

Santa Fe Main Office  
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State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

Online Phone Directory Visit:  
<https://www.emnrd.nm.gov/ocd/contact-us/>

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)<br>1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> |  | WELL API NO.<br>30-015-55837                                                                        |
| 2. Name of Operator<br>Permian Resources Operating, LLC                                                                                                                                                                                                                                                                                         |  | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 3. Address of Operator<br>300 N. Marienfeld St Ste 100 Midland, Texas 79701                                                                                                                                                                                                                                                                     |  | 6. State Oil & Gas Lease No.                                                                        |
| 4. Well Location<br>Unit Letter P : 325' feet from the South line and 1234' feet from the East line<br>Section 6 Township 23S Range 26E NMPM County Eddy                                                                                                                                                                                        |  | 7. Lease Name or Unit Agreement Name<br>Ocotillo State Com                                          |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3411' GL                                                                                                                                                                                                                                                                                  |  | 8. Well Number 133H                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                 |  | 9. OGRID Number<br>372165                                                                           |
|                                                                                                                                                                                                                                                                                                                                                 |  | 10. Pool name or Wildcat<br>WC-015 G-04 S232628M; Bone Spring                                       |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO:                        | SUBSEQUENT REPORT OF:                            |
|------------------------------------------------|--------------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>           |
| TEMPORARILY ABANDON <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | COMMENCE DRILLING OPNS. <input type="checkbox"/> |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    | P AND A <input type="checkbox"/>                 |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    | CASING/CEMENT JOB <input type="checkbox"/>       |
| OTHER: <input type="checkbox"/>                | OTHER: <input type="checkbox"/>                  |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Permian Resources Operating, LLC requests permission to make the following changes to the original APD: FTP/LTP/BHL Change, Drilling Program,

Updated Surface Casing/Cement, Intermediate Casing/Cement, Production Casing/Cement Design is attached.

FTP: Revised  
Change From: 100'FSL & 1650'FEL, O-6-23S-26E  
Change To: 100'FSL & 330'FEL, P-6-22S-26E

LTP: Revised  
Change From: 100'FNL & 1650'FEL, B-31-22S-26E  
Change To: 100'FNL & 330'FEL, A-31-22S-26E

BHL: Revised  
Change From: 100'FNL & 1650'FEL, B-31-22S-26E  
Change To: 100'FNL & 330'FEL, A-31-22S-26E

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stephanie Rabadue TITLE Regulatory Manager DATE 07/31/2025

Type or print name Stephanie Rabadue E-mail address: stephanie.rabadue@permianres.com PHONE: 432-260-4388

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

|                                                                 |                                                                                                            |                      |                                                       |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------|
| <b>C-102</b><br><br>Submit Electronically<br>Via OCD Permitting | State of New Mexico<br>Energy, Minerals & Natural Resources Department<br><b>OIL CONSERVATION DIVISION</b> | Revised July 9, 2024 |                                                       |
|                                                                 |                                                                                                            | Submittal<br>Type:   | <input checked="" type="checkbox"/> Initial Submittal |
|                                                                 |                                                                                                            |                      | <input type="checkbox"/> Amended Report               |
|                                                                 |                                                                                                            |                      | <input type="checkbox"/> As Drilled                   |

## WELL LOCATION INFORMATION

|                                                                                                                                                        |                                                          |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br>30-015-55837                                                                                                                             | Pool Code<br>98056                                       | Pool Name<br>WC-015 G-04 S232628M; Bone Spring                                                                                                         |
| Property Code<br>336568                                                                                                                                | Property Name<br><b>OCOTILLO STATE COM</b>               | Well Number<br><b>133H</b>                                                                                                                             |
| OGRID No.<br><b>372165</b>                                                                                                                             | Operator Name<br><b>PERMIAN RESOURCES OPERATING, LLC</b> | Ground Level Elevation<br><b>3,411'</b>                                                                                                                |
| Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                                          | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

## Surface Location

|                |                     |                        |                     |     |                                 |                                   |                               |                                  |                       |
|----------------|---------------------|------------------------|---------------------|-----|---------------------------------|-----------------------------------|-------------------------------|----------------------------------|-----------------------|
| UL<br><b>P</b> | Section<br><b>6</b> | Township<br><b>23S</b> | Range<br><b>26E</b> | Lot | Ft. from N/S<br><b>325' FSL</b> | Ft. from E/W<br><b>1,234' FEL</b> | Latitude<br><b>32.327159°</b> | Longitude<br><b>-104.328355°</b> | County<br><b>EDDY</b> |
|----------------|---------------------|------------------------|---------------------|-----|---------------------------------|-----------------------------------|-------------------------------|----------------------------------|-----------------------|

## Bottom Hole Location

|                |                      |                        |                     |     |                                 |                                 |                               |                                  |                       |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|---------------------------------|-------------------------------|----------------------------------|-----------------------|
| UL<br><b>A</b> | Section<br><b>31</b> | Township<br><b>22S</b> | Range<br><b>26E</b> | Lot | Ft. from N/S<br><b>100' FNL</b> | Ft. from E/W<br><b>330' FEL</b> | Latitude<br><b>32.355658°</b> | Longitude<br><b>-104.324967°</b> | County<br><b>EDDY</b> |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|---------------------------------|-------------------------------|----------------------------------|-----------------------|

|                           |                                     |                   |                                                                                                               |                         |
|---------------------------|-------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------|-------------------------|
| Dedicated Acres<br>640.31 | Infill or Defining Well<br>Defining | Defining Well API | Overlapping Spacing Unit (Y/N)<br>N                                                                           | Consolidation Code<br>C |
| Order Numbers.            |                                     |                   | Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                         |

## Kick Off Point (KOP)

|                |                     |                        |                     |     |                                 |                                   |                               |                                  |                       |
|----------------|---------------------|------------------------|---------------------|-----|---------------------------------|-----------------------------------|-------------------------------|----------------------------------|-----------------------|
| UL<br><b>P</b> | Section<br><b>6</b> | Township<br><b>23S</b> | Range<br><b>26E</b> | Lot | Ft. from N/S<br><b>325' FSL</b> | Ft. from E/W<br><b>1,234' FEL</b> | Latitude<br><b>32.327159°</b> | Longitude<br><b>-104.328355°</b> | County<br><b>EDDY</b> |
|----------------|---------------------|------------------------|---------------------|-----|---------------------------------|-----------------------------------|-------------------------------|----------------------------------|-----------------------|

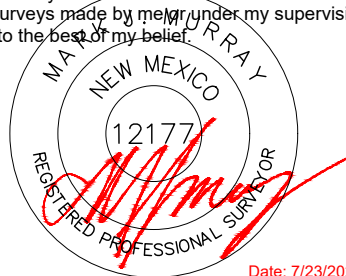
## First Take Point (FTP)

|                |                     |                        |                     |     |                                 |                                 |                               |                                  |                       |
|----------------|---------------------|------------------------|---------------------|-----|---------------------------------|---------------------------------|-------------------------------|----------------------------------|-----------------------|
| UL<br><b>P</b> | Section<br><b>6</b> | Township<br><b>23S</b> | Range<br><b>26E</b> | Lot | Ft. from N/S<br><b>100' FSL</b> | Ft. from E/W<br><b>330' FEL</b> | Latitude<br><b>32.326562°</b> | Longitude<br><b>-104.325473°</b> | County<br><b>EDDY</b> |
|----------------|---------------------|------------------------|---------------------|-----|---------------------------------|---------------------------------|-------------------------------|----------------------------------|-----------------------|

## Last Take Point (LTP)

|                |                      |                        |                     |     |                                 |                                 |                               |                                  |                       |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|---------------------------------|-------------------------------|----------------------------------|-----------------------|
| UL<br><b>A</b> | Section<br><b>31</b> | Township<br><b>22S</b> | Range<br><b>26E</b> | Lot | Ft. from N/S<br><b>100' FNL</b> | Ft. from E/W<br><b>330' FEL</b> | Latitude<br><b>32.355658°</b> | Longitude<br><b>-104.324967°</b> | County<br><b>EDDY</b> |
|----------------|----------------------|------------------------|---------------------|-----|---------------------------------|---------------------------------|-------------------------------|----------------------------------|-----------------------|

|                                           |                                                                                                    |                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------|
| Unitized Area or Area of Uniform Interest | Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation: 3437ft |
|-------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------|

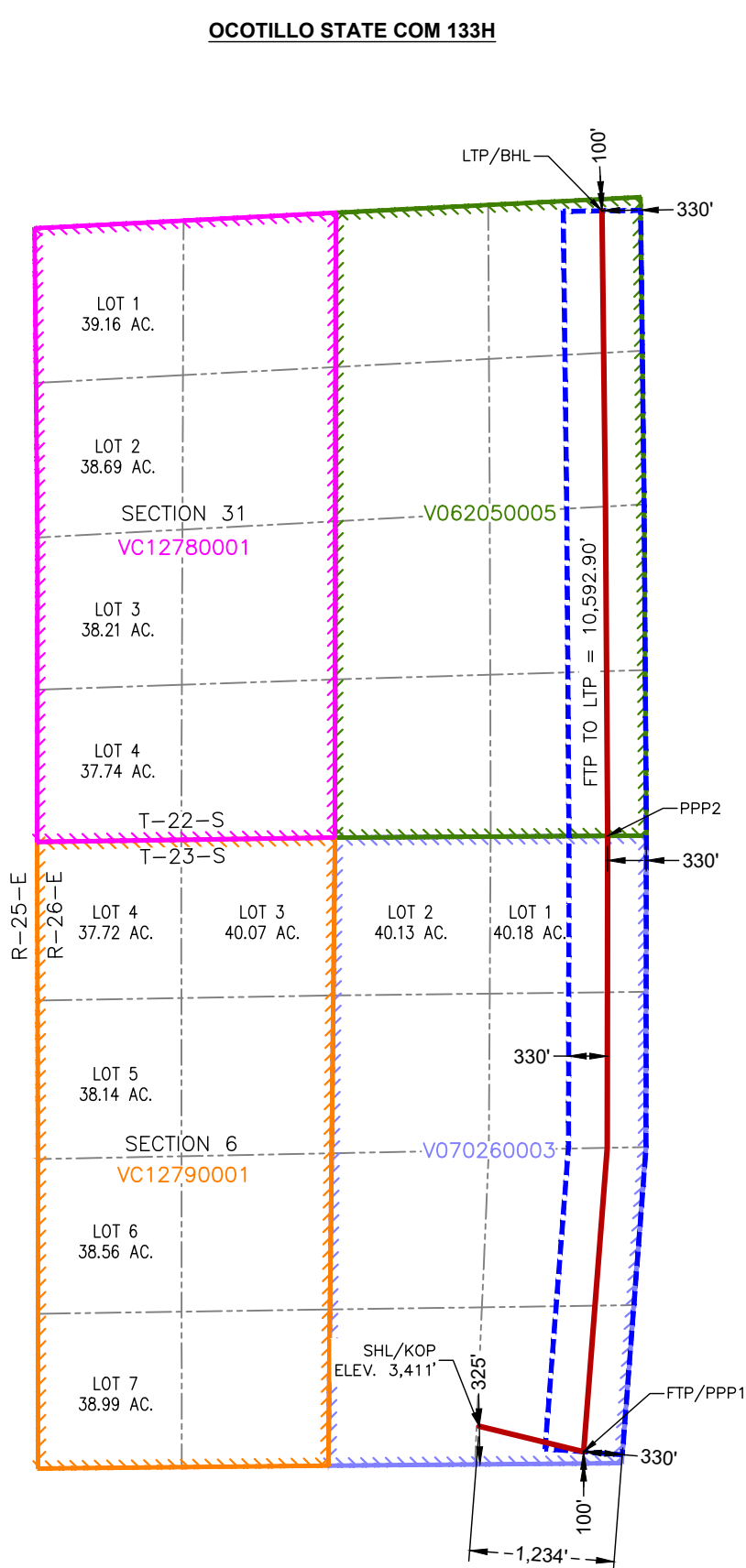
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                    |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>OPERATOR CERTIFICATIONS</b><br><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.<br><br>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.<br><br><i>Stephanie Rabadue</i> 07/31/2025 |  | <b>SURVEYOR CERTIFICATIONS</b><br><br>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.<br><br><br>Date: 7/23/2025 |                             |
| Signature<br>Stephanie Rabadue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Signature and Seal of Professional Surveyor                                                                                                                                                                                                                                                                                                                        |                             |
| Printed Name<br>stephanie.rabadue@permianres.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Certificate Number<br>12177                                                                                                                                                                                                                                                                                                                                        | Date of Survey<br>7/23/2025 |
| Email Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                    |                             |

Note: 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.

## ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

**OCOTILLO STATE COM 133H**

**SURFACE HOLE LOCATION  
& KICK-OFF POINT**  
325' FSL & 1,234' FEL  
ELEV. = 3,411'

NAD 83 X = 542,875.32'  
NAD 83 Y = 482,752.59'  
NAD 83 LAT = 32.327159°  
NAD 27 X = 501,693.95'  
NAD 27 Y = 482,694.26'  
NAD 27 LAT = 32.327042°  
NAD 27 LONG = -104.327849°

**FIRST TAKE POINT &  
PENETRATION POINT 1**  
100' FSL & 330' FEL

NAD 83 X = 543,765.58'  
NAD 83 Y = 482,535.46'  
NAD 83 LAT = 32.326562°  
NAD 83 LONG = -104.325473°  
NAD 27 X = 502,584.19'  
NAD 27 Y = 482,477.12'  
NAD 27 LAT = 32.326445°  
NAD 27 LONG = -104.324967°

**PENETRATION POINT 2**  
0' FNL & 330' FEL

NAD 83 X = 543,969.50'  
NAD 83 Y = 487,789.19'  
NAD 83 LAT = 32.341004°  
NAD 83 LONG = -104.324811°  
NAD 27 X = 502,788.23'  
NAD 27 Y = 487,730.69'  
NAD 27 LAT = 32.340887°  
NAD 27 LONG = -104.324305°

**LAST TAKE POINT &  
BOTTOM HOLE LOCATION**  
100' FNL & 330' FEL

NAD 83 X = 543,921.05'  
NAD 83 Y = 493,120.37'  
NAD 83 LAT = 32.355658°  
NAD 83 LONG = -104.324967°  
NAD 27 X = 502,739.90'  
NAD 27 Y = 493,061.72'  
NAD 27 LAT = 32.355542°  
NAD 27 LONG = -104.324460°

## Permian Resources - Ocotillo State Com 133H

## 1. Geologic Formations

| Formation       | Elevation | TVD  | Target |
|-----------------|-----------|------|--------|
| Rustler         | 3224      | 5    | No     |
| Top of Salt     | 2887      | 342  | No     |
| Capitan         | 2777      | 452  | No     |
| Lamar           | 1601      | 1628 | No     |
| Bell Canyon     | 1559      | 1670 | No     |
| Cherry Canyon   | 844       | 2385 | No     |
| Brushy Canyon   | -75       | 3304 | No     |
| Bone Spring     | -1673     | 4897 | No     |
| 1st Bone Spring | -2569     | 5798 | No     |
| 2nd Bone Spring | -2985     | 6214 | No     |
| 3rd Bone Spring | -3206     | 6435 | Yes    |

## 2. Blowout Prevention

| BOP installed<br>and tested before<br>drilling which<br>hole? | Size?   | Min.<br>Required<br>WP | Type       | x | Tested<br>to: |
|---------------------------------------------------------------|---------|------------------------|------------|---|---------------|
| 12.25                                                         | 13-5/8" | 5M                     | Annular    | x | 2500 psi      |
|                                                               |         |                        | Blind Ram  | x | 5000 psi      |
|                                                               |         |                        | Pipe Ram   | x |               |
|                                                               |         |                        | Double Ram |   |               |
|                                                               |         |                        | Other*     |   |               |
| 8.75                                                          | 13-5/8" | 5M                     | Annular    | x | 2500 psi      |
|                                                               |         |                        | Blind Ram  | x | 5000 psi      |
|                                                               |         |                        | Pipe Ram   | x |               |
|                                                               |         |                        | Double Ram |   |               |
|                                                               |         |                        | Other*     |   |               |

**Equipment:** BOPE will meet all requirements for above listed system per 43 CFR 3172. BOPE with working pressure ratings in excess of anticipated maximum surface pressure will be utilized for well control from drill out of surface casing to TMD. The system may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all of the components installed will be functional, tested, and will meet all requirements per 43 CFR 3172. The wellhead will be a multibowl speed head allowing for hangoff of intermediate casing of the surface x intermediate annulus without breaking the connection between the BOP & wellhead. A variance is requested to utilize a flexible choke line (flexhose) from the BOP to choke manifold.

**Requesting Variance?** YES

**Variance request:** Multibowl Wellhead, Flexhose, Breaktesting, Offline Cementing Variances. Attachments in Section 8.

**Testing Procedure:** Operator requests to ONLY test broken pressure seals per API Standard 53 and the attachments in Section 8. The BOP test shall be performed before drilling out of the surface casing shoe and will occur at a minimum: a. when initially installed, b. whenever any seal subject to test pressure is broken, c. following related repairs, d. at 21-day intervals. Testing of the ram type preventer(s) and annual type preventer(s) shall be tested per 43 CFR 3172. The BOPE configuration, choke manifold layout, and accumulator system will be in compliance with 43 CFR 3172. Bleed lines will discharge 100' from wellhead in non-H2S scenarios and 150' from wellhead in H2S scenarios.

Choke Diagram Attachemnt: 5M Choke Manifold

BOP Diagram Attachment: BOP Schematic

**3. Casing**

| String                | Hole Size | Casing Size | Top  | Bottom | Grade  | Weight | Connection    | Collapse SF | Burst SF | Joint SF Type | Joint SF | Body SF Type | Body SF |
|-----------------------|-----------|-------------|------|--------|--------|--------|---------------|-------------|----------|---------------|----------|--------------|---------|
| Surface               | 17.5      | 13.375      | 0    | 317    | J55    | 54.5   | BTC           | 7.22        | 53.04    | Dry           | 7.75     | Dry          | 7.27    |
| Intermediate          | 12.25     | 9.625       | 0    | 1728   | J55    | 36     | BTC           | 2.79        | 1.63     | Dry           | 4.40     | Dry          | 3.88    |
| Production            | 8.75      | 5.5         | 0    | 8955   | P110RY | 17     | Bushmaster SP | 2.40        | 2.50     | Dry           | 2.63     | Dry          | 2.63    |
| Production            | 8.5       | 5.5         | 8955 | 18967  | P110RY | 17     | Bushmaster SP | 2.40        | 2.50     | Dry           | 2.63     | Dry          | 2.63    |
| BLM Min Safety Factor |           |             |      |        |        |        |               | 1.125       | 1        |               | 1.6      |              | 1.6     |

Non API casing spec sheets and casing design assumptions attached.

**4. Cement**

| String                 | Lead/Tail | Top MD | Bottom MD | Quantity (sx) | Yield | Density | Cu Ft | Excess % | Cement Type | Additives                                       |
|------------------------|-----------|--------|-----------|---------------|-------|---------|-------|----------|-------------|-------------------------------------------------|
| Surface                | Lead      | 0      | 250       | 190           | 1.88  | 12.9    | 350   | 100%     | Class C     | EconoCem-HLC + 5% Salt + 5% Kol-Seal            |
| Surface                | Tail      | 250    | 317       | 60            | 1.34  | 14.8    | 70    | 50%      | Class C     | Accelerator                                     |
| Intermediate           | Lead      | 477    | 1380      | 230           | 1.88  | 12.9    | 430   | 50%      | Class C     | EconoCem-HLC + 5% Salt + 5% Kol-Seal            |
| Intermediate           | Tail      | 1380   | 1728      | 130           | 1.34  | 14.8    | 170   | 50%      | Class C     | Retarder                                        |
| Stage Tool Depth       |           | 477    |           |               |       |         |       |          |             |                                                 |
| Intermediate 2nd Stage | Lead      | 0      | 477       | 110           | 1.88  | 12.9    | 200   | 50%      | Class C     | EconoCem-HLC + 5% Salt + 5% Kol-Seal            |
| Production             | Lead      | 0      | 8033      | 1120          | 2.41  | 11.5    | 2690  | 40%      | Class H     | POZ, Extender, Fluid Loss, Dispersant, Retarder |
| Production             | Tail      | 8033   | 18967     | 1830          | 1.73  | 12.5    | 3160  | 25%      | Class H     | POZ, Extender, Fluid Loss, Dispersant, Retarder |
|                        |           |        |           |               |       |         |       |          |             |                                                 |

**5. Circulating Medium**

**Mud System Type:** Closed

**Will an air or gas system be used:** No

**Describe what will be on location to control well or mitigate other conditions:** Sufficient quantities of mud materials will be on the well site at all times for the purpose of assuring well control and maintaining wellbore integrity. Surface interval will employ fresh water mud. The intermediate hole will utilize a saturated brine fluid to inhibit salt washout. The production hole will employ brine based and oil base fluid to inhibit formation reactivity and of the appropriate density to maintain well control.

**Describe the mud monitoring system utilized:** Centrifuge separation system. Open tank monitoring with EDR will be used for drilling fluids and return volumes. Open tank monitoring will be used for cement and cuttings return volumes. Mud properties will be monitored at least every 24 hours using industry accepted mud check practices.

**Cuttings Volume:** 8650 Cu Ft

**Circulating Medium Table**

| Top Depth | Bottom Depth | Mud Type    | Min Weight | Max Weight |
|-----------|--------------|-------------|------------|------------|
| 0         | 317          | Spud Mud    | 8.6        | 9.5        |
| 317       | 1728         | Fresh Water | 8.6        | 10         |
| 1728      | 8955         | OBM         | 9          | 10.5       |
| 8955      | 18967        | OBM         | 9          | 10.5       |

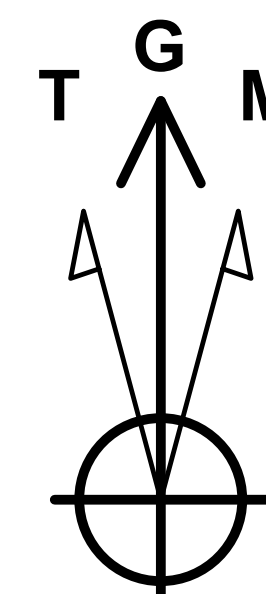
6. Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:  
Will utilize MWD/LWD from intermediate hole to TD of the well.  
List of open and cased hole logs run in the well:  
DIRECTIONAL SURVEY  
Coring operation description for the well:  
N/A

7. Pressure

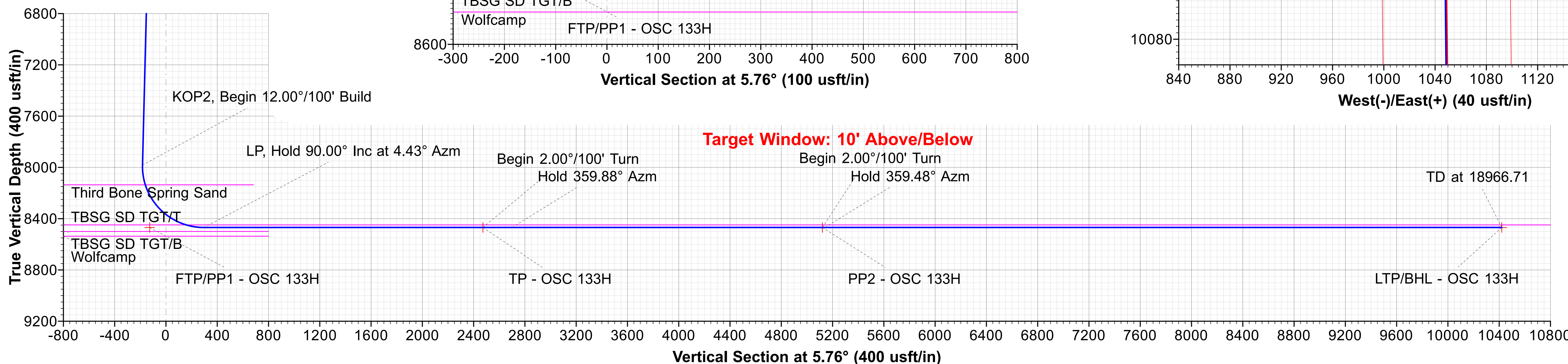
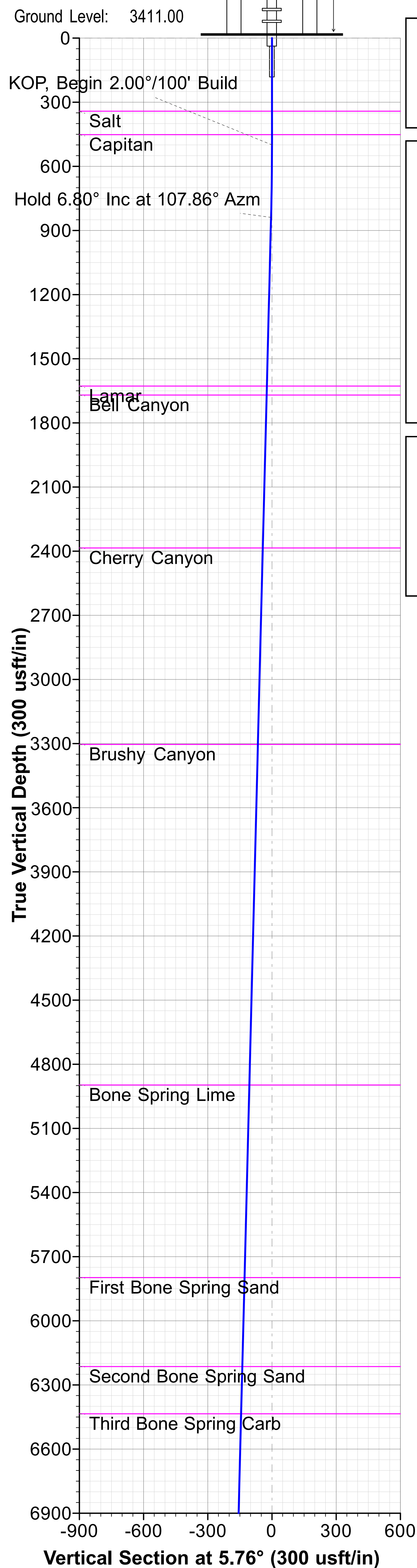
|                                                     |      |     |
|-----------------------------------------------------|------|-----|
| Anticipated Bottom Hole Pressure                    | 4630 | psi |
| Anticipated Surface Pressure                        | 2761 | psi |
| Anticipated Bottom Hole Temperature                 | 142  | °F  |
| Anticipated Abnormal pressure, temp, or geo hazards | No   |     |





Azimuths to Grid North  
True North: 0.00°  
Magnetic North: 6.76°  
  
Magnetic Field  
Strength: 47128.3nT  
Dip Angle: 59.78°  
Date: 9/25/2025  
Model: HDGM

