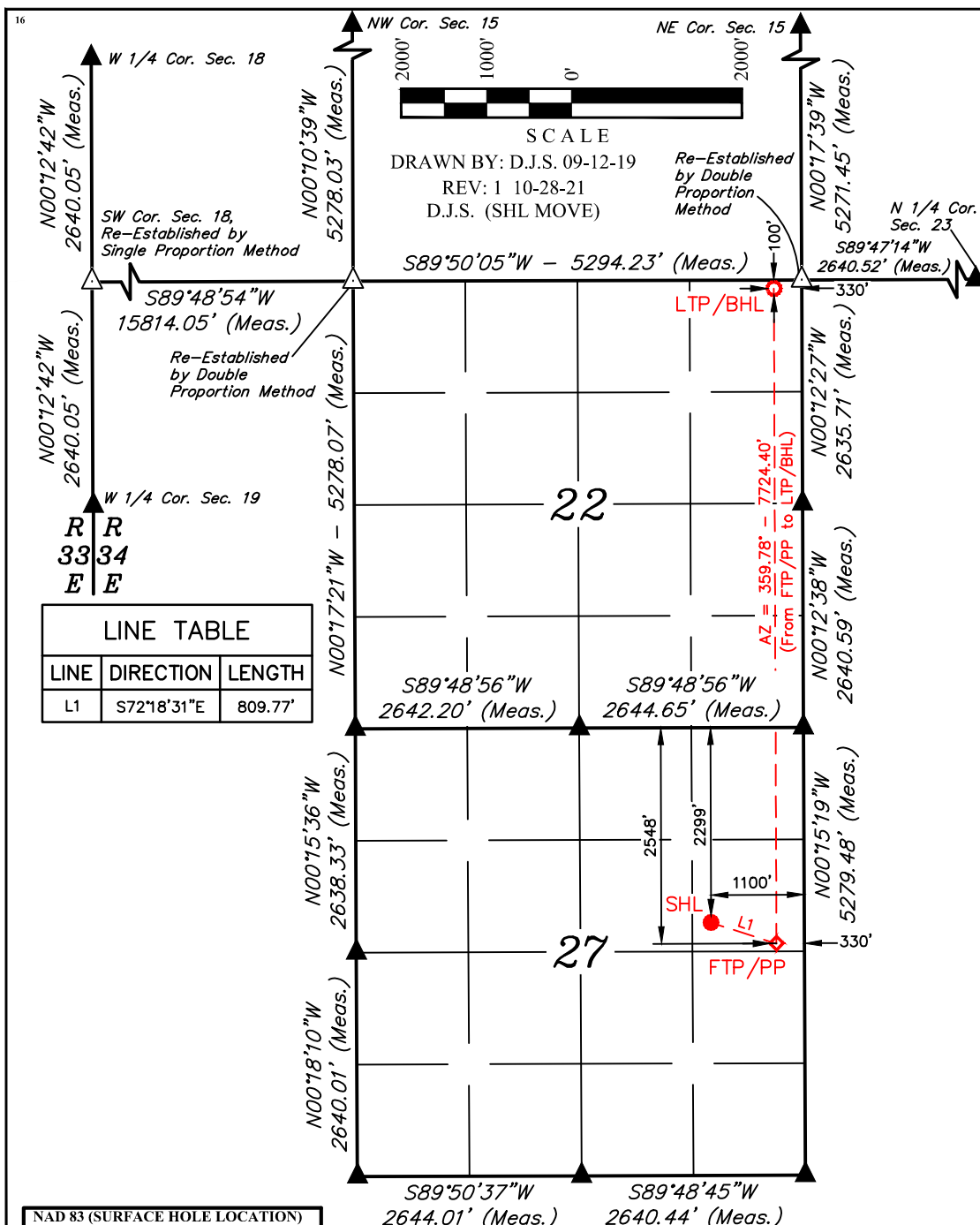
<sup>10</sup>Surface Location

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| H             | 27      | 24S      | 34E   |         | 2299          | NORTH            | 1100          | EAST           | LEA    |

## "Bottom Hole Location If Different From Surface

|                                      |               |                               |              |                                  |                      |                           |                      |                        |               |
|--------------------------------------|---------------|-------------------------------|--------------|----------------------------------|----------------------|---------------------------|----------------------|------------------------|---------------|
| UL or lot no.<br>A                   | Section<br>22 | Township<br>24S               | Range<br>34E | Lot Idn                          | Feet from the<br>100 | North/South line<br>NORTH | Feet from the<br>330 | East/West line<br>EAST | County<br>LEA |
| <sup>12</sup> Dedicated Acres<br>240 |               | <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.



| LINE TABLE |             |         |
|------------|-------------|---------|
| LINE       | DIRECTION   | LENGTH  |
| L1         | S72°18'31"E | 809.77' |

|                                         |
|-----------------------------------------|
| <b>NAD 83 (SURFACE HOLE LOCATION)</b>   |
| LATITUDE = 32°11'22.06" (32.189460°)    |
| LONGITUDE = 103°27'10.21" (103.452837°) |
| <b>STATE PLANE NAD 83 (N.M. EAST)</b>   |
| Y: 433775.23' X: 813722.82'             |
| <b>UTM, NAD 83 (ZONE 13)</b>            |
| Y: 11687920.90' X: 2118907.34'          |

|                                         |
|-----------------------------------------|
| <b>NAD 83 (FTP/PP)</b>                  |
| LATITUDE = 32°11'19.59" (32.188776°)    |
| LONGITUDE = 103°27'01.25" (103.450347°) |
| <b>STATE PLANE NAD 83 (N.M. EAST)</b>   |
| Y: 433532.42' X: 814495.20'             |
| <b>UTM, NAD 83 (ZONE 13)</b>            |
| Y: 11687682.92' X: 2119681.10'          |

|                                         |
|-----------------------------------------|
| <b>NAD 83 (LTP/BHL)</b>                 |
| LATITUDE = 32°12'36.02" (32.210004°)    |
| LONGITUDE = 103°27'01.24" (103.450344°) |
| <b>STATE PLANE NAD 83 (N.M. EAST)</b>   |
| Y: 441255.35' X: 814432.64'             |
| <b>UTM, NAD 83 (ZONE 13)</b>            |
| Y: 11695404.29' X: 2119570.66'          |

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

- = SURFACE HOLE LOCATION
- ◆ = FIRST TAKE POINT/  
PENETRATION POINT
- ⊙ = LAST TAKE POINT/  
BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER  
RE-ESTABLISHED.  
(Not Set on Ground.)

## 17 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 unleased 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 [Signature] Date 6/27/22