RKB @ 3437.00usft (H&P 425)



| WELL DETAILS |  |  |               |       |           |  |                     |  |                      |  |  |
|--------------|--|--|---------------|-------|-----------|--|---------------------|--|----------------------|--|--|
|              |  |  | Ground Level: |       | 3411.00   |  | Latitude            |  | Longitude            |  |  |
|              |  |  | Easting       |       | 542875.32 |  | 32° 19' 37.771880 N |  | 104° 19' 42.076824 W |  |  |
|              |  |  | +N/-S         | +E/-W | Northing  |  |                     |  |                      |  |  |
|              |  |  | 0.00          | 0.00  | 482752.59 |  |                     |  |                      |  |  |

| SECTION DETAILS |          |       |        |         |          |         |       |          |          |                    |                                  |
|-----------------|----------|-------|--------|---------|----------|---------|-------|----------|----------|--------------------|----------------------------------|
| Sec             | MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | Dleg  | TFace    | VSec     | Target             | Annotation                       |
| 1               | 0.00     | 0.00  | 0.00   | 0.00    | 0.00     | 0.00    | 0.00  | 0.000    | 0.00     |                    | KOP, Begin 2.00°/100' Build      |
| 2               | 500.00   | 0.00  | 0.00   | 500.00  | 0.00     | 0.00    | 0.00  | 0.000    | 0.00     |                    | Hold 6.80° Inc at 107.86° Azm    |
| 3               | 839.87   | 6.80  | 107.86 | 839.07  | -6.18    | 19.17   | 2.00  | 107.862  | -4.22    |                    | KOP2, Begin 12.00°/100' Build    |
| 4               | 8033.03  | 6.80  | 107.86 | 7981.67 | -267.31  | 829.50  | 0.00  | 0.000    | -182.72  |                    | LP, Hold 90.00° Inc at 4.43° Azm |
| 5               | 8796.16  | 90.00 | 4.43   | 8469.00 | 204.18   | 922.70  | 12.00 | -103.341 | 295.75   |                    | Begin 2.00°/100' Turn            |
| 6               | 10973.97 | 90.00 | 4.43   | 8469.00 | 2375.49  | 1090.92 | 0.00  | 0.000    | 2472.97  | TP - OSC 133H      | Hold 359.88° Azm                 |
| 7               | 11201.70 | 90.00 | 359.88 | 8469.00 | 2602.99  | 1099.47 | 2.00  | -90.000  | 2700.19  |                    | Begin 2.00°/100' Turn            |
| 8               | 13635.31 | 90.00 | 359.88 | 8469.00 | 5036.60  | 1094.18 | 0.00  | 0.000    | 5120.98  | PP2 - OSC 133H     | Hold 359.48° Azm                 |
| 9               | 13655.15 | 90.00 | 359.48 | 8469.00 | 5056.44  | 1094.07 | 2.00  | -90.000  | 5140.71  |                    | Hold 359.48° Azm                 |
| 10              | 18966.71 | 90.00 | 359.48 | 8469.00 | 10367.78 | 1045.73 | 0.00  | 0.000    | 10420.38 | LTP/BHL - OSC 133H | TD at 18966.71                   |

| DESIGN TARGET DETAILS |         |          |         |           |           |                     |                      |  |  |  |  |
|-----------------------|---------|----------|---------|-----------|-----------|---------------------|----------------------|--|--|--|--|
| Name                  | TVD     | +N/-S    | +E/-W   | Northing  | Easting   | Latitude            | Longitude            |  |  |  |  |
| FTP/PP1 - OSC 133H    | 8469.00 | -217.13  | 890.26  | 482535.46 | 543765.58 | 32° 19' 35.622655 N | 104° 19' 31.701097 W |  |  |  |  |
| LTP/BHL - OSC 133H    | 8469.00 | 10367.78 | 1045.73 | 493120.37 | 543921.05 | 32° 21' 20.369551 N | 104° 19' 29.879480 W |  |  |  |  |
| PP2 - OSC 133H        | 8469.00 | 5036.60  | 1094.18 | 487789.19 | 543969.50 | 32° 20' 27.612849 N | 104° 19' 29.319569 W |  |  |  |  |
| TP - OSC 133H         | 8469.00 | 2375.49  | 1090.92 | 485128.08 | 543966.24 | 32° 20' 1.278784 N  | 104° 19' 29.360064 W |  |  |  |  |

Map System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone Name: New Mexico Eastern Zone

Local Origin: Well Ocotillo State Com 133H, Grid North

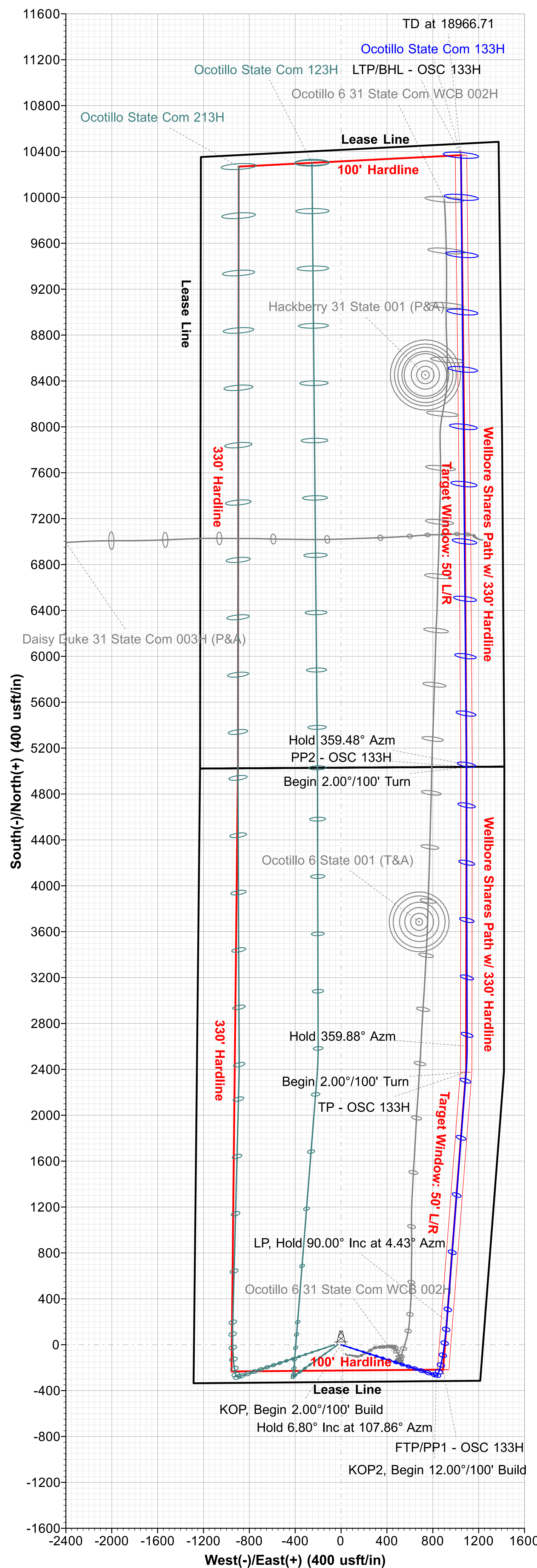
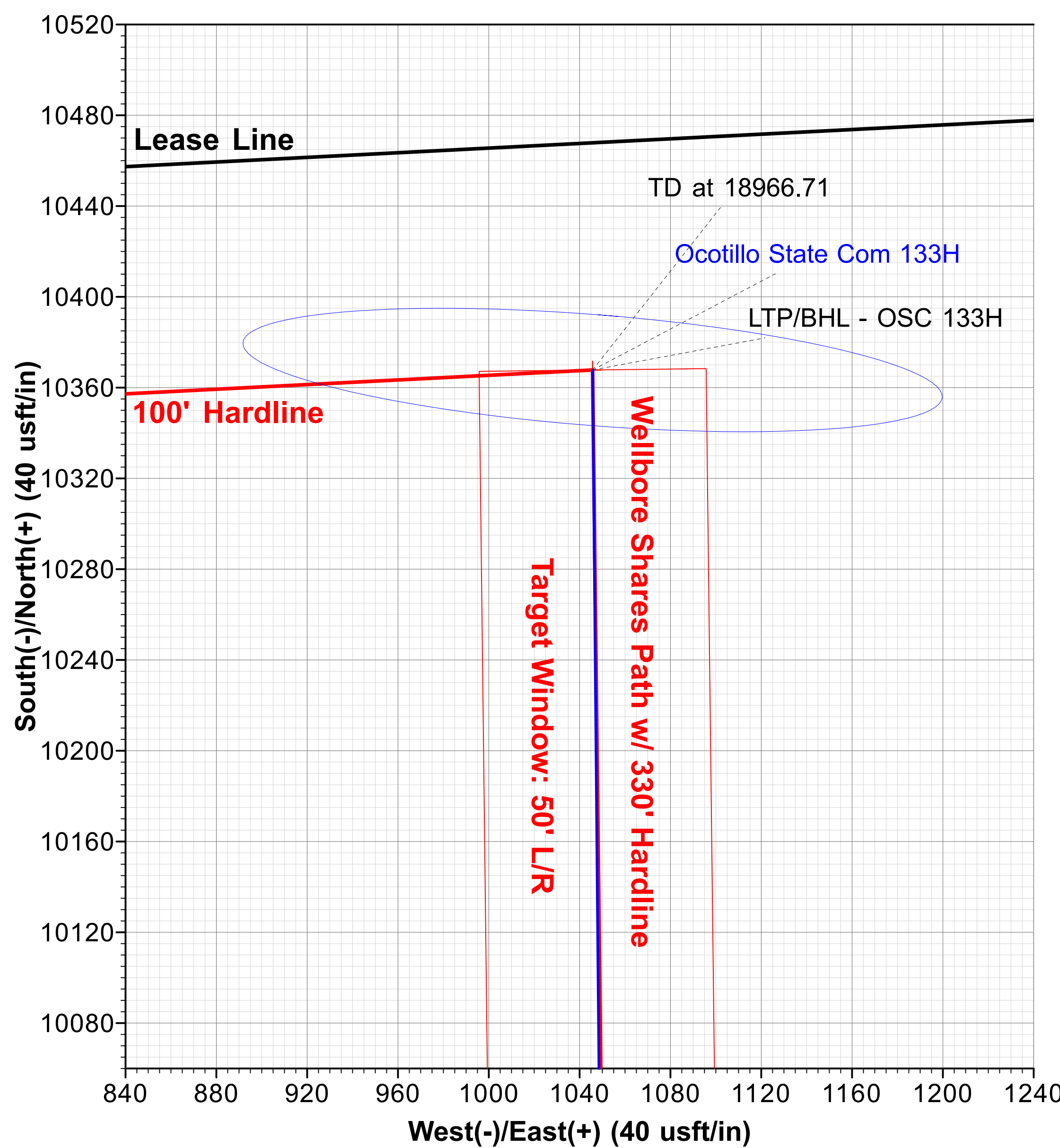
Latitude: 32° 19' 37.771880 N  
Longitude: 104° 19' 42.076824 W

Grid East: 542875.32  
Grid North: 482752.59  
Scale Factor: 1.000

Geomagnetic Model: HDGM  
Sample Date: 25-Sep-25  
Magnetic Declination: 6.767°  
Dip Angle from Horizontal: 59.783°  
Magnetic Field Strength: 47128.30000000nT

To convert a Magnetic Direction to a Grid Direction, Add 6.764°  
To convert a Magnetic Direction to a True Direction, Add 6.767° East  
To convert a True Direction to a Grid Direction, Subtract 0.003°

| TVDPath | MDPath  | Formation               | DipAngle | DipDir |
|---------|---------|-------------------------|----------|--------|
| 342.00  | 342.00  | Salt                    |          |        |
| 452.00  | 452.00  | Capitan                 |          |        |
| 1628.00 | 1634.38 | Lamar                   |          |        |
| 1670.00 | 1676.68 | Bell Canyon             |          |        |
| 2385.00 | 2396.74 | Cherry Canyon           |          |        |
| 3304.00 | 3322.25 | Brushy Canyon           |          |        |
| 4897.00 | 4926.52 | Bone Spring Lime        |          |        |
| 5798.00 | 5833.90 | First Bone Spring Sand  |          |        |
| 6214.00 | 6252.85 | Second Bone Spring Sand |          |        |
| 6435.00 | 6475.41 | Third Bone Spring Carb  |          |        |
| 8136.00 | 8190.59 | Third Bone Spring Sand  |          |        |
| 8449.00 | 8657.01 | TBSG SD TGT/T           |          |        |







# Permian Resources

Eddy County, NM (NAD83 - NME)  
Ocotillo State Com  
Ocotillo State Com 133H

OH

Plan: Plan 1 07-30-25

## Standard Planning Report

30 July, 2025

**PERMIAN**  
RESOURCES



## Planning Report

# PERMIAN

## RESOURCES

|                  |                               |                                     |                              |
|------------------|-------------------------------|-------------------------------------|------------------------------|
| <b>Database:</b> | USAEDMDB                      | <b>Local Co-ordinate Reference:</b> | Well Ocotillo State Com 133H |
| <b>Company:</b>  | Permian Resources             | <b>TVD Reference:</b>               | RKB @ 3437.00usft (H&P 425)  |
| <b>Project:</b>  | Eddy County, NM (NAD83 - NME) | <b>MD Reference:</b>                | RKB @ 3437.00usft (H&P 425)  |
| <b>Site:</b>     | Ocotillo State Com            | <b>North Reference:</b>             | Grid                         |
| <b>Well:</b>     | Ocotillo State Com 133H       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Wellbore:</b> | OH                            |                                     |                              |
| <b>Design:</b>   | Plan 1 07-30-25               |                                     |                              |

|                    |                               |                      |                |
|--------------------|-------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, NM (NAD83 - NME) |                      |                |
| <b>Map System:</b> | US State Plane 1983           | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983     |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone       |                      |                |

|                       |           |                    |                 |                   |                      |
|-----------------------|-----------|--------------------|-----------------|-------------------|----------------------|
| Site                  |           | Ocotillo State Com |                 |                   |                      |
| Site Position:        |           | Northing:          | 482,751.87 usft | Latitude:         | 32° 19' 37.764769 N  |
| From:                 | Map       | Easting:           | 542,845.33 usft | Longitude:        | 104° 19' 42.426356 W |
| Position Uncertainty: | 0.00 usft | Slot Radius:       | 13-3/16 "       | Grid Convergence: | 0.003                |

|                      |                         |            |                     |                 |               |                      |
|----------------------|-------------------------|------------|---------------------|-----------------|---------------|----------------------|
| Well                 | Ocotillo State Com 133H |            |                     |                 |               |                      |
| Well Position        | +N/-S                   | 0.72 usft  | Northing:           | 482,752.59 usft | Latitude:     | 32° 19' 37.771880 N  |
|                      | +E/-W                   | 29.99 usft | Easting:            | 542,875.32 usft | Longitude:    | 104° 19' 42.076824 W |
| Position Uncertainty |                         | 1.00 usft  | Wellhead Elevation: |                 | Ground Level: | 3,411.00 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> |
|                  | HDGM              | 9/25/2025          | 6.767                  | 59.783               | 47,128.30000000            |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <b>Design</b>            | Plan 1 07-30-25                |                     |                     |                      |      |
| <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                | 5.76                 |      |

|                                 |                        |                          |                      |                                |  |
|---------------------------------|------------------------|--------------------------|----------------------|--------------------------------|--|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 7/30/2025                |                      |                                |  |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>     | <b>Remarks</b>                 |  |
| 1                               | 0.00                   | 18,966.71                | Plan 1 07-30-25 (OH) | B001Mc_MWD+HRGM_R5<br>MWD+HRGM |  |