Meghan Twele  
Printed Name

meghan.twele@cdevinc.com

E-mail Address

## 18 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 and correct to the best of my belief.*

August 23, 2019

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

## CENTENNIAL

## WBD

Well : Sheba Federal Com 306H

Area : Solomon

FM tgt: 1st BSS

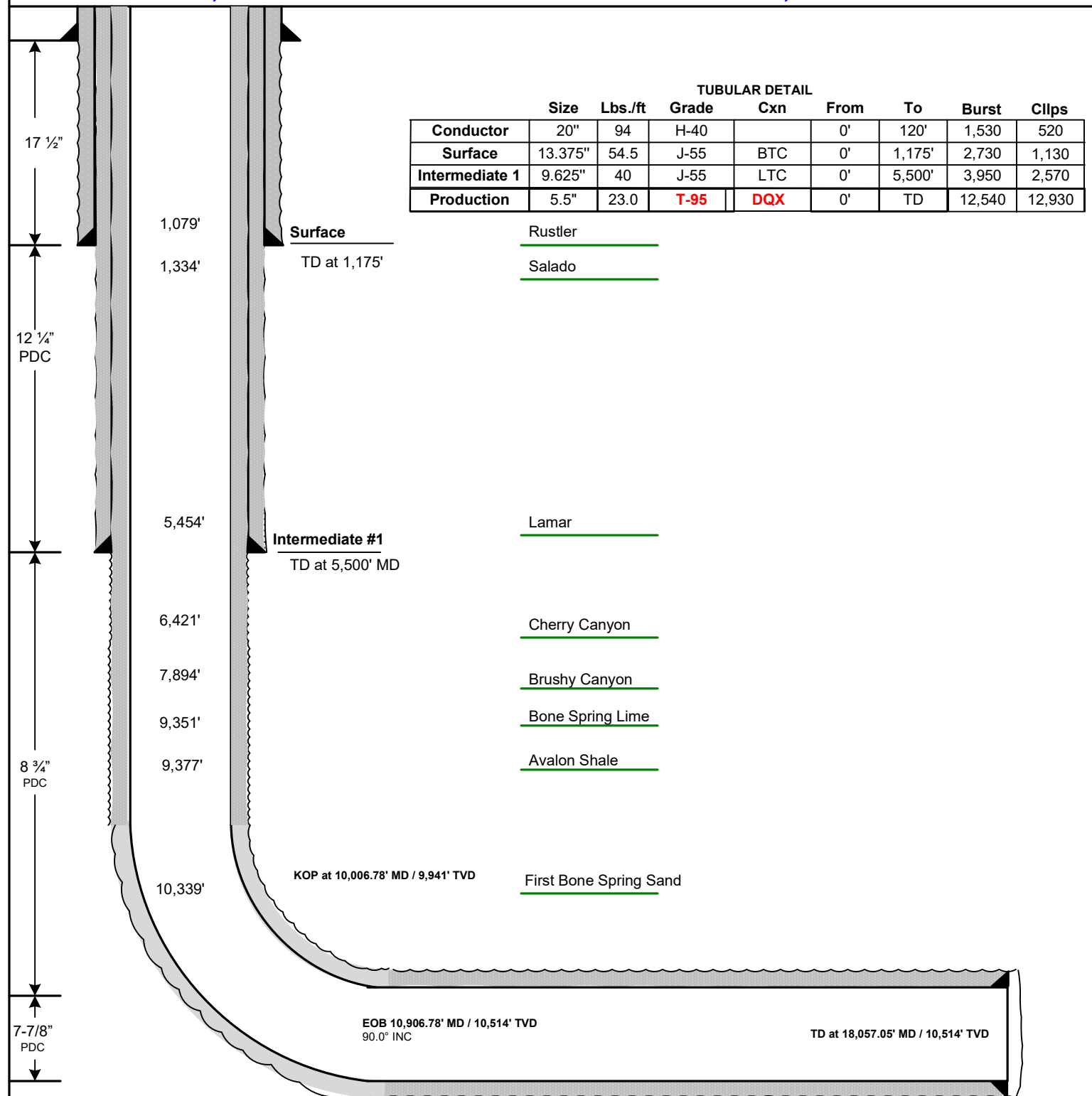


County : Lea State : NM

Location : Lot H Section 27, T24S, R34E; 2,299' FNL &amp; 1,100' FEL

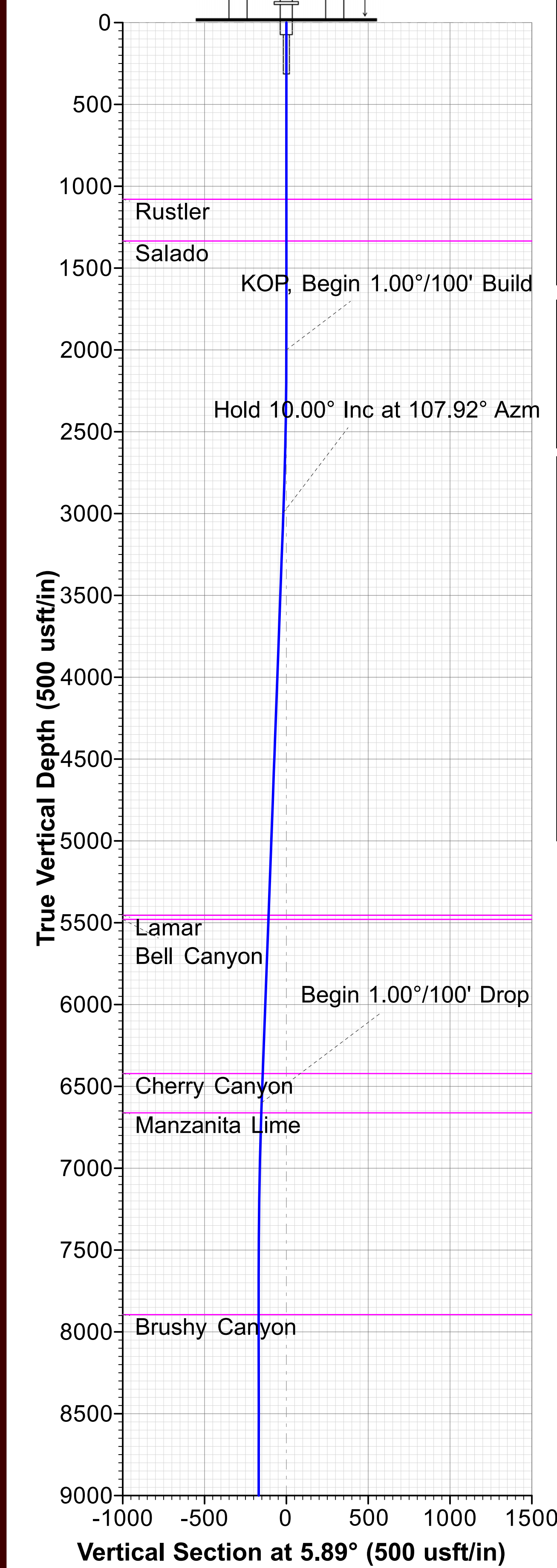
BHL : Lot A, Section 27, T24S, R34E; 100' FNL &amp; 330' FEL

KB Elev : 3,489' MSL KB : 26' AGL GL Elev : 3,464' MSL



RKB @ 3489.90usft (H&P 313)

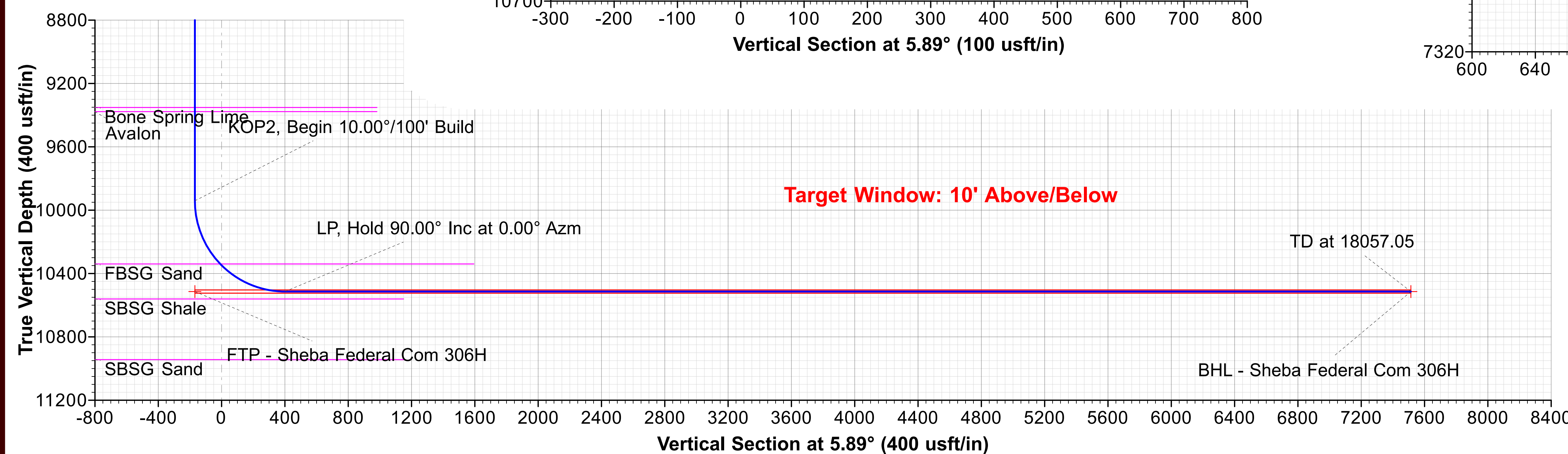
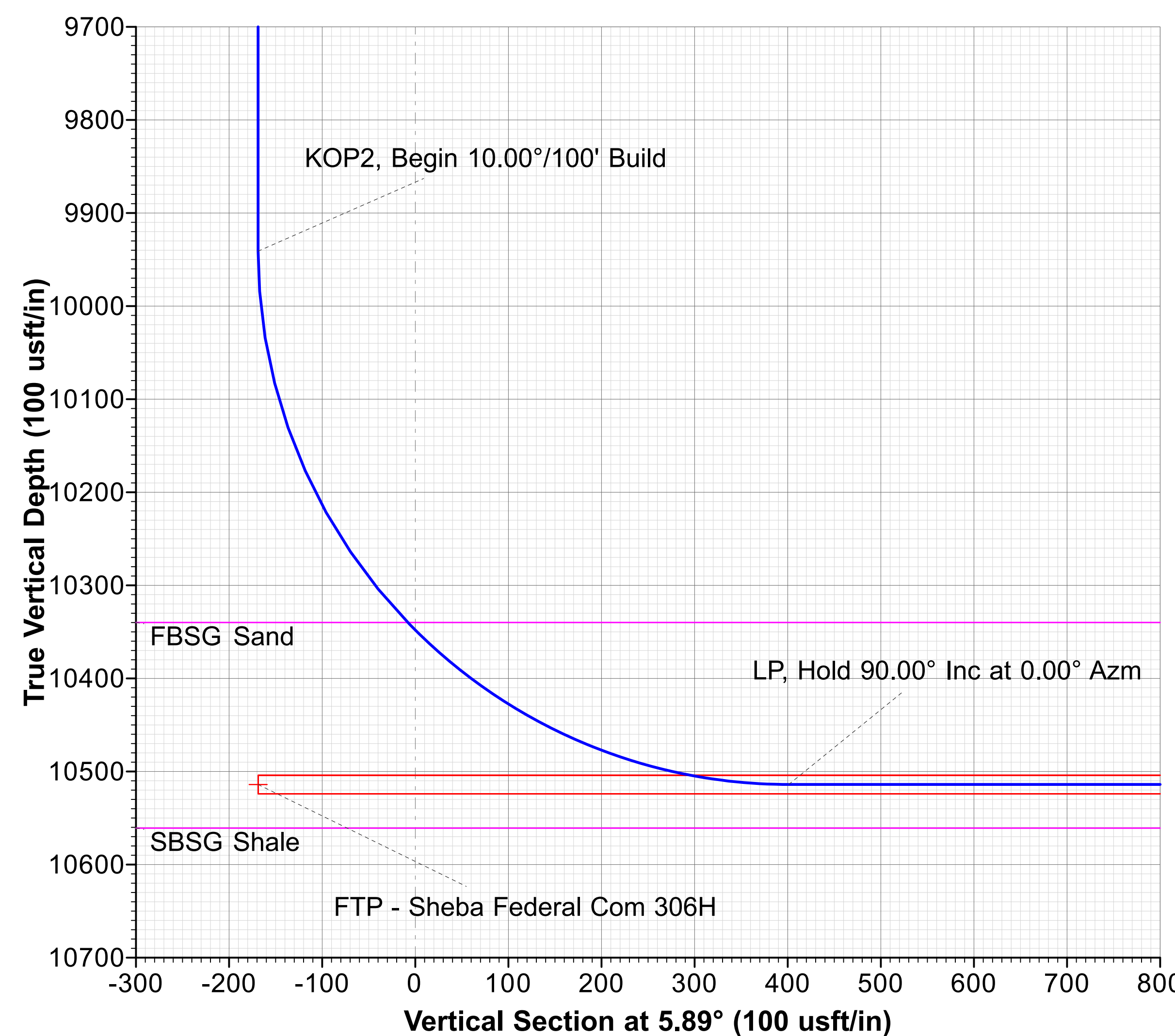
Ground Level: 3463.90



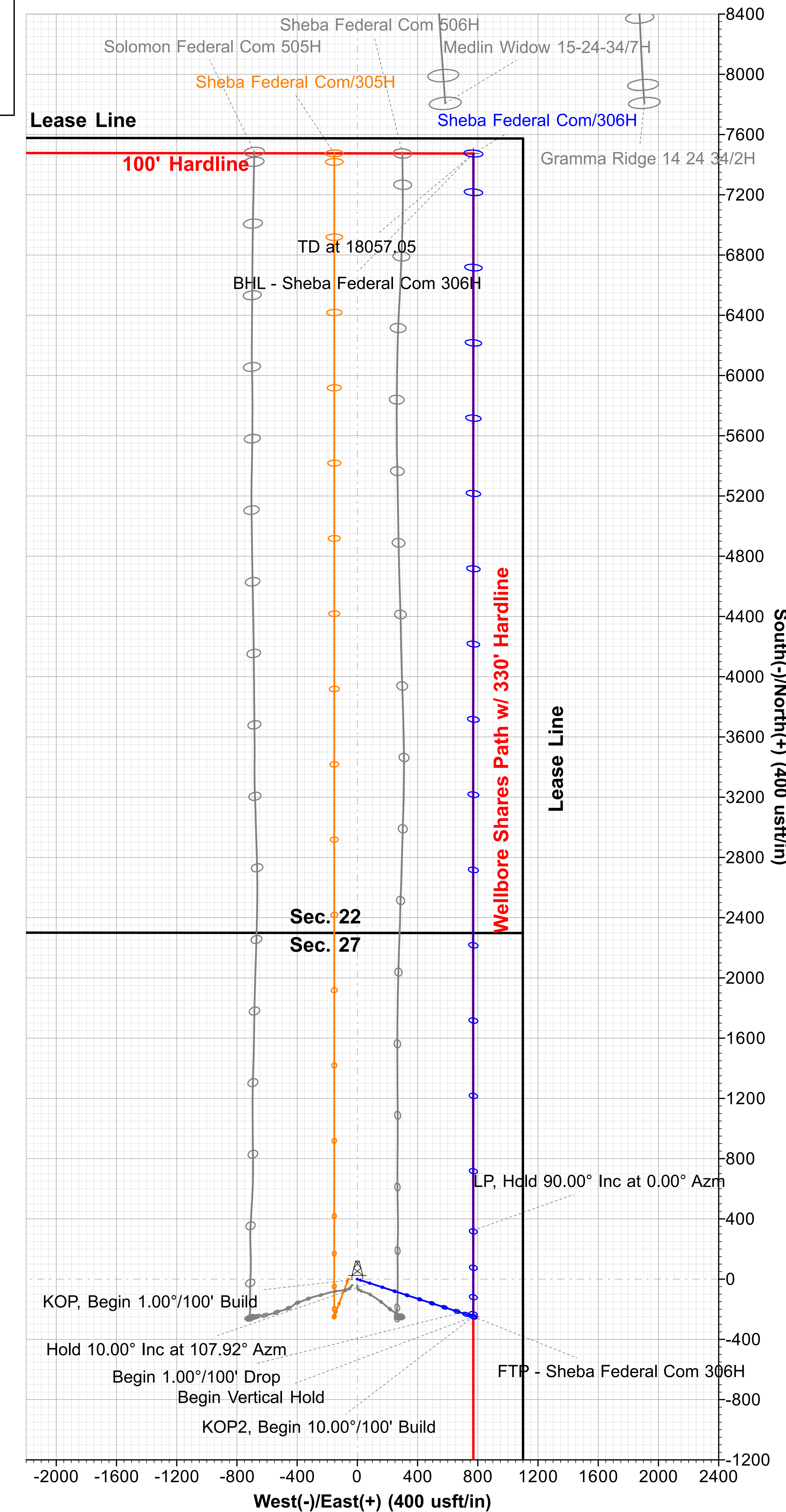
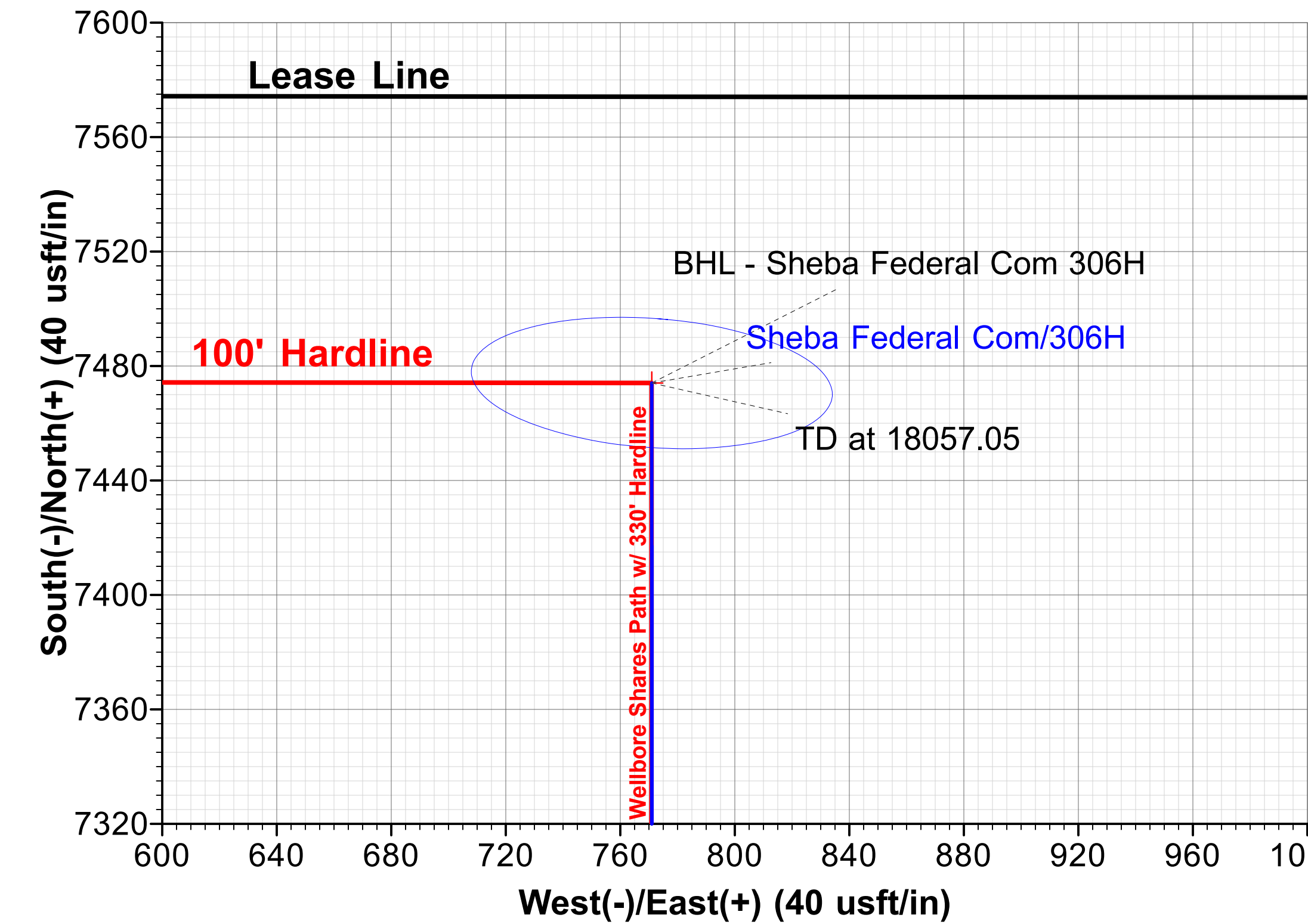
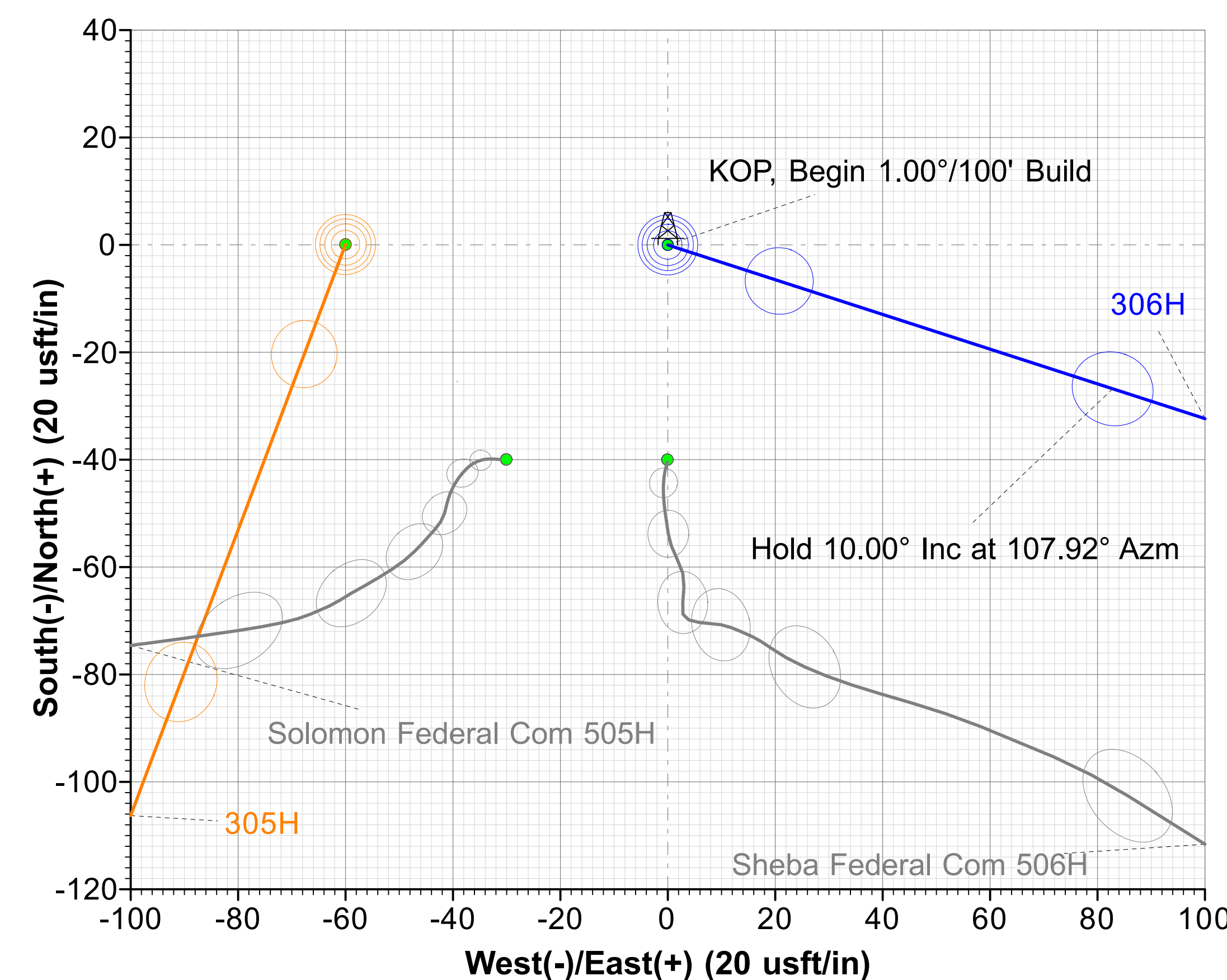
| WELL DETAILS    |          |       |               |          |             |            |                     |                      |         |                              |                                  |
|-----------------|----------|-------|---------------|----------|-------------|------------|---------------------|----------------------|---------|------------------------------|----------------------------------|
|                 |          |       | Ground Level: |          | 3463.90     |            |                     |                      |         |                              |                                  |
|                 |          |       | +N/-S         | +E/-W    | Northing    | Easting    | Latitude            | Longitude            |         |                              |                                  |
|                 |          |       | 0.00          | 0.00     | 11687920.90 | 2118907.34 | 32° 11' 22.057542 N | 103° 27' 10.212756 W |         |                              |                                  |
| SECTION DETAILS |          |       |               |          |             |            |                     |                      |         |                              |                                  |
| Sec             | MD       | Inc   | Azi           | TVD      | +N/-S       | +E/-W      | Dleg                | TFace                | VSect   | Target                       | Annotation                       |
| 1               | 0.00     | 0.00  | 0.00          | 0.00     | 0.00        | 0.00       | 0.00                | 0.00                 | 0.00    |                              |                                  |
| 2               | 2000.00  | 0.00  | 0.00          | 2000.00  | 0.00        | 0.00       | 0.00                | 0.00                 | 0.00    |                              | KOP, Begin 1.00°/100' Build      |
| 3               | 3000.00  | 10.00 | 107.92        | 2994.93  | -26.78      | 82.82      | 1.00                | 107.92               | -18.14  |                              | Hold 10.00° Inc at 107.92° Azm   |
| 4               | 6659.99  | 10.00 | 107.92        | 6599.32  | -222.34     | 687.54     | 0.00                | 0.00                 | -150.61 |                              | Begin 1.00°/100' Drop            |
| 5               | 7659.99  | 0.00  | 0.00          | 7594.25  | -249.12     | 770.36     | 1.00                | 180.00               | -168.76 |                              | Begin Vertical Hold              |
| 6               | 10006.78 | 0.00  | 0.00          | 9941.04  | -249.12     | 770.36     | 0.00                | 0.00                 | -168.76 |                              | KOP2, Begin 10.00°/100' Build    |
| 7               | 10906.78 | 90.00 | 0.00          | 10514.00 | 323.83      | 770.41     | 10.00               | 0.00                 | 401.18  |                              | LP, Hold 90.00° Inc at 0.00° Azm |
| 8               | 18057.05 | 90.00 | 0.00          | 10514.00 | 7474.10     | 771.03     | 0.00                | 0.00                 | 7513.77 | BHL - Sheba Federal Com 306H | TD at 18057.05                   |

| DESIGN TARGET DETAILS        |          |         |        |             |            |                     |                     |  |  |  |  |
|------------------------------|----------|---------|--------|-------------|------------|---------------------|---------------------|--|--|--|--|
| Name                         | TVD      | +N/-S   | +E/-W  | Northing    | Easting    | Latitude            | Longitude           |  |  |  |  |
| BHL - Sheba Federal Com 306H | 10514.00 | 7474.10 | 771.03 | 11695404.29 | 2119570.66 | 32° 12' 36.015148 N | 103° 27' 1.238552 W |  |  |  |  |
| FTP - Sheba Federal Com 306H | 10514.00 | -249.12 | 770.36 | 11687682.92 | 2119681.10 | 32° 11' 19.592340 N | 103° 27' 1.248673 W |  |  |  |  |

| FORMATION TOP DETAILS |          |                  |  |  |  |
|-----------------------|----------|------------------|--|--|--|
| TVDPath               | MDPath   | Formation        |  |  |  |
| 1079.90               | 1079.90  | Rustler          |  |  |  |
| 1334.90               | 1334.90  | Salado           |  |  |  |
| 5454.90               | 5497.92  | Lamar            |  |  |  |
| 5479.90               | 5523.30  | Bell Canyon      |  |  |  |
| 6421.90               | 6479.84  | Cherry Canyon    |  |  |  |
| 6661.90               | 6723.48  | Manzanita Lime   |  |  |  |
| 7894.90               | 7960.64  | Brushy Canyon    |  |  |  |
| 9351.90               | 9417.64  | Bone Spring Lime |  |  |  |
| 9377.90               | 9443.64  | Avalon           |  |  |  |
| 10339.90              | 10447.96 | FBSG Sand        |  |  |  |