## Planning Report

# PERMIAN

## RESOURCES

|                  |                               |                                     |                              |
|------------------|-------------------------------|-------------------------------------|------------------------------|
| <b>Database:</b> | USAEDMDB                      | <b>Local Co-ordinate Reference:</b> | Well Ocotillo State Com 133H |
| <b>Company:</b>  | Permian Resources             | <b>TVD Reference:</b>               | RKB @ 3437.00usft (H&P 425)  |
| <b>Project:</b>  | Eddy County, NM (NAD83 - NME) | <b>MD Reference:</b>                | RKB @ 3437.00usft (H&P 425)  |
| <b>Site:</b>     | Ocotillo State Com            | <b>North Reference:</b>             | Grid                         |
| <b>Well:</b>     | Ocotillo State Com 133H       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Wellbore:</b> | OH                            |                                     |                              |
| <b>Design:</b>   | Plan 1 07-30-25               |                                     |                              |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |          |                    |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|----------|--------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°)  | Target             |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.000    |                    |
| 500.00                | 0.00            | 0.00        | 500.00                | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.000    |                    |
| 839.87                | 6.80            | 107.86      | 839.07                | -6.18        | 19.17        | 2.00                    | 2.00                   | 0.00                  | 107.862  |                    |
| 8,033.03              | 6.80            | 107.86      | 7,981.67              | -267.31      | 829.50       | 0.00                    | 0.00                   | 0.00                  | 0.000    |                    |
| 8,796.16              | 90.00           | 4.43        | 8,469.00              | 204.18       | 922.70       | 12.00                   | 10.90                  | -13.55                | -103.341 |                    |
| 10,973.97             | 90.00           | 4.43        | 8,469.00              | 2,375.49     | 1,090.92     | 0.00                    | 0.00                   | 0.00                  | 0.000    | TP - OSC 133H      |
| 11,201.70             | 90.00           | 359.88      | 8,469.00              | 2,602.99     | 1,099.47     | 2.00                    | 0.00                   | -2.00                 | -90.000  |                    |
| 13,635.31             | 90.00           | 359.88      | 8,469.00              | 5,036.60     | 1,094.18     | 0.00                    | 0.00                   | 0.00                  | 0.000    | PP2 - OSC 133H     |
| 13,655.15             | 90.00           | 359.48      | 8,469.00              | 5,056.44     | 1,094.07     | 2.00                    | 0.00                   | -2.00                 | -90.000  |                    |
| 18,966.71             | 90.00           | 359.48      | 8,469.00              | 10,367.78    | 1,045.73     | 0.00                    | 0.00                   | 0.00                  | 0.000    | LTP/BHL - OSC 133H |



## Planning Report

# PERMIAN

## RESOURCES

|                  |                               |                                     |                              |
|------------------|-------------------------------|-------------------------------------|------------------------------|
| <b>Database:</b> | USAEDMDB                      | <b>Local Co-ordinate Reference:</b> | Well Ocotillo State Com 133H |
| <b>Company:</b>  | Permian Resources             | <b>TVD Reference:</b>               | RKB @ 3437.00usft (H&P 425)  |
| <b>Project:</b>  | Eddy County, NM (NAD83 - NME) | <b>MD Reference:</b>                | RKB @ 3437.00usft (H&P 425)  |
| <b>Site:</b>     | Ocotillo State Com            | <b>North Reference:</b>             | Grid                         |
| <b>Well:</b>     | Ocotillo State Com 133H       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Wellbore:</b> | OH                            |                                     |                              |
| <b>Design:</b>   | Plan 1 07-30-25               |                                     |                              |

| 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                  |
| 342.00                               | 0.00            | 0.00        | 342.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Salt</b>                          |                 |             |                       |              |              |                         |                         |                        |                       |
| 452.00                               | 0.00            | 0.00        | 452.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Capitan</b>                       |                 |             |                       |              |              |                         |                         |                        |                       |
| 500.00                               | 0.00            | 0.00        | 500.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP, Begin 2.00°/100' Build</b>   |                 |             |                       |              |              |                         |                         |                        |                       |
| 600.00                               | 2.00            | 107.86      | 599.98                | -0.54        | 1.66         | -0.37                   | 2.00                    | 2.00                   | 0.00                  |
| 700.00                               | 4.00            | 107.86      | 699.84                | -2.14        | 6.64         | -1.46                   | 2.00                    | 2.00                   | 0.00                  |
| 800.00                               | 6.00            | 107.86      | 799.45                | -4.81        | 14.94        | -3.29                   | 2.00                    | 2.00                   | 0.00                  |
| 839.87                               | 6.80            | 107.86      | 839.07                | -6.18        | 19.17        | -4.22                   | 2.00                    | 2.00                   | 0.00                  |
| <b>Hold 6.80° Inc at 107.86° Azm</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 900.00                               | 6.80            | 107.86      | 898.78                | -8.36        | 25.94        | -5.71                   | 0.00                    | 0.00                   | 0.00                  |
| 1,000.00                             | 6.80            | 107.86      | 998.08                | -11.99       | 37.21        | -8.20                   | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00                             | 6.80            | 107.86      | 1,097.37              | -15.62       | 48.47        | -10.68                  | 0.00                    | 0.00                   | 0.00                  |
| 1,200.00                             | 6.80            | 107.86      | 1,196.67              | -19.25       | 59.74        | -13.16                  | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00                             | 6.80            | 107.86      | 1,295.97              | -22.88       | 71.00        | -15.64                  | 0.00                    | 0.00                   | 0.00                  |
| 1,400.00                             | 6.80            | 107.86      | 1,395.27              | -26.51       | 82.27        | -18.12                  | 0.00                    | 0.00                   | 0.00                  |
| 1,500.00                             | 6.80            | 107.86      | 1,494.56              | -30.14       | 93.53        | -20.60                  | 0.00                    | 0.00                   | 0.00                  |
| 1,600.00                             | 6.80            | 107.86      | 1,593.86              | -33.77       | 104.80       | -23.08                  | 0.00                    | 0.00                   | 0.00                  |
| 1,634.38                             | 6.80            | 107.86      | 1,628.00              | -35.02       | 108.67       | -23.94                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Lamar</b>                         |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,676.68                             | 6.80            | 107.86      | 1,670.00              | -36.56       | 113.44       | -24.99                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Bell Canyon</b>                   |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,700.00                             | 6.80            | 107.86      | 1,693.16              | -37.40       | 116.06       | -25.57                  | 0.00                    | 0.00                   | 0.00                  |
| 1,800.00                             | 6.80            | 107.86      | 1,792.45              | -41.03       | 127.33       | -28.05                  | 0.00                    | 0.00                   | 0.00                  |
| 1,900.00                             | 6.80            | 107.86      | 1,891.75              | -44.66       | 138.59       | -30.53                  | 0.00                    | 0.00                   | 0.00                  |
| 2,000.00                             | 6.80            | 107.86      | 1,991.05              | -48.29       | 149.86       | -33.01                  | 0.00                    | 0.00                   | 0.00                  |
| 2,100.00                             | 6.80            | 107.86      | 2,090.35              | -51.92       | 161.13       | -35.49                  | 0.00                    | 0.00                   | 0.00                  |
| 2,200.00                             | 6.80            | 107.86      | 2,189.64              | -55.55       | 172.39       | -37.97                  | 0.00                    | 0.00                   | 0.00                  |
| 2,300.00                             | 6.80            | 107.86      | 2,288.94              | -59.18       | 183.66       | -40.45                  | 0.00                    | 0.00                   | 0.00                  |
| 2,396.74                             | 6.80            | 107.86      | 2,385.00              | -62.70       | 194.55       | -42.85                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Cherry Canyon</b>                 |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,400.00                             | 6.80            | 107.86      | 2,388.24              | -62.81       | 194.92       | -42.94                  | 0.00                    | 0.00                   | 0.00                  |
| 2,500.00                             | 6.80            | 107.86      | 2,487.53              | -66.44       | 206.19       | -45.42                  | 0.00                    | 0.00                   | 0.00                  |
| 2,600.00                             | 6.80            | 107.86      | 2,586.83              | -70.07       | 217.45       | -47.90                  | 0.00                    | 0.00                   | 0.00                  |
| 2,700.00                             | 6.80            | 107.86      | 2,686.13              | -73.70       | 228.72       | -50.38                  | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00                             | 6.80            | 107.86      | 2,785.43              | -77.34       | 239.98       | -52.86                  | 0.00                    | 0.00                   | 0.00                  |
| 2,900.00                             | 6.80            | 107.86      | 2,884.72              | -80.97       | 251.25       | -55.34                  | 0.00                    | 0.00                   | 0.00                  |
| 3,000.00                             | 6.80            | 107.86      | 2,984.02              | -84.60       | 262.51       | -57.82                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00                             | 6.80            | 107.86      | 3,083.32              | -88.23       | 273.78       | -60.31                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00                             | 6.80            | 107.86      | 3,182.61              | -91.86       | 285.04       | -62.79                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00                             | 6.80            | 107.86      | 3,281.91              | -95.49       | 296.31       | -65.27                  | 0.00                    | 0.00                   | 0.00                  |
| 3,322.25                             | 6.80            | 107.86      | 3,304.00              | -96.29       | 298.82       | -65.82                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Brushy Canyon</b>                 |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,400.00                             | 6.80            | 107.86      | 3,381.21              | -99.12       | 307.58       | -67.75                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00                             | 6.80            | 107.86      | 3,480.50              | -102.75      | 318.84       | -70.23                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00                             | 6.80            | 107.86      | 3,579.80              | -106.38      | 330.11       | -72.71                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00                             | 6.80            | 107.86      | 3,679.10              | -110.01      | 341.37       | -75.19                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00                             | 6.80            | 107.86      | 3,778.40              | -113.64      | 352.64       | -77.68                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00                             | 6.80            | 107.86      | 3,877.69              | -117.27      | 363.90       | -80.16                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00                             | 6.80            | 107.86      | 3,976.99              | -120.90      | 375.17       | -82.64                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00                             | 6.80            | 107.86      | 4,076.29              | -124.53      | 386.43       | -85.12                  | 0.00                    | 0.00                   | 0.00                  |





## Planning Report

# PERMIAN

## RESOURCES

|                  |                               |                                     |                              |
|------------------|-------------------------------|-------------------------------------|------------------------------|
| <b>Database:</b> | USAEDMDB                      | <b>Local Co-ordinate Reference:</b> | Well Ocotillo State Com 133H |
| <b>Company:</b>  | Permian Resources             | <b>TVD Reference:</b>               | RKB @ 3437.00usft (H&P 425)  |
| <b>Project:</b>  | Eddy County, NM (NAD83 - NME) | <b>MD Reference:</b>                | RKB @ 3437.00usft (H&P 425)  |
| <b>Site:</b>     | Ocotillo State Com            | <b>North Reference:</b>             | Grid                         |
| <b>Well:</b>     | Ocotillo State Com 133H       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Wellbore:</b> | OH                            |                                     |                              |
| <b>Design:</b>   | Plan 1 07-30-25               |                                     |                              |

| Planned Survey                       |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,200.00                             | 6.80            | 107.86      | 4,175.58              | -128.16      | 397.70       | -87.60                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00                             | 6.80            | 107.86      | 4,274.88              | -131.79      | 408.96       | -90.08                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00                             | 6.80            | 107.86      | 4,374.18              | -135.42      | 420.23       | -92.56                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00                             | 6.80            | 107.86      | 4,473.48              | -139.05      | 431.49       | -95.05                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00                             | 6.80            | 107.86      | 4,572.77              | -142.68      | 442.76       | -97.53                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00                             | 6.80            | 107.86      | 4,672.07              | -146.31      | 454.03       | -100.01                 | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00                             | 6.80            | 107.86      | 4,771.37              | -149.94      | 465.29       | -102.49                 | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00                             | 6.80            | 107.86      | 4,870.66              | -153.57      | 476.56       | -104.97                 | 0.00                    | 0.00                   | 0.00                  |
| 4,926.52                             | 6.80            | 107.86      | 4,897.00              | -154.53      | 479.54       | -105.63                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Bone Spring Lime</b>              |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,000.00                             | 6.80            | 107.86      | 4,969.96              | -157.20      | 487.82       | -107.45                 | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00                             | 6.80            | 107.86      | 5,069.26              | -160.83      | 499.09       | -109.93                 | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00                             | 6.80            | 107.86      | 5,168.56              | -164.46      | 510.35       | -112.42                 | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00                             | 6.80            | 107.86      | 5,267.85              | -168.09      | 521.62       | -114.90                 | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00                             | 6.80            | 107.86      | 5,367.15              | -171.72      | 532.88       | -117.38                 | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00                             | 6.80            | 107.86      | 5,466.45              | -175.35      | 544.15       | -119.86                 | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00                             | 6.80            | 107.86      | 5,565.74              | -178.98      | 555.41       | -122.34                 | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00                             | 6.80            | 107.86      | 5,665.04              | -182.61      | 566.68       | -124.82                 | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00                             | 6.80            | 107.86      | 5,764.34              | -186.24      | 577.94       | -127.31                 | 0.00                    | 0.00                   | 0.00                  |
| 5,833.90                             | 6.80            | 107.86      | 5,798.00              | -187.48      | 581.76       | -128.15                 | 0.00                    | 0.00                   | 0.00                  |
| <b>First Bone Spring Sand</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,900.00                             | 6.80            | 107.86      | 5,863.64              | -189.87      | 589.21       | -129.79                 | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00                             | 6.80            | 107.86      | 5,962.93              | -193.51      | 600.48       | -132.27                 | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00                             | 6.80            | 107.86      | 6,062.23              | -197.14      | 611.74       | -134.75                 | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00                             | 6.80            | 107.86      | 6,161.53              | -200.77      | 623.01       | -137.23                 | 0.00                    | 0.00                   | 0.00                  |
| 6,252.85                             | 6.80            | 107.86      | 6,214.00              | -202.68      | 628.96       | -138.54                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Second Bone Spring Sand</b>       |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,300.00                             | 6.80            | 107.86      | 6,260.82              | -204.40      | 634.27       | -139.71                 | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00                             | 6.80            | 107.86      | 6,360.12              | -208.03      | 645.54       | -142.19                 | 0.00                    | 0.00                   | 0.00                  |
| 6,475.41                             | 6.80            | 107.86      | 6,435.00              | -210.76      | 654.03       | -144.07                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Third Bone Spring Carb</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,500.00                             | 6.80            | 107.86      | 6,459.42              | -211.66      | 656.80       | -144.68                 | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00                             | 6.80            | 107.86      | 6,558.71              | -215.29      | 668.07       | -147.16                 | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00                             | 6.80            | 107.86      | 6,658.01              | -218.92      | 679.33       | -149.64                 | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00                             | 6.80            | 107.86      | 6,757.31              | -222.55      | 690.60       | -152.12                 | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00                             | 6.80            | 107.86      | 6,856.61              | -226.18      | 701.86       | -154.60                 | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00                             | 6.80            | 107.86      | 6,955.90              | -229.81      | 713.13       | -157.08                 | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00                             | 6.80            | 107.86      | 7,055.20              | -233.44      | 724.40       | -159.56                 | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00                             | 6.80            | 107.86      | 7,154.50              | -237.07      | 735.66       | -162.05                 | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00                             | 6.80            | 107.86      | 7,253.79              | -240.70      | 746.93       | -164.53                 | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00                             | 6.80            | 107.86      | 7,353.09              | -244.33      | 758.19       | -167.01                 | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00                             | 6.80            | 107.86      | 7,452.39              | -247.96      | 769.46       | -169.49                 | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00                             | 6.80            | 107.86      | 7,551.69              | -251.59      | 780.72       | -171.97                 | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00                             | 6.80            | 107.86      | 7,650.98              | -255.22      | 791.99       | -174.45                 | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00                             | 6.80            | 107.86      | 7,750.28              | -258.85      | 803.25       | -176.93                 | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00                             | 6.80            | 107.86      | 7,849.58              | -262.48      | 814.52       | -179.42                 | 0.00                    | 0.00                   | 0.00                  |
| 8,000.00                             | 6.80            | 107.86      | 7,948.87              | -266.11      | 825.78       | -181.90                 | 0.00                    | 0.00                   | 0.00                  |
| 8,033.03                             | 6.80            | 107.86      | 7,981.67              | -267.31      | 829.50       | -182.72                 | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP2, Begin 12.00°/100' Build</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,100.00                             | 9.24            | 49.91       | 8,048.08              | -265.06      | 837.40       | -179.69                 | 12.00                   | 3.64                   | -86.53                |
| 8,190.59                             | 18.51           | 24.69       | 8,136.00              | -247.26      | 849.00       | -160.81                 | 12.00                   | 10.24                  | -27.85                |
| <b>Third Bone Spring Sand</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,200.00                             | 19.57           | 23.46       | 8,144.90              | -244.46      | 850.26       | -157.89                 | 12.00                   | 11.23                  | -12.99                |