Map System: Universal Transverse Mercator (US Survey Feet)  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone Name: Zone 13N (108 W to 102 W)  
Local Origin: Well 306H, True North  
Latitude: 32° 11' 22.057542 N  
Longitude: 103° 27' 10.212756 W  
Grid East: 2118907.34  
Grid North: 11687920.90  
Scale Factor: 1.000  
Geomagnetic Model: MVHD  
Sample Date: 09-Jan-22  
Magnetic Declination: 6.33°  
Dip Angle from Horizontal: 59.75°  
Magnetic Field Strength: 47537.91261376nT  
To convert a Magnetic Direction to a Grid Direction, Add 5.51°  
To convert a Magnetic Direction to a True Direction, Add 6.33° East  
To convert a True Direction to a Grid Direction, Subtract 0.82°





# **Centennial Resources Development, Inc.**

**Lea County, NM (NAD83 - UTM Zone 13)  
Sheba Federal Com  
306H**

**OH**

**Plan: Plan 1 11-10-21**

## **Standard Planning Report**

**09 November, 2021**





## Planning Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | USA Compass                            | <b>Local Co-ordinate Reference:</b> | Well 306H                   |
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>TVD Reference:</b>               | RKB @ 3489.90usft (H&P 313) |
| <b>Project:</b>  | Lea County, NM (NAD83 - UTM Zone 13)   | <b>MD Reference:</b>                | RKB @ 3489.90usft (H&P 313) |
| <b>Site:</b>     | Sheba Federal Com                      | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | 306H                                   | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | OH                                     |                                     |                             |
| <b>Design:</b>   | Plan 1 11-10-21                        |                                     |                             |

|                    |                                              |                      |                             |
|--------------------|----------------------------------------------|----------------------|-----------------------------|
| <b>Project</b>     | Lea County, NM (NAD83 - UTM Zone 13)         |                      |                             |
| <b>Map System:</b> | Universal Transverse Mercator (US Survey Fee | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983                    |                      |                             |
| <b>Map Zone:</b>   | Zone 13N (108 W to 102 W)                    |                      | Using geodetic scale factor |

| Site                  |     | Sheba Federal Com |                    |            |                      |
|-----------------------|-----|-------------------|--------------------|------------|----------------------|
| Site Position:        |     | Northing:         | 11,687,920.11 usft | Latitude:  | 32° 11' 22.058264 N  |
| From:                 | Map | Easting:          | 2,118,847.36 usft  | Longitude: | 103° 27' 10.910857 W |
| Position Uncertainty: |     | 0.00 usft         | Slot Radius:       | 13-3/16 "  |                      |

|                      |       |            |                     |                    |               |                      |
|----------------------|-------|------------|---------------------|--------------------|---------------|----------------------|
| Well                 | 306H  |            |                     |                    |               |                      |
| Well Position        | +N/-S | -0.07 usft | Northing:           | 11,687,920.90 usft | Latitude:     | 32° 11' 22.057542 N  |
|                      | +E/-W | 59.99 usft | Easting:            | 2,118,907.34 usft  | Longitude:    | 103° 27' 10.212756 W |
| Position Uncertainty |       | 1.00 usft  | Wellhead Elevation: |                    | Ground Level: | 3,463.90 usft        |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | MVHD              | 1/9/2022           | 6.33                   | 59.75                | 47,537.91261376            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan 1 11-10-21                |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 0.00                           | 0.00                | 0.00                 | 5.89                 |

|                                 |                        |                          |                      |                        |
|---------------------------------|------------------------|--------------------------|----------------------|------------------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 11/9/2021                |                      |                        |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>     | <b>Remarks</b>         |
| 1                               | 0.00                   | 18,057.05                | Plan 1 11-10-21 (OH) | MWD+IFR1+MS            |
|                                 |                        |                          |                      | OWSG MWD + IFR1 + Mult |

|                              |                        |                    |                              |                     |                     |                                |                               |                              |                |                   |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|-------------------------------|------------------------------|----------------|-------------------|
| <b>Plan Sections</b>         |                        |                    |                              |                     |                     |                                |                               |                              |                |                   |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> | <b>TFO (°)</b> | <b>Target</b>     |
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                          | 0.00                         | 0.00           |                   |
| 2,000.00                     | 0.00                   | 0.00               | 2,000.00                     | 0.00                | 0.00                | 0.00                           | 0.00                          | 0.00                         | 0.00           |                   |
| 3,000.00                     | 10.00                  | 107.92             | 2,994.93                     | -26.78              | 82.82               | 1.00                           | 1.00                          | 0.00                         | 107.92         |                   |
| 6,659.99                     | 10.00                  | 107.92             | 6,599.32                     | -222.34             | 687.54              | 0.00                           | 0.00                          | 0.00                         | 0.00           |                   |
| 7,659.99                     | 0.00                   | 0.00               | 7,594.25                     | -249.12             | 770.36              | 1.00                           | -1.00                         | 0.00                         | 180.00         |                   |
| 10,006.78                    | 0.00                   | 0.00               | 9,941.04                     | -249.12             | 770.36              | 0.00                           | 0.00                          | 0.00                         | 0.00           |                   |
| 10,906.78                    | 90.00                  | 0.00               | 10,514.00                    | 323.83              | 770.41              | 10.00                          | 10.00                         | 0.00                         | 0.00           |                   |
| 18,057.05                    | 90.00                  | 0.00               | 10,514.00                    | 7,474.10            | 771.03              | 0.00                           | 0.00                          | 0.00                         | 0.00           | BHL - Sheba Feder |



## Planning Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | USA Compass                            | <b>Local Co-ordinate Reference:</b> | Well 306H                   |
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>TVD Reference:</b>               | RKB @ 3489.90usft (H&P 313) |
| <b>Project:</b>  | Lea County, NM (NAD83 - UTM Zone 13)   | <b>MD Reference:</b>                | RKB @ 3489.90usft (H&P 313) |
| <b>Site:</b>     | Sheba Federal Com                      | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | 306H                                   | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | OH                                     |                                     |                             |
| <b>Design:</b>   | Plan 1 11-10-21                        |                                     |                             |

| 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) |
| 0.00                                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,079.90                              | 0.00            | 0.00        | 1,079.90              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Rustler</b>                        |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,334.90                              | 0.00            | 0.00        | 1,334.90              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Salado</b>                         |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,000.00                              | 0.00            | 0.00        | 2,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP, Begin 1.00°/100' Build</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,100.00                              | 1.00            | 107.92      | 2,099.99              | -0.27        | 0.83         | -0.18                   | 1.00                    | 1.00                   | 0.00                  |
| 2,200.00                              | 2.00            | 107.92      | 2,199.96              | -1.07        | 3.32         | -0.73                   | 1.00                    | 1.00                   | 0.00                  |
| 2,300.00                              | 3.00            | 107.92      | 2,299.86              | -2.42        | 7.47         | -1.64                   | 1.00                    | 1.00                   | 0.00                  |
| 2,400.00                              | 4.00            | 107.92      | 2,399.68              | -4.29        | 13.28        | -2.91                   | 1.00                    | 1.00                   | 0.00                  |
| 2,500.00                              | 5.00            | 107.92      | 2,499.37              | -6.71        | 20.75        | -4.54                   | 1.00                    | 1.00                   | 0.00                  |
| 2,600.00                              | 6.00            | 107.92      | 2,598.90              | -9.66        | 29.86        | -6.54                   | 1.00                    | 1.00                   | 0.00                  |
| 2,700.00                              | 7.00            | 107.92      | 2,698.26              | -13.14       | 40.64        | -8.90                   | 1.00                    | 1.00                   | 0.00                  |
| 2,800.00                              | 8.00            | 107.92      | 2,797.40              | -17.16       | 53.05        | -11.62                  | 1.00                    | 1.00                   | 0.00                  |
| 2,900.00                              | 9.00            | 107.92      | 2,896.30              | -21.71       | 67.12        | -14.70                  | 1.00                    | 1.00                   | 0.00                  |
| 3,000.00                              | 10.00           | 107.92      | 2,994.93              | -26.78       | 82.82        | -18.14                  | 1.00                    | 1.00                   | 0.00                  |
| <b>Hold 10.00° Inc at 107.92° Azm</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,100.00                              | 10.00           | 107.92      | 3,093.41              | -32.13       | 99.34        | -21.76                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00                              | 10.00           | 107.92      | 3,191.89              | -37.47       | 115.87       | -25.38                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00                              | 10.00           | 107.92      | 3,290.37              | -42.81       | 132.39       | -29.00                  | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00                              | 10.00           | 107.92      | 3,388.85              | -48.16       | 148.91       | -32.62                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00                              | 10.00           | 107.92      | 3,487.33              | -53.50       | 165.43       | -36.24                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00                              | 10.00           | 107.92      | 3,585.82              | -58.84       | 181.96       | -39.86                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00                              | 10.00           | 107.92      | 3,684.30              | -64.18       | 198.48       | -43.48                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00                              | 10.00           | 107.92      | 3,782.78              | -69.53       | 215.00       | -47.10                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00                              | 10.00           | 107.92      | 3,881.26              | -74.87       | 231.52       | -50.72                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00                              | 10.00           | 107.92      | 3,979.74              | -80.21       | 248.05       | -54.34                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00                              | 10.00           | 107.92      | 4,078.22              | -85.56       | 264.57       | -57.96                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00                              | 10.00           | 107.92      | 4,176.70              | -90.90       | 281.09       | -61.58                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00                              | 10.00           | 107.92      | 4,275.18              | -96.24       | 297.61       | -65.20                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00                              | 10.00           | 107.92      | 4,373.66              | -101.59      | 314.14       | -68.81                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00                              | 10.00           | 107.92      | 4,472.14              | -106.93      | 330.66       | -72.43                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00                              | 10.00           | 107.92      | 4,570.62              | -112.27      | 347.18       | -76.05                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00                              | 10.00           | 107.92      | 4,669.10              | -117.62      | 363.70       | -79.67                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00                              | 10.00           | 107.92      | 4,767.58              | -122.96      | 380.22       | -83.29                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00                              | 10.00           | 107.92      | 4,866.07              | -128.30      | 396.75       | -86.91                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00                              | 10.00           | 107.92      | 4,964.55              | -133.64      | 413.27       | -90.53                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00                              | 10.00           | 107.92      | 5,063.03              | -138.99      | 429.79       | -94.15                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00                              | 10.00           | 107.92      | 5,161.51              | -144.33      | 446.31       | -97.77                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00                              | 10.00           | 107.92      | 5,259.99              | -149.67      | 462.84       | -101.39                 | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00                              | 10.00           | 107.92      | 5,358.47              | -155.02      | 479.36       | -105.01                 | 0.00                    | 0.00                   | 0.00                  |
| 5,497.92                              | 10.00           | 107.92      | 5,454.90              | -160.25      | 495.54       | -108.55                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Lamar</b>                          |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,500.00                              | 10.00           | 107.92      | 5,456.95              | -160.36      | 495.88       | -108.63                 | 0.00                    | 0.00                   | 0.00                  |
| 5,523.30                              | 10.00           | 107.92      | 5,479.90              | -161.61      | 499.73       | -109.47                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Bell Canyon</b>                    |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,600.00                              | 10.00           | 107.92      | 5,555.43              | -165.70      | 512.40       | -112.25                 | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00                              | 10.00           | 107.92      | 5,653.91              | -171.05      | 528.93       | -115.87                 | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00                              | 10.00           | 107.92      | 5,752.39              | -176.39      | 545.45       | -119.49                 | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00                              | 10.00           | 107.92      | 5,850.87              | -181.73      | 561.97       | -123.11                 | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00                              | 10.00           | 107.92      | 5,949.35              | -187.08      | 578.49       | -126.73                 | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00                              | 10.00           | 107.92      | 6,047.83              | -192.42      | 595.02       | -130.34                 | 0.00                    | 0.00                   | 0.00                  |



## Planning Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | USA Compass                            | <b>Local Co-ordinate Reference:</b> | Well 306H                   |
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>TVD Reference:</b>               | RKB @ 3489.90usft (H&P 313) |
| <b>Project:</b>  | Lea County, NM (NAD83 - UTM Zone 13)   | <b>MD Reference:</b>                | RKB @ 3489.90usft (H&P 313) |
| <b>Site:</b>     | Sheba Federal Com                      | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | 306H                                   | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | OH                                     |                                     |                             |
| <b>Design:</b>   | Plan 1 11-10-21                        |                                     |                             |

| 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) |
| 6,200.00                     | 10.00           | 107.92      | 6,146.32              | -197.76      | 611.54       | -133.96                 | 0.00                    | 0.00                   | 0.00                  |
| 6,300.00                     | 10.00           | 107.92      | 6,244.80              | -203.10      | 628.06       | -137.58                 | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00                     | 10.00           | 107.92      | 6,343.28              | -208.45      | 644.58       | -141.20                 | 0.00                    | 0.00                   | 0.00                  |
| 6,479.84                     | 10.00           | 107.92      | 6,421.90              | -212.71      | 657.77       | -144.09                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Cherry Canyon</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,500.00                     | 10.00           | 107.92      | 6,441.76              | -213.79      | 661.10       | -144.82                 | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00                     | 10.00           | 107.92      | 6,540.24              | -219.13      | 677.63       | -148.44                 | 0.00                    | 0.00                   | 0.00                  |
| 6,659.99                     | 10.00           | 107.92      | 6,599.32              | -222.34      | 687.54       | -150.61                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Begin 1.00°/100' Drop</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,700.00                     | 9.60            | 107.92      | 6,638.74              | -224.43      | 694.02       | -152.03                 | 1.00                    | -1.00                  | 0.00                  |
| 6,723.48                     | 9.37            | 107.92      | 6,661.90              | -225.62      | 697.70       | -152.84                 | 1.00                    | -1.00                  | 0.00                  |
| <b>Manzanita Lime</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,800.00                     | 8.60            | 107.92      | 6,737.48              | -229.30      | 709.07       | -155.33                 | 1.00                    | -1.00                  | 0.00                  |
| 6,900.00                     | 7.60            | 107.92      | 6,836.48              | -233.64      | 722.47       | -158.27                 | 1.00                    | -1.00                  | 0.00                  |
| 7,000.00                     | 6.60            | 107.92      | 6,935.72              | -237.44      | 734.23       | -160.84                 | 1.00                    | -1.00                  | 0.00                  |
| 7,100.00                     | 5.60            | 107.92      | 7,035.15              | -240.71      | 744.34       | -163.06                 | 1.00                    | -1.00                  | 0.00                  |
| 7,200.00                     | 4.60            | 107.92      | 7,134.75              | -243.44      | 752.80       | -164.91                 | 1.00                    | -1.00                  | 0.00                  |
| 7,300.00                     | 3.60            | 107.92      | 7,234.49              | -245.64      | 759.60       | -166.40                 | 1.00                    | -1.00                  | 0.00                  |
| 7,400.00                     | 2.60            | 107.92      | 7,334.35              | -247.31      | 764.75       | -167.53                 | 1.00                    | -1.00                  | 0.00                  |
| 7,500.00                     | 1.60            | 107.92      | 7,434.28              | -248.44      | 768.24       | -168.29                 | 1.00                    | -1.00                  | 0.00                  |
| 7,600.00                     | 0.60            | 107.92      | 7,534.26              | -249.03      | 770.06       | -168.69                 | 1.00                    | -1.00                  | 0.00                  |
| 7,659.99                     | 0.00            | 0.00        | 7,594.25              | -249.12      | 770.36       | -168.76                 | 1.00                    | -1.00                  | 0.00                  |
| <b>Begin Vertical Hold</b>   |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,700.00                     | 0.00            | 0.00        | 7,634.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00                     | 0.00            | 0.00        | 7,734.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00                     | 0.00            | 0.00        | 7,834.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 7,960.64                     | 0.00            | 0.00        | 7,894.90              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Brushy Canyon</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,000.00                     | 0.00            | 0.00        | 7,934.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00                     | 0.00            | 0.00        | 8,034.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00                     | 0.00            | 0.00        | 8,134.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00                     | 0.00            | 0.00        | 8,234.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00                     | 0.00            | 0.00        | 8,334.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00                     | 0.00            | 0.00        | 8,434.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00                     | 0.00            | 0.00        | 8,534.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00                     | 0.00            | 0.00        | 8,634.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00                     | 0.00            | 0.00        | 8,734.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00                     | 0.00            | 0.00        | 8,834.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00                     | 0.00            | 0.00        | 8,934.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00                     | 0.00            | 0.00        | 9,034.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00                     | 0.00            | 0.00        | 9,134.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00                     | 0.00            | 0.00        | 9,234.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,400.00                     | 0.00            | 0.00        | 9,334.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,417.64                     | 0.00            | 0.00        | 9,351.90              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Bone Spring Lime</b>      |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,443.64                     | 0.00            | 0.00        | 9,377.90              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Avalon</b>                |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,500.00                     | 0.00            | 0.00        | 9,434.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00                     | 0.00            | 0.00        | 9,534.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,700.00                     | 0.00            | 0.00        | 9,634.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,800.00                     | 0.00            | 0.00        | 9,734.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 9,900.00                     | 0.00            | 0.00        | 9,834.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| 10,000.00                    | 0.00            | 0.00        | 9,934.26              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |



## Planning Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | USA Compass                            | <b>Local Co-ordinate Reference:</b> | Well 306H                   |
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>TVD Reference:</b>               | RKB @ 3489.90usft (H&P 313) |
| <b>Project:</b>  | Lea County, NM (NAD83 - UTM Zone 13)   | <b>MD Reference:</b>                | RKB @ 3489.90usft (H&P 313) |
| <b>Site:</b>     | Sheba Federal Com                      | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | 306H                                   | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | OH                                     |                                     |                             |
| <b>Design:</b>   | Plan 1 11-10-21                        |                                     |                             |

| 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) |
| 10,006.78                               | 0.00            | 0.00        | 9,941.04              | -249.12      | 770.36       | -168.76                 | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP2, Begin 10.00°/100' Build</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,100.00                               | 9.32            | 0.00        | 10,033.85             | -241.56      | 770.36       | -161.23                 | 10.00                   | 10.00                  | 0.00                  |
| 10,200.00                               | 19.32           | 0.00        | 10,130.62             | -216.85      | 770.36       | -136.65                 | 10.00                   | 10.00                  | 0.00                  |
| 10,300.00                               | 29.32           | 0.00        | 10,221.63             | -175.72      | 770.37       | -95.74                  | 10.00                   | 10.00                  | 0.00                  |
| 10,400.00                               | 39.32           | 0.00        | 10,304.11             | -119.40      | 770.37       | -39.72                  | 10.00                   | 10.00                  | 0.00                  |
| 10,447.97                               | 44.12           | 0.00        | 10,339.90             | -87.49       | 770.38       | -7.98                   | 10.00                   | 10.00                  | 0.00                  |
| <b>FBSG Sand</b>                        |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,500.00                               | 49.32           | 0.00        | 10,375.56             | -49.62       | 770.38       | 29.69                   | 10.00                   | 10.00                  | 0.00                  |
| 10,600.00                               | 59.32           | 0.00        | 10,433.81             | 31.50        | 770.39       | 110.39                  | 10.00                   | 10.00                  | 0.00                  |
| 10,700.00                               | 69.32           | 0.00        | 10,477.09             | 121.51       | 770.39       | 199.93                  | 10.00                   | 10.00                  | 0.00                  |
| 10,800.00                               | 79.32           | 0.00        | 10,504.08             | 217.67       | 770.40       | 295.58                  | 10.00                   | 10.00                  | 0.00                  |
| 10,900.00                               | 89.32           | 0.00        | 10,513.96             | 317.05       | 770.41       | 394.44                  | 10.00                   | 10.00                  | 0.00                  |
| 10,906.78                               | 90.00           | 0.00        | 10,514.00             | 323.83       | 770.41       | 401.18                  | 10.00                   | 10.00                  | 0.00                  |
| <b>LP, Hold 90.00° Inc at 0.00° Azm</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,000.00                               | 90.00           | 0.00        | 10,514.00             | 417.05       | 770.42       | 493.91                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.00                               | 90.00           | 0.00        | 10,514.00             | 517.05       | 770.43       | 593.38                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.00                               | 90.00           | 0.00        | 10,514.00             | 617.05       | 770.44       | 692.85                  | 0.00                    | 0.00                   | 0.00                  |
| 11,300.00                               | 90.00           | 0.00        | 10,514.00             | 717.05       | 770.45       | 792.33                  | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00                               | 90.00           | 0.00        | 10,514.00             | 817.05       | 770.45       | 891.80                  | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00                               | 90.00           | 0.00        | 10,514.00             | 917.05       | 770.46       | 991.27                  | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00                               | 90.00           | 0.00        | 10,514.00             | 1,017.05     | 770.47       | 1,090.75                | 0.00                    | 0.00                   | 0.00                  |
| 11,700.00                               | 90.00           | 0.00        | 10,514.00             | 1,117.05     | 770.48       | 1,190.22                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00                               | 90.00           | 0.00        | 10,514.00             | 1,217.05     | 770.49       | 1,289.69                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00                               | 90.00           | 0.00        | 10,514.00             | 1,317.05     | 770.50       | 1,389.17                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00                               | 90.00           | 0.00        | 10,514.00             | 1,417.05     | 770.51       | 1,488.64                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00                               | 90.00           | 0.00        | 10,514.00             | 1,517.05     | 770.51       | 1,588.11                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00                               | 90.00           | 0.00        | 10,514.00             | 1,617.05     | 770.52       | 1,687.58                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00                               | 90.00           | 0.00        | 10,514.00             | 1,717.05     | 770.53       | 1,787.06                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00                               | 90.00           | 0.00        | 10,514.00             | 1,817.05     | 770.54       | 1,886.53                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00                               | 90.00           | 0.00        | 10,514.00             | 1,917.05     | 770.55       | 1,986.00                | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00                               | 90.00           | 0.00        | 10,514.00             | 2,017.05     | 770.56       | 2,085.48                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00                               | 90.00           | 0.00        | 10,514.00             | 2,117.05     | 770.57       | 2,184.95                | 0.00                    | 0.00                   | 0.00                  |
| 12,800.00                               | 90.00           | 0.00        | 10,514.00             | 2,217.05     | 770.58       | 2,284.42                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00                               | 90.00           | 0.00        | 10,514.00             | 2,317.05     | 770.58       | 2,383.90                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00                               | 90.00           | 0.00        | 10,514.00             | 2,417.05     | 770.59       | 2,483.37                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00                               | 90.00           | 0.00        | 10,514.00             | 2,517.05     | 770.60       | 2,582.84                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00                               | 90.00           | 0.00        | 10,514.00             | 2,617.05     | 770.61       | 2,682.31                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00                               | 90.00           | 0.00        | 10,514.00             | 2,717.05     | 770.62       | 2,781.79                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00                               | 90.00           | 0.00        | 10,514.00             | 2,817.05     | 770.63       | 2,881.26                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00                               | 90.00           | 0.00        | 10,514.00             | 2,917.05     | 770.64       | 2,980.73                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00                               | 90.00           | 0.00        | 10,514.00             | 3,017.05     | 770.64       | 3,080.21                | 0.00                    | 0.00                   | 0.00                  |
| 13,700.00                               | 90.00           | 0.00        | 10,514.00             | 3,117.05     | 770.65       | 3,179.68                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00                               | 90.00           | 0.00        | 10,514.00             | 3,217.05     | 770.66       | 3,279.15                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00                               | 90.00           | 0.00        | 10,514.00             | 3,317.05     | 770.67       | 3,378.63                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00                               | 90.00           | 0.00        | 10,514.00             | 3,417.05     | 770.68       | 3,478.10                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00                               | 90.00           | 0.00        | 10,514.00             | 3,517.05     | 770.69       | 3,577.57                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00                               | 90.00           | 0.00        | 10,514.00             | 3,617.05     | 770.70       | 3,677.04                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00                               | 90.00           | 0.00        | 10,514.00             | 3,717.05     | 770.71       | 3,776.52                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00                               | 90.00           | 0.00        | 10,514.00             | 3,817.05     | 770.71       | 3,875.99                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00                               | 90.00           | 0.00        | 10,514.00             | 3,917.05     | 770.72       | 3,975.46                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00                               | 90.00           | 0.00        | 10,514.00             | 4,017.05     | 770.73       | 4,074.94                | 0.00                    | 0.00                   | 0.00                  |
| 14,700.00                               | 90.00           | 0.00        | 10,514.00             | 4,117.05     | 770.74       | 4,174.41                | 0.00                    | 0.00                   | 0.00                  |