## Planning Report

# PERMIAN

## RESOURCES

|                  |                               |                                     |                              |
|------------------|-------------------------------|-------------------------------------|------------------------------|
| <b>Database:</b> | USAEDMDB                      | <b>Local Co-ordinate Reference:</b> | Well Ocotillo State Com 133H |
| <b>Company:</b>  | Permian Resources             | <b>TVD Reference:</b>               | RKB @ 3437.00usft (H&P 425)  |
| <b>Project:</b>  | Eddy County, NM (NAD83 - NME) | <b>MD Reference:</b>                | RKB @ 3437.00usft (H&P 425)  |
| <b>Site:</b>     | Ocotillo State Com            | <b>North Reference:</b>             | Grid                         |
| <b>Well:</b>     | Ocotillo State Com 133H       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Wellbore:</b> | OH                            |                                     |                              |
| <b>Design:</b>   | Plan 1 07-30-25               |                                     |                              |

| 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) |
| 8,300.00                                | 31.10           | 15.51       | 8,235.15              | -204.06      | 863.88       | -116.33                 | 12.00                   | 11.53                  | -7.95                 |
| 8,400.00                                | 42.88           | 11.60       | 8,314.90              | -145.63      | 877.68       | -56.81                  | 12.00                   | 11.77                  | -3.91                 |
| 8,500.00                                | 54.73           | 9.13        | 8,380.65              | -71.73       | 891.05       | 18.06                   | 12.00                   | 11.86                  | -2.47                 |
| 8,600.00                                | 66.63           | 7.30        | 8,429.53              | 14.42        | 903.41       | 105.01                  | 12.00                   | 11.89                  | -1.83                 |
| 8,657.01                                | 73.42           | 6.41        | 8,449.00              | 67.58        | 909.79       | 158.54                  | 12.00                   | 11.91                  | -1.57                 |
| <b>TBSG SD TGT/T</b>                    |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,700.00                                | 78.54           | 5.78        | 8,459.41              | 109.04       | 914.22       | 200.24                  | 12.00                   | 11.92                  | -1.47                 |
| 8,796.16                                | 90.00           | 4.43        | 8,469.00              | 204.18       | 922.70       | 295.75                  | 12.00                   | 11.92                  | -1.40                 |
| <b>LP, Hold 90.00° Inc at 4.43° Azm</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,800.00                                | 90.00           | 4.43        | 8,469.00              | 208.01       | 923.00       | 299.59                  | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00                                | 90.00           | 4.43        | 8,469.00              | 307.71       | 930.72       | 399.56                  | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00                                | 90.00           | 4.43        | 8,469.00              | 407.42       | 938.45       | 499.54                  | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00                                | 90.00           | 4.43        | 8,469.00              | 507.12       | 946.17       | 599.51                  | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00                                | 90.00           | 4.43        | 8,469.00              | 606.82       | 953.89       | 699.48                  | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00                                | 90.00           | 4.43        | 8,469.00              | 706.52       | 961.62       | 799.46                  | 0.00                    | 0.00                   | 0.00                  |
| 9,400.00                                | 90.00           | 4.43        | 8,469.00              | 806.22       | 969.34       | 899.43                  | 0.00                    | 0.00                   | 0.00                  |
| 9,500.00                                | 90.00           | 4.43        | 8,469.00              | 905.92       | 977.07       | 999.40                  | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00                                | 90.00           | 4.43        | 8,469.00              | 1,005.62     | 984.79       | 1,099.37                | 0.00                    | 0.00                   | 0.00                  |
| 9,700.00                                | 90.00           | 4.43        | 8,469.00              | 1,105.32     | 992.51       | 1,199.35                | 0.00                    | 0.00                   | 0.00                  |
| 9,800.00                                | 90.00           | 4.43        | 8,469.00              | 1,205.03     | 1,000.24     | 1,299.32                | 0.00                    | 0.00                   | 0.00                  |
| 9,900.00                                | 90.00           | 4.43        | 8,469.00              | 1,304.73     | 1,007.96     | 1,399.29                | 0.00                    | 0.00                   | 0.00                  |
| 10,000.00                               | 90.00           | 4.43        | 8,469.00              | 1,404.43     | 1,015.69     | 1,499.27                | 0.00                    | 0.00                   | 0.00                  |
| 10,100.00                               | 90.00           | 4.43        | 8,469.00              | 1,504.13     | 1,023.41     | 1,599.24                | 0.00                    | 0.00                   | 0.00                  |
| 10,200.00                               | 90.00           | 4.43        | 8,469.00              | 1,603.83     | 1,031.14     | 1,699.21                | 0.00                    | 0.00                   | 0.00                  |
| 10,300.00                               | 90.00           | 4.43        | 8,469.00              | 1,703.53     | 1,038.86     | 1,799.19                | 0.00                    | 0.00                   | 0.00                  |
| 10,400.00                               | 90.00           | 4.43        | 8,469.00              | 1,803.23     | 1,046.58     | 1,899.16                | 0.00                    | 0.00                   | 0.00                  |
| 10,500.00                               | 90.00           | 4.43        | 8,469.00              | 1,902.93     | 1,054.31     | 1,999.13                | 0.00                    | 0.00                   | 0.00                  |
| 10,600.00                               | 90.00           | 4.43        | 8,469.00              | 2,002.64     | 1,062.03     | 2,099.11                | 0.00                    | 0.00                   | 0.00                  |
| 10,700.00                               | 90.00           | 4.43        | 8,469.00              | 2,102.34     | 1,069.76     | 2,199.08                | 0.00                    | 0.00                   | 0.00                  |
| 10,800.00                               | 90.00           | 4.43        | 8,469.00              | 2,202.04     | 1,077.48     | 2,299.05                | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00                               | 90.00           | 4.43        | 8,469.00              | 2,301.74     | 1,085.20     | 2,399.02                | 0.00                    | 0.00                   | 0.00                  |
| 10,973.97                               | 90.00           | 4.43        | 8,469.00              | 2,375.49     | 1,090.92     | 2,472.97                | 0.00                    | 0.00                   | 0.00                  |
| <b>Begin 2.00°/100' Turn</b>            |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,000.00                               | 90.00           | 3.91        | 8,469.00              | 2,401.45     | 1,092.81     | 2,498.99                | 2.00                    | 0.00                   | -2.00                 |
| 11,100.00                               | 90.00           | 1.91        | 8,469.00              | 2,501.32     | 1,097.89     | 2,598.87                | 2.00                    | 0.00                   | -2.00                 |
| 11,200.00                               | 90.00           | 359.91      | 8,469.00              | 2,601.30     | 1,099.47     | 2,698.50                | 2.00                    | 0.00                   | -2.00                 |
| 11,201.70                               | 90.00           | 359.88      | 8,469.00              | 2,602.99     | 1,099.47     | 2,700.19                | 2.00                    | 0.00                   | -2.00                 |
| <b>Hold 359.88° Azm</b>                 |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,300.00                               | 90.00           | 359.88      | 8,469.00              | 2,701.30     | 1,099.26     | 2,797.98                | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00                               | 90.00           | 359.88      | 8,469.00              | 2,801.30     | 1,099.04     | 2,897.45                | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00                               | 90.00           | 359.88      | 8,469.00              | 2,901.30     | 1,098.82     | 2,996.92                | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00                               | 90.00           | 359.88      | 8,469.00              | 3,001.30     | 1,098.60     | 3,096.40                | 0.00                    | 0.00                   | 0.00                  |
| 11,700.00                               | 90.00           | 359.88      | 8,469.00              | 3,101.30     | 1,098.39     | 3,195.87                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00                               | 90.00           | 359.88      | 8,469.00              | 3,201.30     | 1,098.17     | 3,295.34                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00                               | 90.00           | 359.88      | 8,469.00              | 3,301.30     | 1,097.95     | 3,394.81                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00                               | 90.00           | 359.88      | 8,469.00              | 3,401.30     | 1,097.73     | 3,494.29                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00                               | 90.00           | 359.88      | 8,469.00              | 3,501.30     | 1,097.52     | 3,593.76                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00                               | 90.00           | 359.88      | 8,469.00              | 3,601.30     | 1,097.30     | 3,693.23                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00                               | 90.00           | 359.88      | 8,469.00              | 3,701.30     | 1,097.08     | 3,792.71                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00                               | 90.00           | 359.88      | 8,469.00              | 3,801.29     | 1,096.86     | 3,892.18                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00                               | 90.00           | 359.88      | 8,469.00              | 3,901.29     | 1,096.65     | 3,991.65                | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00                               | 90.00           | 359.88      | 8,469.00              | 4,001.29     | 1,096.43     | 4,091.13                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00                               | 90.00           | 359.88      | 8,469.00              | 4,101.29     | 1,096.21     | 4,190.60                | 0.00                    | 0.00                   | 0.00                  |



## Planning Report

# PERMIAN

## RESOURCES

|                  |                               |                                     |                              |
|------------------|-------------------------------|-------------------------------------|------------------------------|
| <b>Database:</b> | USAEDMDB                      | <b>Local Co-ordinate Reference:</b> | Well Ocotillo State Com 133H |
| <b>Company:</b>  | Permian Resources             | <b>TVD Reference:</b>               | RKB @ 3437.00usft (H&P 425)  |
| <b>Project:</b>  | Eddy County, NM (NAD83 - NME) | <b>MD Reference:</b>                | RKB @ 3437.00usft (H&P 425)  |
| <b>Site:</b>     | Ocotillo State Com            | <b>North Reference:</b>             | Grid                         |
| <b>Well:</b>     | Ocotillo State Com 133H       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Wellbore:</b> | OH                            |                                     |                              |
| <b>Design:</b>   | Plan 1 07-30-25               |                                     |                              |