## Planning Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | USA Compass                            | <b>Local Co-ordinate Reference:</b> | Well 306H                   |
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>TVD Reference:</b>               | RKB @ 3489.90usft (H&P 313) |
| <b>Project:</b>  | Lea County, NM (NAD83 - UTM Zone 13)   | <b>MD Reference:</b>                | RKB @ 3489.90usft (H&P 313) |
| <b>Site:</b>     | Sheba Federal Com                      | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | 306H                                   | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | OH                                     |                                     |                             |
| <b>Design:</b>   | Plan 1 11-10-21                        |                                     |                             |

| 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) |
| 14,800.00             | 90.00           | 0.00        | 10,514.00             | 4,217.05     | 770.75       | 4,273.88                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00             | 90.00           | 0.00        | 10,514.00             | 4,317.05     | 770.76       | 4,373.36                | 0.00                    | 0.00                   | 0.00                  |
| 15,000.00             | 90.00           | 0.00        | 10,514.00             | 4,417.05     | 770.77       | 4,472.83                | 0.00                    | 0.00                   | 0.00                  |
| 15,100.00             | 90.00           | 0.00        | 10,514.00             | 4,517.05     | 770.77       | 4,572.30                | 0.00                    | 0.00                   | 0.00                  |
| 15,200.00             | 90.00           | 0.00        | 10,514.00             | 4,617.05     | 770.78       | 4,671.77                | 0.00                    | 0.00                   | 0.00                  |
| 15,300.00             | 90.00           | 0.00        | 10,514.00             | 4,717.05     | 770.79       | 4,771.25                | 0.00                    | 0.00                   | 0.00                  |
| 15,400.00             | 90.00           | 0.00        | 10,514.00             | 4,817.05     | 770.80       | 4,870.72                | 0.00                    | 0.00                   | 0.00                  |
| 15,500.00             | 90.00           | 0.00        | 10,514.00             | 4,917.05     | 770.81       | 4,970.19                | 0.00                    | 0.00                   | 0.00                  |
| 15,600.00             | 90.00           | 0.00        | 10,514.00             | 5,017.05     | 770.82       | 5,069.67                | 0.00                    | 0.00                   | 0.00                  |
| 15,700.00             | 90.00           | 0.00        | 10,514.00             | 5,117.05     | 770.83       | 5,169.14                | 0.00                    | 0.00                   | 0.00                  |
| 15,800.00             | 90.00           | 0.00        | 10,514.00             | 5,217.05     | 770.84       | 5,268.61                | 0.00                    | 0.00                   | 0.00                  |
| 15,900.00             | 90.00           | 0.00        | 10,514.00             | 5,317.05     | 770.84       | 5,368.09                | 0.00                    | 0.00                   | 0.00                  |
| 16,000.00             | 90.00           | 0.00        | 10,514.00             | 5,417.05     | 770.85       | 5,467.56                | 0.00                    | 0.00                   | 0.00                  |
| 16,100.00             | 90.00           | 0.00        | 10,514.00             | 5,517.05     | 770.86       | 5,567.03                | 0.00                    | 0.00                   | 0.00                  |
| 16,200.00             | 90.00           | 0.00        | 10,514.00             | 5,617.05     | 770.87       | 5,666.50                | 0.00                    | 0.00                   | 0.00                  |
| 16,300.00             | 90.00           | 0.00        | 10,514.00             | 5,717.05     | 770.88       | 5,765.98                | 0.00                    | 0.00                   | 0.00                  |
| 16,400.00             | 90.00           | 0.00        | 10,514.00             | 5,817.05     | 770.89       | 5,865.45                | 0.00                    | 0.00                   | 0.00                  |
| 16,500.00             | 90.00           | 0.00        | 10,514.00             | 5,917.05     | 770.90       | 5,964.92                | 0.00                    | 0.00                   | 0.00                  |
| 16,600.00             | 90.00           | 0.00        | 10,514.00             | 6,017.05     | 770.90       | 6,064.40                | 0.00                    | 0.00                   | 0.00                  |
| 16,700.00             | 90.00           | 0.00        | 10,514.00             | 6,117.05     | 770.91       | 6,163.87                | 0.00                    | 0.00                   | 0.00                  |
| 16,800.00             | 90.00           | 0.00        | 10,514.00             | 6,217.05     | 770.92       | 6,263.34                | 0.00                    | 0.00                   | 0.00                  |
| 16,900.00             | 90.00           | 0.00        | 10,514.00             | 6,317.05     | 770.93       | 6,362.82                | 0.00                    | 0.00                   | 0.00                  |
| 17,000.00             | 90.00           | 0.00        | 10,514.00             | 6,417.05     | 770.94       | 6,462.29                | 0.00                    | 0.00                   | 0.00                  |
| 17,100.00             | 90.00           | 0.00        | 10,514.00             | 6,517.05     | 770.95       | 6,561.76                | 0.00                    | 0.00                   | 0.00                  |
| 17,200.00             | 90.00           | 0.00        | 10,514.00             | 6,617.05     | 770.96       | 6,661.23                | 0.00                    | 0.00                   | 0.00                  |
| 17,300.00             | 90.00           | 0.00        | 10,514.00             | 6,717.05     | 770.97       | 6,760.71                | 0.00                    | 0.00                   | 0.00                  |
| 17,400.00             | 90.00           | 0.00        | 10,514.00             | 6,817.05     | 770.97       | 6,860.18                | 0.00                    | 0.00                   | 0.00                  |
| 17,500.00             | 90.00           | 0.00        | 10,514.00             | 6,917.05     | 770.98       | 6,959.65                | 0.00                    | 0.00                   | 0.00                  |
| 17,600.00             | 90.00           | 0.00        | 10,514.00             | 7,017.05     | 770.99       | 7,059.13                | 0.00                    | 0.00                   | 0.00                  |
| 17,700.00             | 90.00           | 0.00        | 10,514.00             | 7,117.05     | 771.00       | 7,158.60                | 0.00                    | 0.00                   | 0.00                  |
| 17,800.00             | 90.00           | 0.00        | 10,514.00             | 7,217.05     | 771.01       | 7,258.07                | 0.00                    | 0.00                   | 0.00                  |
| 17,900.00             | 90.00           | 0.00        | 10,514.00             | 7,317.05     | 771.02       | 7,357.55                | 0.00                    | 0.00                   | 0.00                  |
| 18,000.00             | 90.00           | 0.00        | 10,514.00             | 7,417.05     | 771.03       | 7,457.02                | 0.00                    | 0.00                   | 0.00                  |
| 18,057.05             | 90.00           | 0.00        | 10,514.00             | 7,474.10     | 771.03       | 7,513.77                | 0.00                    | 0.00                   | 0.00                  |
| TD at 18057.05        |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets                                                                                  |               |              |            |              |              |                 |                |                     |                    |
|-------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|---------------------|--------------------|
| Target Name                                                                                     |               |              |            |              |              |                 |                |                     |                    |
| - hit/miss target                                                                               | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude            | Longitude          |
| - Shape                                                                                         |               |              |            |              |              |                 |                |                     |                    |
| BHL - Sheba Federal                                                                             | 0.00          | 0.00         | 10,514.00  | 7,474.10     | 771.03       | 11,695,404.29   | 2,119,570.66   | 2° 12' 36.015148 N  | 03° 27' 1.238552 W |
| - plan hits target center                                                                       |               |              |            |              |              |                 |                |                     |                    |
| - Rectangle (sides W0.00 H7,723.22 D20.00)                                                      |               |              |            |              |              |                 |                |                     |                    |
| FTP - Sheba Federal                                                                             | 0.00          | 0.00         | 10,514.00  | -249.12      | 770.36       | 11,687,682.92   | 2,119,681.10   | 32° 11' 19.592340 N | 03° 27' 1.248673 W |
| - plan misses target center by 237.48usft at 10449.65usft MD (10341.11 TVD, -86.32 N, 770.38 E) |               |              |            |              |              |                 |                |                     |                    |
| - Point                                                                                         |               |              |            |              |              |                 |                |                     |                    |



## Planning Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Database:</b> | USA Compass                            | <b>Local Co-ordinate Reference:</b> | Well 306H                   |
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>TVD Reference:</b>               | RKB @ 3489.90usft (H&P 313) |
| <b>Project:</b>  | Lea County, NM (NAD83 - UTM Zone 13)   | <b>MD Reference:</b>                | RKB @ 3489.90usft (H&P 313) |
| <b>Site:</b>     | Sheba Federal Com                      | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | 306H                                   | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | OH                                     |                                     |                             |
| <b>Design:</b>   | Plan 1 11-10-21                        |                                     |                             |

| Formations            |                       |                  |           |         |                   |  |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name             | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,079.90              | 1,079.90              | Rustler          |           | 0.00    | 5.89              |  |
| 1,334.90              | 1,334.90              | Salado           |           | 0.00    | 5.89              |  |
| 5,497.92              | 5,454.90              | Lamar            |           | 0.00    | 5.89              |  |
| 5,523.30              | 5,479.90              | Bell Canyon      |           | 0.00    | 5.89              |  |
| 6,479.84              | 6,421.90              | Cherry Canyon    |           | 0.00    | 5.89              |  |
| 6,723.48              | 6,661.90              | Manzanita Lime   |           | 0.00    | 5.89              |  |
| 7,960.64              | 7,894.90              | Brushy Canyon    |           | 0.00    | 5.89              |  |
| 9,417.64              | 9,351.90              | Bone Spring Lime |           | 0.00    | 5.89              |  |
| 9,443.64              | 9,377.90              | Avalon           |           | 0.00    | 5.89              |  |
| 10,447.97             | 10,339.90             | FBSG Sand        |           | 0.00    | 5.89              |  |

| Plan Annotations      |                       |                   |              |                                  |  |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                                  |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                          |  |
| 2,000.00              | 2,000.00              | 0.00              | 0.00         | KOP, Begin 1.00°/100' Build      |  |
| 3,000.00              | 2,994.93              | -26.78            | 82.82        | Hold 10.00° Inc at 107.92° Azm   |  |
| 6,659.99              | 6,599.32              | -222.34           | 687.54       | Begin 1.00°/100' Drop            |  |
| 7,659.99              | 7,594.25              | -249.12           | 770.36       | Begin Vertical Hold              |  |
| 10,006.78             | 9,941.04              | -249.12           | 770.36       | KOP2, Begin 10.00°/100' Build    |  |
| 10,906.78             | 10,514.00             | 323.83            | 770.41       | LP, Hold 90.00° Inc at 0.00° Azm |  |
| 18,057.05             | 10,514.00             | 7,474.10          | 771.03       | TD at 18057.05                   |  |

## Centennial Resource Development New Mexico Multi-Well Pad Drilling Batch Setting Procedures

13-3/8" Surface Casing - CRD intends to Batch set all 13-3/8" casing to a depth approved in the APD. 17-1/2" Surface Holes will be batch drilled by a big rig. Appropriate notifications will be made prior to spudding the well, running and cementing casing and prior to skidding to the rig to the next well on pad.

1. Drill 17-1/2" Surface hole to Approved Depth with Rig and perform wellbore cleanup cycles. Trip out and rack back drilling BHA.
2. Run and land 13-3/8" 54.5# J55 BTC casing [see Illustration 1-1 Below](#) to depth approved in APD.
3. Set packoff and test to 5k psi
4. Offline Cement
5. Install nightcap with Pressure Gauge on wellhead. Nightcap is shown on final wellhead Stack up [Illustration #2-2 page 3](#).
6. Skid Rig to adjacent well to drill Surface hole.
7. Surface casing test will be performed by the rig in order to allow ample time for Cement to develop 500psi compressive strength. Casing test to 0.22 psi/ft or 1500 psi whichever is greater - not to exceed 70% casing burst.

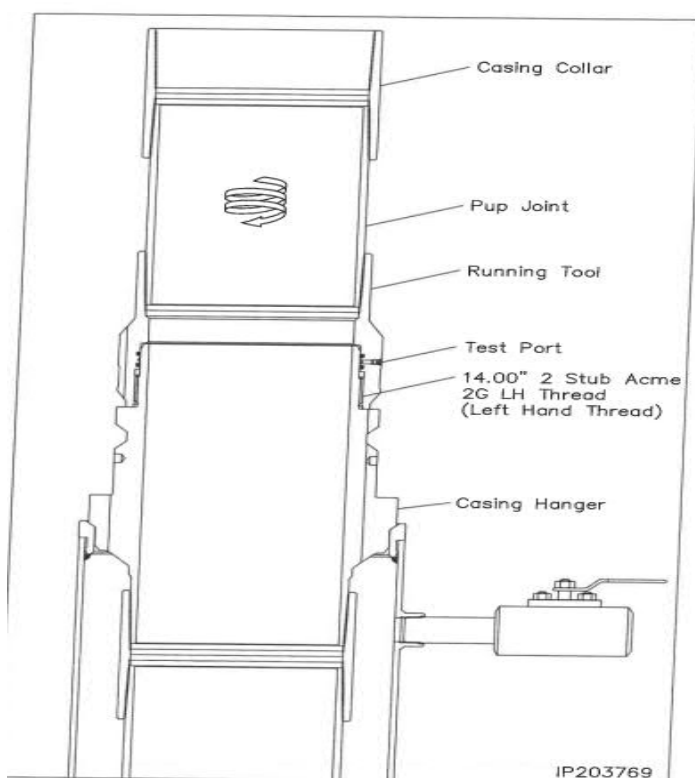


Illustration 1-1

Intermediate Casing – CRD intends to Batch set all intermediate casing strings to a depth approved in the APD, typically set into Lamar. For the last intermediate section drilled on pad, the associated production interval will immediately follow. Appropriate notifications will be made prior Testing BOPE, and prior to running/cementing all casing strings.

1. Rig will remove the nightcap and install and test BOPE.
2. Test Surface casing per COA WOC timing (.22 psi/ft or 1500 psi whichever is greater) - not to exceed 70% casing burst. Cement must have achieved 500psi compressive strength prior to test.
3. Install wear bushing then drill out 13-3/8" shoe-track plus 20' and conduct FIT to minimum of the MW equivalent anticipated to control the formation pressure to the next casing point.
4. Drill Intermediate hole to approved casing point. Trip out of hole with BHA to run Casing.
5. Remove wear bushing then run and land Intermediate Casing with mandrel hanger in wellhead.
6. Cement casing to surface with floats holding.
7. Washout stack then run wash tool in wellhead and wash hanger and pack-off setting area.
8. Install pack-off and test void to 5,000 psi for 15 minutes. Nightcap shown on final wellhead stack up [illustration 2-2 on page 3](#).
9. Test casing per COA WOC timing (.22 psi/ft or 1500 psi whichever is greater) - not to exceed 70% casing burst. Cement must have achieved 500psi compressive strength prior to test.
10. Install nightcap – skid rig to adjacent well to drill Intermediate hole.

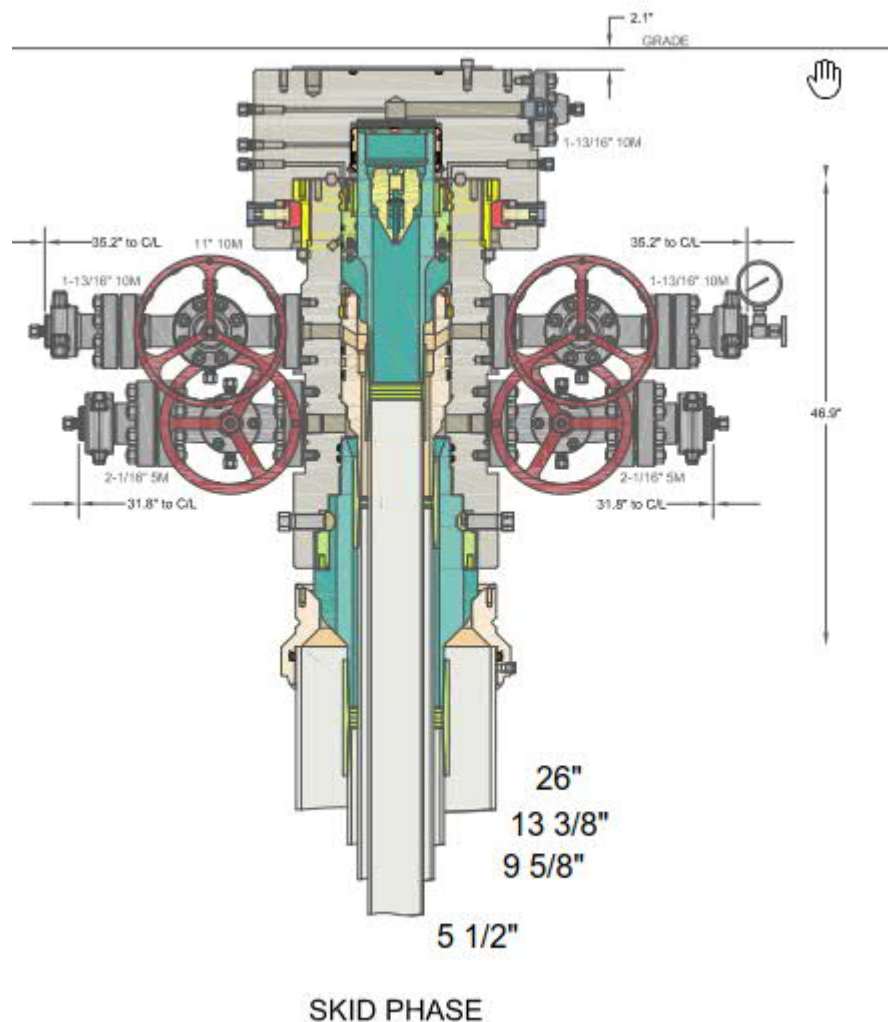


Illustration 2-2

Production Casing – CRD intends to Batch set all Production casings, except for the last intermediate hole. In this case the production interval will immediately follow the intermediate section on that well. Appropriate notifications will be made prior Testing BOPE, and prior to running/cementing all casing strings.

1. Big Rig will remove the nightcap and install and test BOPE.
2. Install wear bushing then drill Intermediate shoe-track plus 20' and conduct FIT to minimum MW equivalent to control the formation pressure to TD of well.
3. Drill Vertical hole to KOP – Trip out for Curve BHA.
4. Drill Curve, landing in production interval – Trip for Lateral BHA.
5. Drill Lateral / Production hole to Permitted BHL, perform cleanup cycles and trip out to run 5-1/2" Production Casing.
6. Remove wear bushing then run 5-1/2" production casing to TD landing casing mandrel in wellhead.
7. Cement 5-1/2" Production string to surface with floats holding.

8. Run in with wash tool and wash wellhead area – install pack-off and test void to 5,000psi for 15 minutes.
9. Install BPV in 5-1/2" mandrel hanger – Nipple down BOPE and install nightcap.
10. Test nightcap void to 5,000psi for 30 minutes per **illustration 2-2 page 3**.
11. Skid rig to adjacent well on pad to drill production hole.