| 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) |
| 12,800.00                    | 90.00           | 359.88      | 8,469.00              | 4,201.29     | 1,096.00     | 4,290.07                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00                    | 90.00           | 359.88      | 8,469.00              | 4,301.29     | 1,095.78     | 4,389.55                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00                    | 90.00           | 359.88      | 8,469.00              | 4,401.29     | 1,095.56     | 4,489.02                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00                    | 90.00           | 359.88      | 8,469.00              | 4,501.29     | 1,095.34     | 4,588.49                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00                    | 90.00           | 359.88      | 8,469.00              | 4,601.29     | 1,095.13     | 4,687.97                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00                    | 90.00           | 359.88      | 8,469.00              | 4,701.29     | 1,094.91     | 4,787.44                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00                    | 90.00           | 359.88      | 8,469.00              | 4,801.29     | 1,094.69     | 4,886.91                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00                    | 90.00           | 359.88      | 8,469.00              | 4,901.29     | 1,094.47     | 4,986.38                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00                    | 90.00           | 359.88      | 8,469.00              | 5,001.29     | 1,094.26     | 5,085.86                | 0.00                    | 0.00                   | 0.00                  |
| 13,635.31                    | 90.00           | 359.88      | 8,469.00              | 5,036.60     | 1,094.18     | 5,120.98                | 0.00                    | 0.00                   | 0.00                  |
| <b>Begin 2.00°/100' Turn</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 13,655.15                    | 90.00           | 359.48      | 8,469.00              | 5,056.44     | 1,094.07     | 5,140.71                | 2.00                    | 0.00                   | -2.00                 |
| <b>Hold 359.48° Azm</b>      |                 |             |                       |              |              |                         |                         |                        |                       |
| 13,700.00                    | 90.00           | 359.48      | 8,469.00              | 5,101.29     | 1,093.66     | 5,185.29                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00                    | 90.00           | 359.48      | 8,469.00              | 5,201.29     | 1,092.75     | 5,284.69                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00                    | 90.00           | 359.48      | 8,469.00              | 5,301.28     | 1,091.84     | 5,384.09                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00                    | 90.00           | 359.48      | 8,469.00              | 5,401.28     | 1,090.93     | 5,483.49                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00                    | 90.00           | 359.48      | 8,469.00              | 5,501.27     | 1,090.02     | 5,582.89                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00                    | 90.00           | 359.48      | 8,469.00              | 5,601.27     | 1,089.11     | 5,682.29                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00                    | 90.00           | 359.48      | 8,469.00              | 5,701.26     | 1,088.20     | 5,781.69                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00                    | 90.00           | 359.48      | 8,469.00              | 5,801.26     | 1,087.29     | 5,881.09                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00                    | 90.00           | 359.48      | 8,469.00              | 5,901.26     | 1,086.38     | 5,980.49                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00                    | 90.00           | 359.48      | 8,469.00              | 6,001.25     | 1,085.47     | 6,079.89                | 0.00                    | 0.00                   | 0.00                  |
| 14,700.00                    | 90.00           | 359.48      | 8,469.00              | 6,101.25     | 1,084.56     | 6,179.29                | 0.00                    | 0.00                   | 0.00                  |
| 14,800.00                    | 90.00           | 359.48      | 8,469.00              | 6,201.24     | 1,083.65     | 6,278.69                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00                    | 90.00           | 359.48      | 8,469.00              | 6,301.24     | 1,082.74     | 6,378.09                | 0.00                    | 0.00                   | 0.00                  |
| 15,000.00                    | 90.00           | 359.48      | 8,469.00              | 6,401.24     | 1,081.83     | 6,477.49                | 0.00                    | 0.00                   | 0.00                  |
| 15,100.00                    | 90.00           | 359.48      | 8,469.00              | 6,501.23     | 1,080.92     | 6,576.89                | 0.00                    | 0.00                   | 0.00                  |
| 15,200.00                    | 90.00           | 359.48      | 8,469.00              | 6,601.23     | 1,080.01     | 6,676.29                | 0.00                    | 0.00                   | 0.00                  |
| 15,300.00                    | 90.00           | 359.48      | 8,469.00              | 6,701.22     | 1,079.10     | 6,775.69                | 0.00                    | 0.00                   | 0.00                  |
| 15,400.00                    | 90.00           | 359.48      | 8,469.00              | 6,801.22     | 1,078.19     | 6,875.09                | 0.00                    | 0.00                   | 0.00                  |
| 15,500.00                    | 90.00           | 359.48      | 8,469.00              | 6,901.22     | 1,077.28     | 6,974.49                | 0.00                    | 0.00                   | 0.00                  |
| 15,600.00                    | 90.00           | 359.48      | 8,469.00              | 7,001.21     | 1,076.37     | 7,073.89                | 0.00                    | 0.00                   | 0.00                  |
| 15,700.00                    | 90.00           | 359.48      | 8,469.00              | 7,101.21     | 1,075.46     | 7,173.29                | 0.00                    | 0.00                   | 0.00                  |
| 15,800.00                    | 90.00           | 359.48      | 8,469.00              | 7,201.20     | 1,074.55     | 7,272.69                | 0.00                    | 0.00                   | 0.00                  |
| 15,900.00                    | 90.00           | 359.48      | 8,469.00              | 7,301.20     | 1,073.64     | 7,372.08                | 0.00                    | 0.00                   | 0.00                  |
| 16,000.00                    | 90.00           | 359.48      | 8,469.00              | 7,401.19     | 1,072.73     | 7,471.48                | 0.00                    | 0.00                   | 0.00                  |
| 16,100.00                    | 90.00           | 359.48      | 8,469.00              | 7,501.19     | 1,071.82     | 7,570.88                | 0.00                    | 0.00                   | 0.00                  |
| 16,200.00                    | 90.00           | 359.48      | 8,469.00              | 7,601.19     | 1,070.91     | 7,670.28                | 0.00                    | 0.00                   | 0.00                  |
| 16,300.00                    | 90.00           | 359.48      | 8,469.00              | 7,701.18     | 1,070.00     | 7,769.68                | 0.00                    | 0.00                   | 0.00                  |
| 16,400.00                    | 90.00           | 359.48      | 8,469.00              | 7,801.18     | 1,069.09     | 7,869.08                | 0.00                    | 0.00                   | 0.00                  |
| 16,500.00                    | 90.00           | 359.48      | 8,469.00              | 7,901.17     | 1,068.18     | 7,968.48                | 0.00                    | 0.00                   | 0.00                  |
| 16,600.00                    | 90.00           | 359.48      | 8,469.00              | 8,001.17     | 1,067.27     | 8,067.88                | 0.00                    | 0.00                   | 0.00                  |
| 16,700.00                    | 90.00           | 359.48      | 8,469.00              | 8,101.17     | 1,066.36     | 8,167.28                | 0.00                    | 0.00                   | 0.00                  |
| 16,800.00                    | 90.00           | 359.48      | 8,469.00              | 8,201.16     | 1,065.45     | 8,266.68                | 0.00                    | 0.00                   | 0.00                  |
| 16,900.00                    | 90.00           | 359.48      | 8,469.00              | 8,301.16     | 1,064.54     | 8,366.08                | 0.00                    | 0.00                   | 0.00                  |
| 17,000.00                    | 90.00           | 359.48      | 8,469.00              | 8,401.15     | 1,063.63     | 8,465.48                | 0.00                    | 0.00                   | 0.00                  |
| 17,100.00                    | 90.00           | 359.48      | 8,469.00              | 8,501.15     | 1,062.72     | 8,564.88                | 0.00                    | 0.00                   | 0.00                  |
| 17,200.00                    | 90.00           | 359.48      | 8,469.00              | 8,601.14     | 1,061.81     | 8,664.28                | 0.00                    | 0.00                   | 0.00                  |
| 17,300.00                    | 90.00           | 359.48      | 8,469.00              | 8,701.14     | 1,060.90     | 8,763.68                | 0.00                    | 0.00                   | 0.00                  |
| 17,400.00                    | 90.00           | 359.48      | 8,469.00              | 8,801.14     | 1,059.99     | 8,863.08                | 0.00                    | 0.00                   | 0.00                  |
| 17,500.00                    | 90.00           | 359.48      | 8,469.00              | 8,901.13     | 1,059.08     | 8,962.48                | 0.00                    | 0.00                   | 0.00                  |
| 17,600.00                    | 90.00           | 359.48      | 8,469.00              | 9,001.13     | 1,058.17     | 9,061.88                | 0.00                    | 0.00                   | 0.00                  |
| 17,700.00                    | 90.00           | 359.48      | 8,469.00              | 9,101.12     | 1,057.26     | 9,161.28                | 0.00                    | 0.00                   | 0.00                  |



## Planning Report

# PERMIAN

RESOURCES

|                  |                               |                                     |                              |
|------------------|-------------------------------|-------------------------------------|------------------------------|
| <b>Database:</b> | USAEDMDB                      | <b>Local Co-ordinate Reference:</b> | Well Ocotillo State Com 133H |
| <b>Company:</b>  | Permian Resources             | <b>TVD Reference:</b>               | RKB @ 3437.00usft (H&P 425)  |
| <b>Project:</b>  | Eddy County, NM (NAD83 - NME) | <b>MD Reference:</b>                | RKB @ 3437.00usft (H&P 425)  |
| <b>Site:</b>     | Ocotillo State Com            | <b>North Reference:</b>             | Grid                         |
| <b>Well:</b>     | Ocotillo State Com 133H       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Wellbore:</b> | OH                            |                                     |                              |
| <b>Design:</b>   | Plan 1 07-30-25               |                                     |                              |

| 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) |  |
| 17,800.00             | 90.00           | 359.48      | 8,469.00              | 9,201.12     | 1,056.35     | 9,260.68                | 0.00                    | 0.00                   | 0.00                  |  |
| 17,900.00             | 90.00           | 359.48      | 8,469.00              | 9,301.12     | 1,055.44     | 9,360.08                | 0.00                    | 0.00                   | 0.00                  |  |
| 18,000.00             | 90.00           | 359.48      | 8,469.00              | 9,401.11     | 1,054.53     | 9,459.48                | 0.00                    | 0.00                   | 0.00                  |  |
| 18,100.00             | 90.00           | 359.48      | 8,469.00              | 9,501.11     | 1,053.62     | 9,558.88                | 0.00                    | 0.00                   | 0.00                  |  |
| 18,200.00             | 90.00           | 359.48      | 8,469.00              | 9,601.10     | 1,052.71     | 9,658.28                | 0.00                    | 0.00                   | 0.00                  |  |
| 18,300.00             | 90.00           | 359.48      | 8,469.00              | 9,701.10     | 1,051.80     | 9,757.68                | 0.00                    | 0.00                   | 0.00                  |  |
| 18,400.00             | 90.00           | 359.48      | 8,469.00              | 9,801.10     | 1,050.89     | 9,857.08                | 0.00                    | 0.00                   | 0.00                  |  |
| 18,500.00             | 90.00           | 359.48      | 8,469.00              | 9,901.09     | 1,049.98     | 9,956.48                | 0.00                    | 0.00                   | 0.00                  |  |
| 18,600.00             | 90.00           | 359.48      | 8,469.00              | 10,001.09    | 1,049.07     | 10,055.88               | 0.00                    | 0.00                   | 0.00                  |  |
| 18,700.00             | 90.00           | 359.48      | 8,469.00              | 10,101.08    | 1,048.16     | 10,155.28               | 0.00                    | 0.00                   | 0.00                  |  |
| 18,800.00             | 90.00           | 359.48      | 8,469.00              | 10,201.08    | 1,047.25     | 10,254.68               | 0.00                    | 0.00                   | 0.00                  |  |
| 18,900.00             | 90.00           | 359.48      | 8,469.00              | 10,301.07    | 1,046.34     | 10,354.08               | 0.00                    | 0.00                   | 0.00                  |  |
| 18,966.71             | 90.00           | 359.48      | 8,469.00              | 10,367.78    | 1,045.73     | 10,420.38               | 0.00                    | 0.00                   | 0.00                  |  |
| TD at 18966.71        |                 |             |                       |              |              |                         |                         |                        |                       |  |

| Design Targets                                                                                                                  |               |              |            |              |              |                 |                |                    |                    |  |
|---------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|--------------------|--------------------|--|
| Target Name                                                                                                                     | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude           | Longitude          |  |
| TP - OSC 133H<br>- hit/miss target<br>- Shape<br>- plan hits target center<br>- Point                                           | 0.00          | 5.76         | 8,469.00   | 2,375.49     | 1,090.92     | 485,128.08      | 543,966.24     | 32° 20' 1.278784 N | 4° 19' 29.360064 W |  |
| FTP/PP1 - OSC 133H<br>- plan misses target center by 160.15usft at 8450.35usft MD (8349.95 TVD, -110.17 N, 884.50 E)<br>- Point | 0.00          | 0.00         | 8,469.00   | -217.13      | 890.26       | 482,535.46      | 543,765.58     | 2° 19' 35.622655 N | 4° 19' 31.701097 W |  |
| PP2 - OSC 133H<br>- plan hits target center<br>- Point                                                                          | 0.00          | 5.76         | 8,469.00   | 5,036.60     | 1,094.18     | 487,789.19      | 543,969.50     | 2° 20' 27.612849 N | 4° 19' 29.319569 W |  |
| LTP/BHL - OSC 133H<br>- plan hits target center<br>- Point                                                                      | 0.00          | 5.76         | 8,469.00   | 10,367.78    | 1,045.73     | 493,120.37      | 543,921.05     | 2° 21' 20.369551 N | 4° 19' 29.879480 W |  |



## Planning Report

# PERMIAN

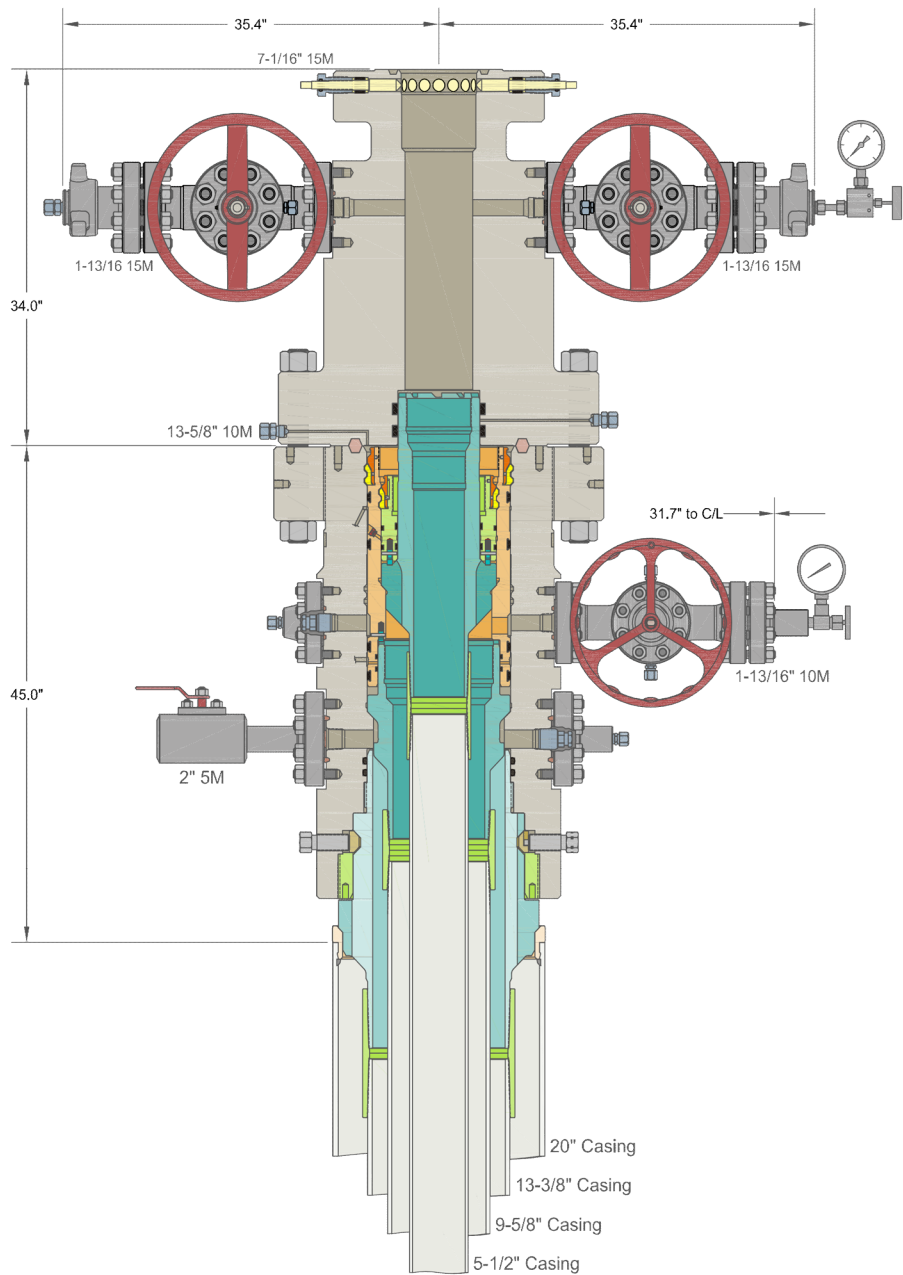
## RESOURCES

|                  |                               |                                     |                              |
|------------------|-------------------------------|-------------------------------------|------------------------------|
| <b>Database:</b> | USAEDMDB                      | <b>Local Co-ordinate Reference:</b> | Well Ocotillo State Com 133H |
| <b>Company:</b>  | Permian Resources             | <b>TVD Reference:</b>               | RKB @ 3437.00usft (H&P 425)  |
| <b>Project:</b>  | Eddy County, NM (NAD83 - NME) | <b>MD Reference:</b>                | RKB @ 3437.00usft (H&P 425)  |
| <b>Site:</b>     | Ocotillo State Com            | <b>North Reference:</b>             | Grid                         |
| <b>Well:</b>     | Ocotillo State Com 133H       | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Wellbore:</b> | OH                            |                                     |                              |
| <b>Design:</b>   | Plan 1 07-30-25               |                                     |                              |