## **Sheba Federal Com 306H**

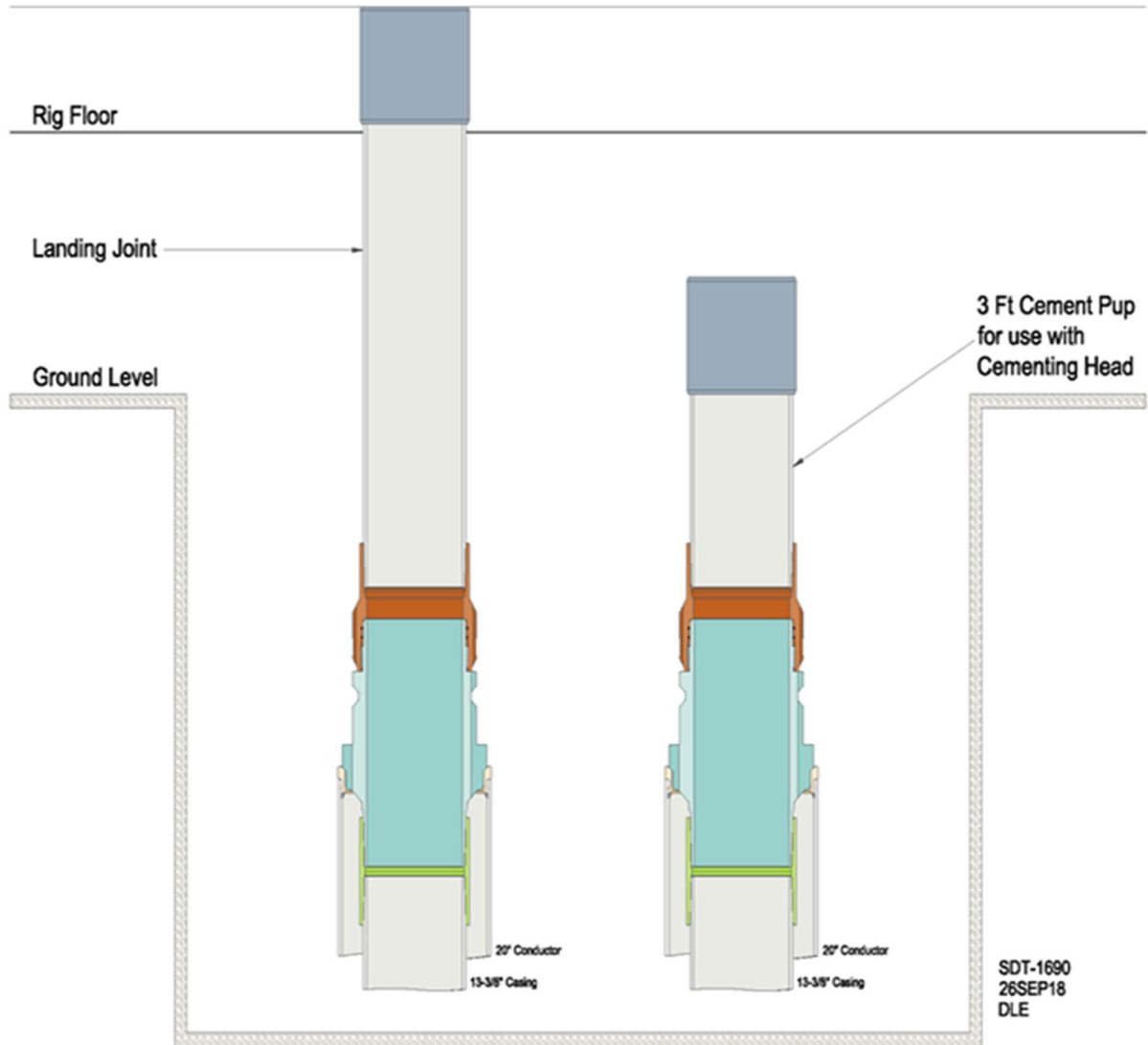
### **Centennial Offline Cementing Procedure**

#### **13-3/8" & 9-5/8" Casing**

1. Drill hole to Total Depth with Rig and perform wellbore cleanup cycles.
2. Run and casing to Depth.
3. Land casing with mandrel.
4. Circulate 1.5 csg capacity.
5. Flow test – Confirm well is static and floats are holding.
6. Set Annular packoff and pressure test. Test to 5k.
7. Nipple down BOP and install cap flange.
8. Skid rig to next well on pad
9. Remove cap flange (confirm well is static before removal)
  - a. If well is not static use the casing outlet valves to kill well
  - b. Drillers method will be used in well control event
  - c. High pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
  - d. Kill mud will be circulated once influx is circulated out of hole
  - e. Confirm well is static and remove cap flange to start offline cement operations
10. Install offline cement tool.
11. Rig up cementers.
12. Circulate bottoms up with cement truck
13. Commence planned cement job, take returns through the annulus wellhead valve
14. After plug is bumped confirm floats hold and well is static
15. Rig down cementers and equipment
16. Install night cap with pressure gauge to monitor.
17. Will only offline surface and intermediate casing.

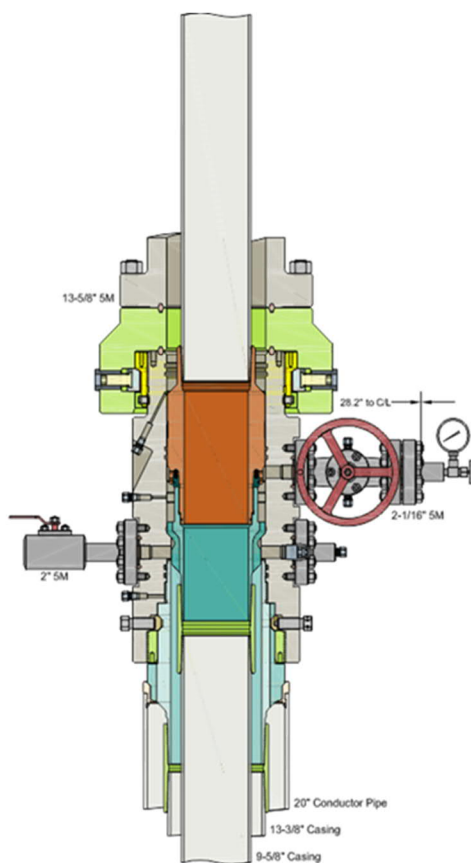
13 3/8" Surface job

## CFL Off-Line Cementing Tool

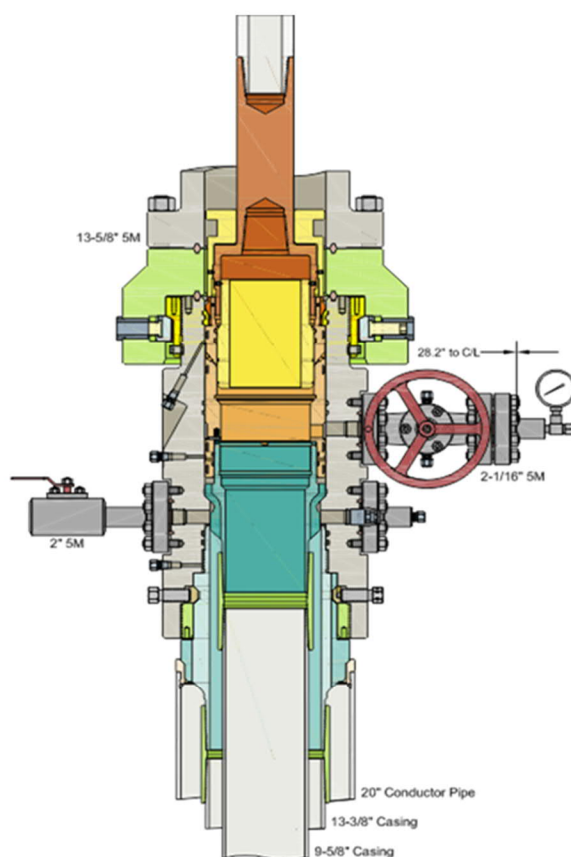




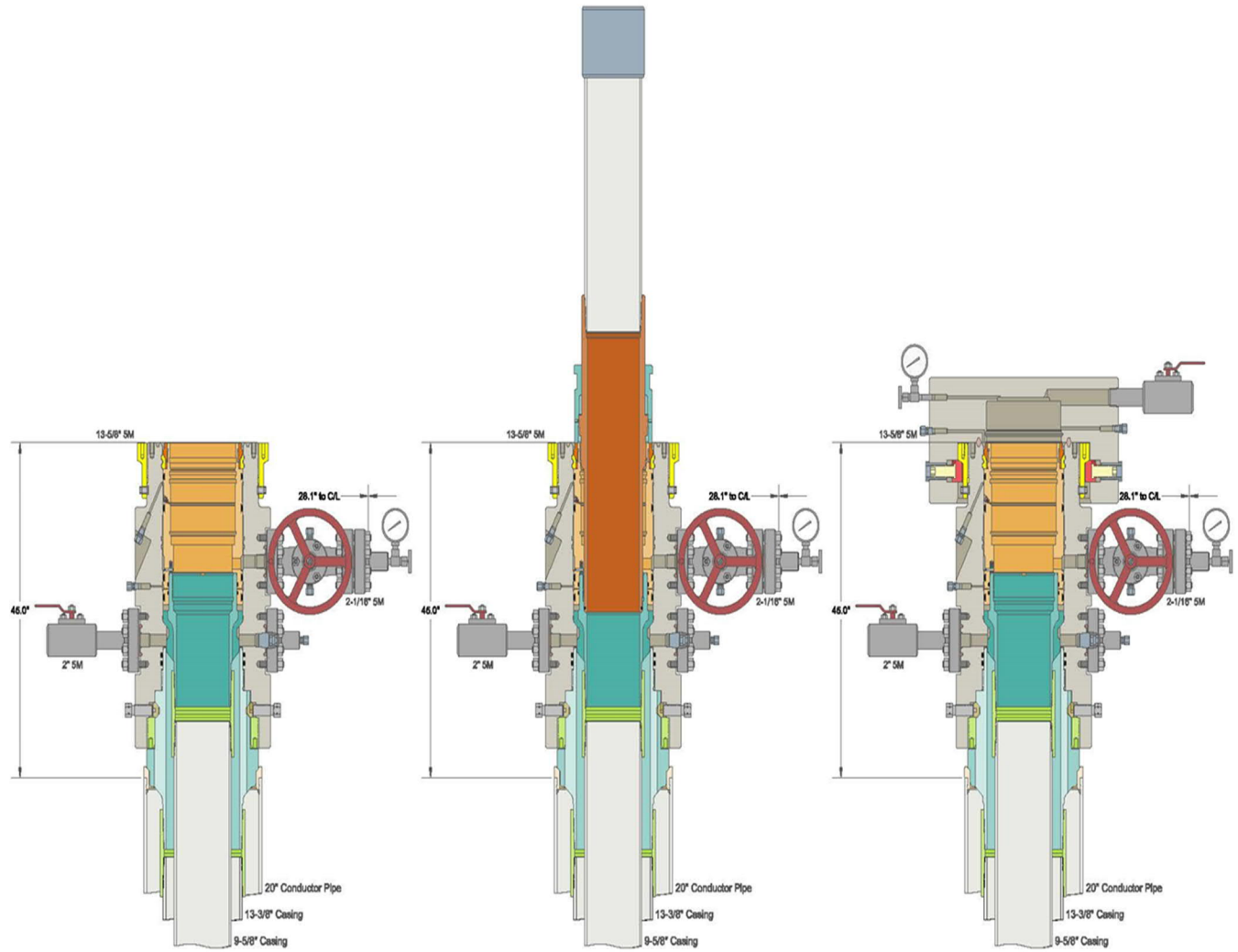
## 9 5/8" Intermediate Job



Run 9-5/8" Casing  
Land Casing on 9-5/8" Mandrel Hanger  
Cement 9-5/8" Casing  
Retrieve Running Tool



Run 13-5/8" Packoff  
Test Upper and Lower Seals  
Engage Lockring  
Retrieve Running Tool



**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 120805

CONDITIONS

|                                                                                                      |                                                      |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>CENTENNIAL RESOURCE PRODUCTION, LLC<br>1001 17th Street, Suite 1800<br>Denver, CO 80202 | OGRID:<br>372165                                     |
|                                                                                                      | Action Number:<br>120805                             |
|                                                                                                      | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

|            |                      |                |
|------------|----------------------|----------------|
| Created By | Condition            | Condition Date |
| pkautz     | PREVIOUS COA's APPLY | 7/29/2022      |