| Formations            |                       |                         |           |         |                   |  |
|-----------------------|-----------------------|-------------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                    | Lithology | Dip (°) | Dip Direction (°) |  |
| 342.00                | 342.00                | Salt                    |           |         |                   |  |
| 452.00                | 452.00                | Capitan                 |           |         |                   |  |
| 1,634.38              | 1,628.00              | Lamar                   |           |         |                   |  |
| 1,676.68              | 1,670.00              | Bell Canyon             |           |         |                   |  |
| 2,396.74              | 2,385.00              | Cherry Canyon           |           |         |                   |  |
| 3,322.25              | 3,304.00              | Brushy Canyon           |           |         |                   |  |
| 4,926.52              | 4,897.00              | Bone Spring Lime        |           |         |                   |  |
| 5,833.90              | 5,798.00              | First Bone Spring Sand  |           |         |                   |  |
| 6,252.85              | 6,214.00              | Second Bone Spring Sand |           |         |                   |  |
| 6,475.41              | 6,435.00              | Third Bone Spring Carb  |           |         |                   |  |
| 8,190.59              | 8,136.00              | Third Bone Spring Sand  |           |         |                   |  |
| 8,657.01              | 8,449.00              | TBSG SD TGT/T           |           |         |                   |  |

| Plan Annotations      |                       |                   |              |                                  |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                          |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                  |
| 500.00                | 500.00                | 0.00              | 0.00         | KOP, Begin 2.00°/100' Build      |
| 839.87                | 839.07                | -6.18             | 19.17        | Hold 6.80° Inc at 107.86° Azm    |
| 8,033.03              | 7,981.67              | -267.31           | 829.50       | KOP2, Begin 12.00°/100' Build    |
| 8,796.16              | 8,469.00              | 204.18            | 922.70       | LP, Hold 90.00° Inc at 4.43° Azm |
| 10,973.97             | 8,469.00              | 2,375.49          | 1,090.92     | Begin 2.00°/100' Turn            |
| 11,201.70             | 8,469.00              | 2,602.99          | 1,099.47     | Hold 359.88° Azm                 |
| 13,635.31             | 8,469.00              | 5,036.60          | 1,094.18     | Begin 2.00°/100' Turn            |
| 13,655.15             | 8,469.00              | 5,056.44          | 1,094.07     | Hold 359.48° Azm                 |
| 18,966.71             | 8,469.00              | 10,367.78         | 1,045.73     | TD at 18966.71                   |





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ALL DIMENSIONS APPROXIMATE

|                                                                                                                                                                              |       |                                               |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------|---------|
| CACTUS WELLHEAD LLC                                                                                                                                                          |       | CENTENNIAL RESOURCE DEVELOPMENT<br>LEE CO, NM |         |
| 20" x 13-3/8" x 9-5/8" x 5-1/2" 10M MBU-3T-CFL-R-DBLO System<br>With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head,<br>20" Landing Ring & Pin Down Mandrel Casing Hangers | DRAWN | DLE                                           | 10JUN20 |
|                                                                                                                                                                              | APPRV |                                               |         |
| DRAWING NO.                                                                                                                                                                  |       | HBE0000338                                    |         |

## Permian Resources

### Multi-Well Pad Batch Drilling Procedure

Surface Casing - PR intends to Batch set all surface casing to a depth approved in the APD. Surface Holes will be batch drilled by a 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 Surface hole to Approved Depth with Rig and perform wellbore cleanup cycles. Trip out and rack back drilling BHA.
2. Run and land planned surface casing see Illustration 1-1 Below to depth approved in APD.
3. Set packoff and test to 5k psi
4. Offline Cement
5. Install wellhead with pressure gauge and nightcap. Nightcap is shown on final wellhead Stack up Illustration #2-2.
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.

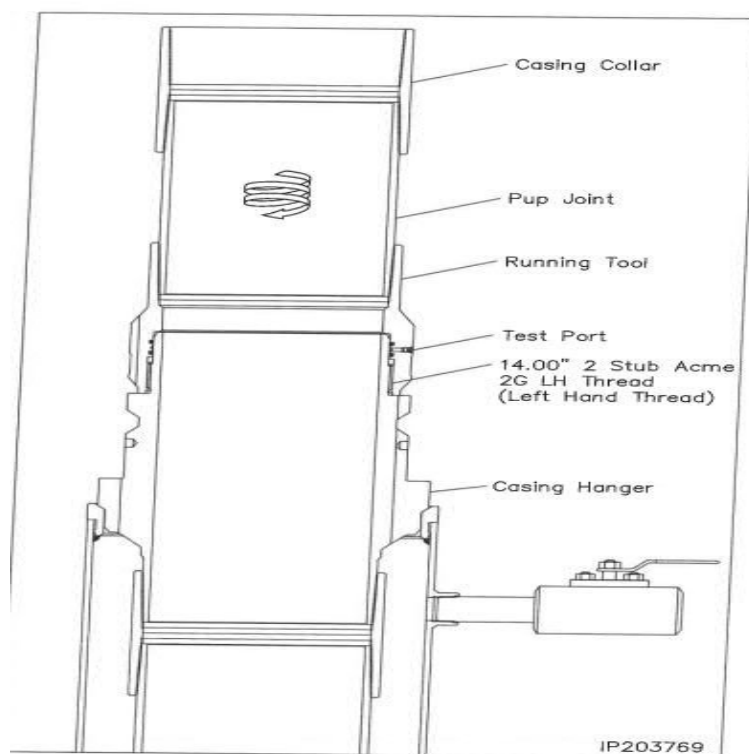


Illustration 1-1



# Connection Data Sheet

Issued on: May. 09, 2025

## 5.500" 17.00# P-110 RY (SeAH) Bushmaster® SP SC6.050

| Pipe Body Data            |              |
|---------------------------|--------------|
| Nominal OD                | 5.500 in.    |
| Wall Thickness            | 0.304 in.    |
| Weight                    | 17.00 lb/ft  |
| PE Weight                 | 16.89 lb/ft  |
| Nominal ID                | 4.892 in.    |
| Drift                     | 4.767 in.    |
| Minimum Yield Strength    | 110,000 psi  |
| Minimum Tensile Strength  | 125,000 psi  |
| Remaining Body Wall (RBW) | 95.0% Rating |

| Connection Data               |               |
|-------------------------------|---------------|
| Connection OD                 | 6.050 in.     |
| Connection ID                 | 4.892 in.     |
| Make-Up Loss                  | 4.209 in.     |
| Tension Efficiency            | 100.0% Rating |
| Compression Efficiency        | 100.0% Rating |
| Yield Strength in Tension     | 546,000 lbs   |
| Yield Strength in Compression | 546,000 lbs   |
| MIYP (Burst)                  | 11,550 psi    |
| Collapse                      | 7,480 psi     |
| Uniaxial Bending              | 91.7 °/100ft. |

| Make-up Torque        |   |                |
|-----------------------|---|----------------|
| Max. Operating Torque | - | 37,300 ft. lbs |
| Maximum Make-up       | - | 17,900 ft. lbs |
| Optimum Make-Up       | - | 16,300 ft. lbs |
| Minimum Make-Up       | - | 14,700 ft. lbs |

| Buck-on Torque  |   |                |
|-----------------|---|----------------|
| Maximum Make-Up | - | 19,900 ft. lbs |
| Optimum Make-Up | - | 18,100 ft. lbs |
| Minimum Make-Up | - | 16,300 ft. lbs |



For technical support please email [support@fermata-tech.com](mailto:support@fermata-tech.com) or call (281) 941-5257.

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Connection performance values pertain to structural capacity.

Intermediate Casing – PR intends to Batch set all intermediate casing strings to a depth approved in the APD. Intermediate Holes will be batch drilled by the rig. Appropriate notifications will be made prior to 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 surface casing 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.

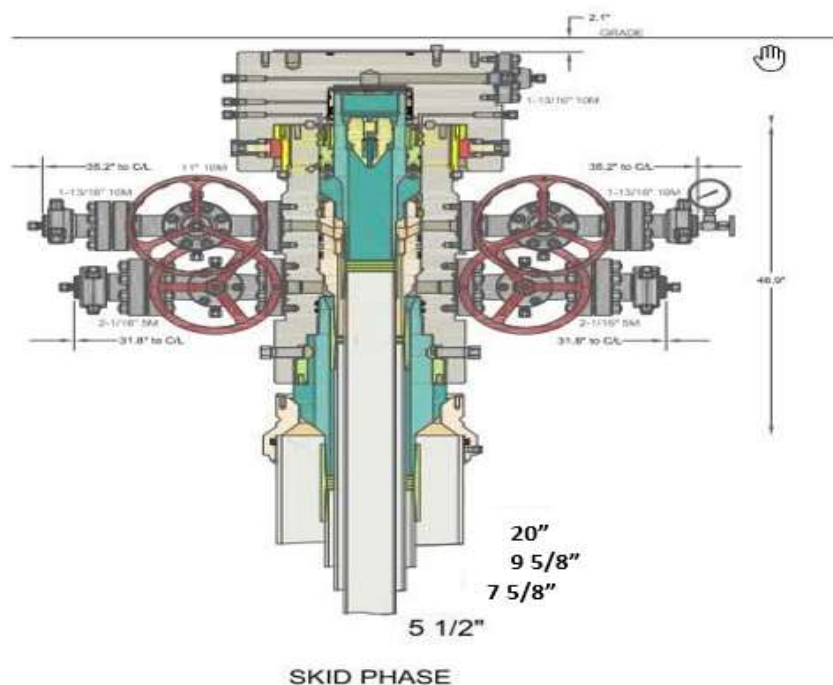


Illustration 2-2

Production Casing – PR intends to Batch set all Production casings with Rig. Appropriate notifications will be made prior Testing BOPE, and prior to running/cementing all casing strings.

1. Drilling 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 Production Casing.
6. Remove wear bushing then run Production casing to TD landing casing mandrel in wellhead.
7. Cement Production string 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 Production mandrel hanger – Nipple down BOPE and install nightcap.
10. Test nightcap void to 5,000 psi for 30 minutes per illustration 2-2
11. Skid rig to adjacent well on pad to drill production hole.





ContiTech Fluid Technology

| ContiTech Oil & Marine Corp. # 11535 Brittmoore Park Dr., Houston, TX<br>77041-6916 USA<br><br>CONSIGNEE / Ship-to address:<br><br>HELMERICH & PAYNE INT'L DRILLING CO<br>ATTN: FLEX RIG WHSE - B-BAY<br>210 MAGNOLIA DRIVE<br>GALENA PARK TX 77547 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Packing list / Delivery note</b><br>Document No. <b>71461553</b><br>Document Date 28.01.2022<br>Customer Number 11697<br>Customer VAT No.<br>Supplier Number<br>Purchase Order No. 740362040<br>Purchase Order Date 18.01.2022<br>Sales Order Number 1388153<br>Sales Order Date 18.01.2022<br><br>Unloading Point<br>RAN-No. |              |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| Buyer:<br><br>HELMERICH & PAYNE INT'L DRILLING CO<br>1437 SOUTH BOULDER<br>74119 TULSA                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Page 1 of 2</b><br>Weights (Gross / Net)<br>Total Gross Weight 2,507.000 LB<br>Total Net Weight 2,507.000 LB                                                                                                                                                                                                                  |              |              |
| Conditions<br><br>Incoterms EXW Houston<br>Ex Works                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                  |              |              |
| Item                                                                                                                                                                                                                                                | Material/Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quantity                                                                                                                                                                                                                                                                                                                         | Net Weight   | Gross Weight |
| 20                                                                                                                                                                                                                                                  | Buyer: Jack Peebles<br>E-mail: Jackie.Peebles@hpinc.com<br>Tel: 832-782-6000<br><br>Rig/Whse: HOW<br><b>00RECERTIFY</b><br>Recert of HP Hoses Serial# 67094<br>Commodity Code:<br>3" X 35 FT 10K Choke & Kill Hoses API 16C<br><br>End 1: 4 - 1/16" 10Kpsi API Spec 6A Type 6BX Flange<br>End 2: 4 - 1/16" 10Kpsi API Spec 6A Type 6BX Flange c/w BX155 ring groove each end<br>Standard: API Spec 16C - Monogrammed<br><br>Working Pressure: 10,000psi<br>Test Pressure: 15,000psi<br><br>Inspection & Certification includes:<br>External inspection of the hose & couplings<br>Internal boroscopic inspection of hose liner<br>Hydrostatic pressure test of hose assembly<br>Repair of any external damage to hose body and end connections (limited to minor repairs).<br>Clean & protect end connections Inspection Report<br>Disposal of hose assembly if hose fails inspection and recertification process.<br>Please Flush Hoses before sending them to our Facility. | 1 PC                                                                                                                                                                                                                                                                                                                             | 2,507.000 LB | 2,507.000 LB |

ContiTech Rubber Industrial Kft.  
 H-6728 Szeged Budapesti út 10.  
 P. O. Box 152 Szeged H-6701  
 Phone: (62)566-700, Fax: (62)566-713  
 Tax Number: 11087209-2-06  
 EU Community VAT: HU11087209  
 Registration No.: Cg. 0609-002502  
 Registry Court: Csongrád Megyei Cégbíróság

COMMERZBANK ZRT. (HUF)  
 H-1054 Budapest, Széchenyi rakpart 8.  
 H-1245 Budapest P.O. Box 1070  
 Account No.: 14220108-26830003  
 IBAN: HU83 1422 0108 2683 0003 0000 0000  
 SWIFT: COBA HU HXXX

COMMERZBANK AG Hannover (EUR)  
 30159 Hannover, Theaterstr. 11-12.  
 Account No.: 3 066 156 00  
 Sort Code: 250 400 66  
 BIC: COBADEFF250  
 IBAN: DE41250400660306615600

Record Rotary Hose sleeve number on the CBC Made Hose List!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!



## Hydrostatic Test Certificate

ContiTech

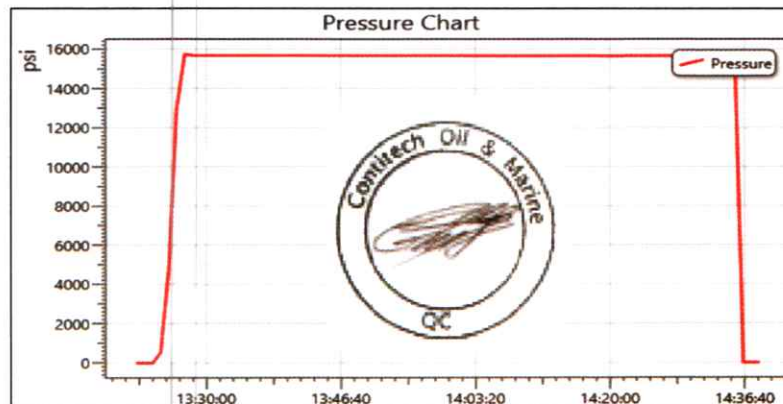
|                                                                                                                       |                                                                                  |                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Certificate Number</b><br>H100122                                                                                  | <b>COM Order Reference</b><br>1388153                                            | <b>Customer Name &amp; Address</b><br>HELMERICH & PAYNE DRILLING CO<br>1434 SOUTH BOULDER AVE<br>TULSA, OK 74119<br>USA |
| <b>Customer Purchase Order No:</b><br>740362040                                                                       |                                                                                  |                                                                                                                         |
| <b>Project:</b>                                                                                                       |                                                                                  |                                                                                                                         |
| <b>Test Center Address</b><br>ContiTech Oil & Marine Corp.<br>11535 Brittmoore Park Drive<br>Houston, TX 77041<br>USA | <b>Accepted by COM Inspection</b><br>Signed: Gerson Mejia-Lazo<br>Date: 02/09/22 | <b>Accepted by Client Inspection</b>                                                                                    |

We certify that the goods detailed hereon have been inspected as described below by our Quality Management System, and to the best of our knowledge are found to conform the requirements of the above referenced purchase order as issued to ContiTech Oil & Marine Corporation.

| Item | Part No.        | Description                              | Qty | Serial Number | Work. Press. (psi) | Test Press. (psi) | Test Time (minutes) |
|------|-----------------|------------------------------------------|-----|---------------|--------------------|-------------------|---------------------|
| 20   | RECERTIFICATION | 3" ID 10K Choke and Kill Hose x 35ft OAL | 1   | 67094         | 10,000             | 15,000            | 60                  |

| Record Information |                    |
|--------------------|--------------------|
| Start Time         | 1/27/2022 13:21:21 |
| End Time           | 1/27/2022 14:38:28 |
| Interval           | 00:01:00           |
| Number             | 78                 |
| MaxValue           | 15849              |
| MinValue           | -3                 |
| AvgValue           | 14240              |
| RecordName         | 67094-sh           |
| RecordNumber       | 199                |

| Gauge Information |              |
|-------------------|--------------|
| Model             | ADT680       |
| SN                | 21817380014  |
| Range             | (0-40000)psi |
| Unit              | psi          |



## Permian Resources BOP Break Testing Variance Procedure

Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE). Permian Resources requests a variance to ONLY test broken pressure seals on the BOPE and function test BOP when skidding a drilling rig between multiple wells on a pad.

### Background

Title 43 CFR 3172, Drilling Operations, Sections 6.b.9.iv states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. 43 CFR 3172.13, Variances from minimum standards states, "An operator may request the authorized officer to approve a variance from any of the minimum standards prescribed in [§§ 3172.6](#) through [3172.12](#). All such requests shall be submitted in writing to the appropriate authorized officer and provide information as to the circumstances which warrant approval of the variance(s) requested and the proposed alternative methods by which the related minimum standard(s) are to be satisfied. The authorized officer, after considering all relevant factors, if appropriate, may approve the requested variance(s) if it is determined that the proposed alternative(s) meet or exceed the objectives of the applicable minimum standard(s)." Permian Resources feels the break testing the BOPE is such a situation. Therefore, as per 43 CFR 3172.13, Permian Resources submits this request for the variance.

### Supporting Documentation

The language used in 43 CFR 3172 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time, there have been significant changes in drilling technology. The BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since 43 CFR 3172 was originally released. The Permian Resources drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

Figure 1: Winch System attached to BOP Stack





Figure 2: BOP Winch System



American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. 43 CFR 3172 recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, Well Control Equipment Systems for Drilling Wells (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

62

API STANDARD 53

Table C.4—Initial Pressure Testing, Surface BOP Stacks

| Component to be Pressure Tested                                                  | Pressure Test—Low Pressure <sup>a,c</sup><br>psig (MPa) | Pressure Test—High Pressure <sup>a,c</sup>                                 |                                                       |
|----------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------|
|                                                                                  |                                                         | Change Out of Component, Elastomer, or Ring Gasket                         | No Change Out of Component, Elastomer, or Ring Gasket |
| Annular preventer <sup>b</sup>                                                   | 250 to 350 (1.72 to 2.41)                               | RWP of annular preventer                                                   | MASP or 70% annular RWP, whichever is lower.          |
| Fixed pipe, variable bore, blind, and BSR preventers <sup>a,c</sup>              | 250 to 350 (1.72 to 2.41)                               | RWP of ram preventer or wellhead system, whichever is lower                | ITP                                                   |
| Choke and kill line and BOP side outlet valves below ram preventers (both sides) | 250 to 350 (1.72 to 2.41)                               | RWP of side outlet valve or wellhead system, whichever is lower            | ITP                                                   |
| Choke manifold—upstream of chokes <sup>a</sup>                                   | 250 to 350 (1.72 to 2.41)                               | RWP of ram preventers or wellhead system, whichever is lower               | ITP                                                   |
| Choke manifold—downstream of chokes <sup>a</sup>                                 | 250 to 350 (1.72 to 2.41)                               | RWP of valve(s), line(s), or MASP for the well program, whichever is lower |                                                       |
| Kelly, kelly valves, drill pipe safety valves, IBOPs                             | 250 to 350 (1.72 to 2.41)                               | MASP for the well program                                                  |                                                       |

<sup>a</sup> Pressure test evaluation periods shall be a minimum of five minutes.

No visible leaks.

The pressure shall remain stable during the evaluation period. The pressure shall not decrease below the intended test pressure.

<sup>b</sup> Annular(s) and VBR(s) shall be pressure tested on the largest and smallest OD drill pipe to be used in well program.

<sup>c</sup> For pad drilling operations, moving from one wellhead to another within the 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

<sup>d</sup> For surface offshore operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented during the initial test. For land operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented at commissioning and annually.

<sup>e</sup> Adjustable chokes are not required to be full sealing devices. Pressure testing against a closed choke is not required.

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specification and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations.

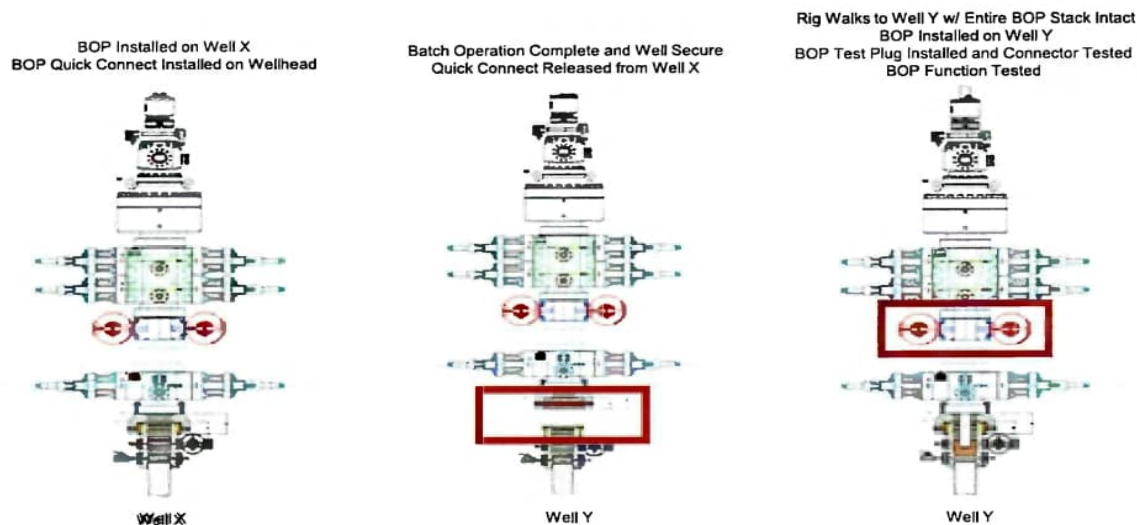
Break testing has been approved by the BLM in the past with other operators based on the detailed information provided in this document.

Permian Resources feels break testing and our current procedures meet the intent of 43 CFR 3172 and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. Permian Resources internal standards require complete BOPE tests more often than that of 43 CFR 3172 (every 21 days). In addition to function testing the annular, pipe rams and blind rams after each BOP nipple up, Permian Resources performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of 43 CFR 3172.

#### Procedures

- 1) Permian Resources will use this document for our break testing plan for New Mexico Delaware Basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
- 2) Permian Resources will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
  - a) A full BOP test will be conducted on the first well on the pad.
  - b) The first intermediate hole section drilled on the pad will be the deepest. All the remaining hole sections will be the same formation depth or shallower.
  - c) A full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
  - d) A full BOP test will be required prior to drilling any production hole.
- 3) After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
  - a) Between the HCV valve and choke line connection
  - b) Between the BOP quick connect and the wellhead
- 4) The BOP is then lifted and removed from the wellhead by a hydraulic system.
- 5) After skidding to the next well, the BOP is moved to the wellhead by the same hydraulic system and installed.
- 6) The connections mentioned in 3a and 3b will then be reconnected.
- 7) Install test plug into the wellhead using test joint or drill pipe.
- 8) A shell test is performed against the upper pipe rams testing the two breaks.
- 9) The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
- 10) Function tests will be performed on the following components: lower pipe rams, blind rams, and annular.
- 11) For a multi-well pad the same two breaks on the BOP would be made and on the next wells and steps 4 through 10 would be repeated.
- 12) A second break test would only be done if the intermediate hole section being drilled could not be completed within the 21 day BOP test window.

*Note: Picture below highlights BOP components that will be tested during batch operations*



### Summary

A variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API Standard 53 states, that for pad drilling operations, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

The BOP will be secured by a hydraulic carrier or cradle. The BLM will be contacted if a Well Control event occurs prior to the commencement of a BOPE Break Testing operation.

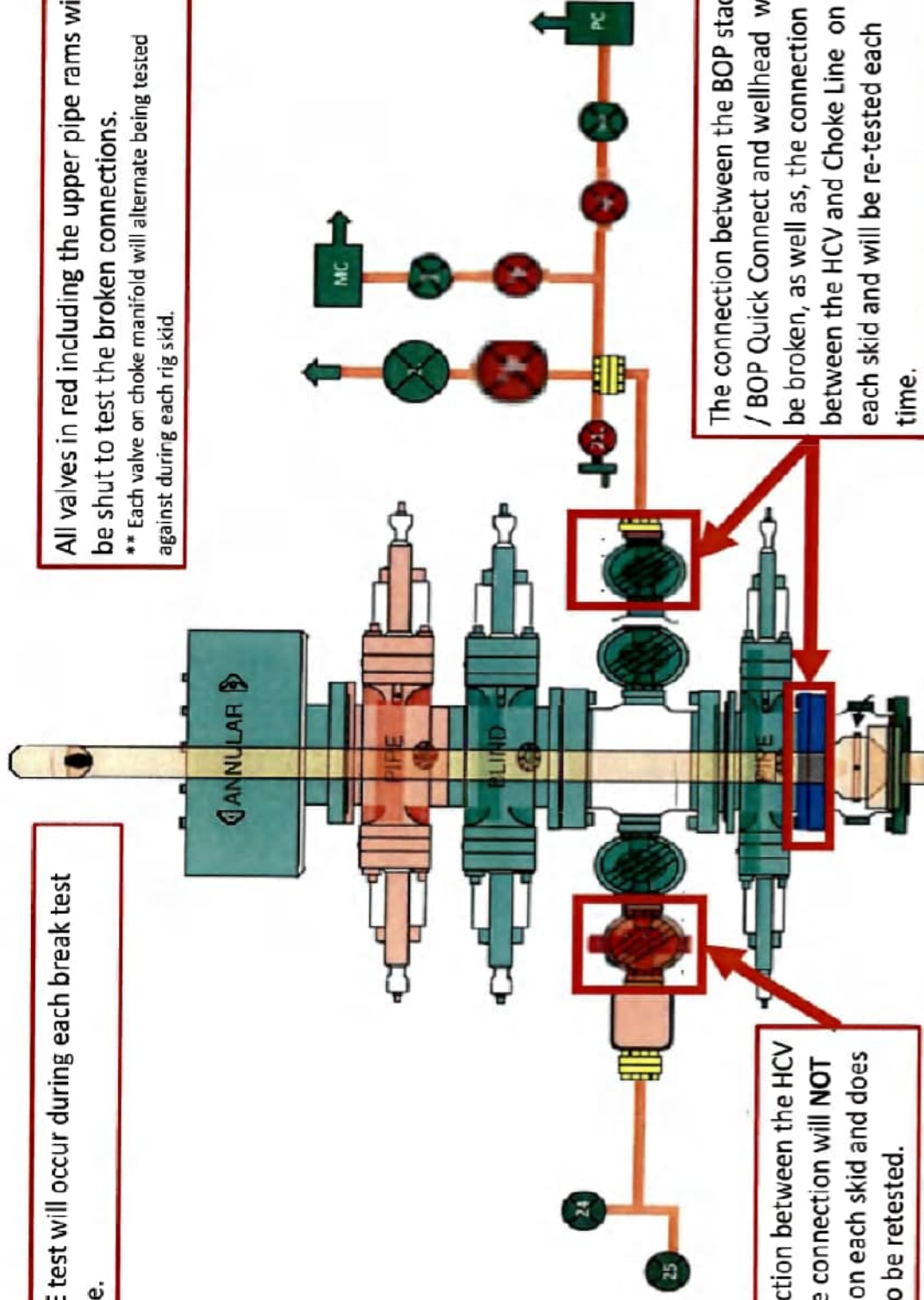
Based on public data and the supporting documentation submitted herein to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

- 1) After a full BOP test is conducted on the first well on the pad.
- 2) The first intermediate hole section drilled on the pad will be the deepest. All the remaining hole sections will be the same depth or shallower.
- 3) A full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
- 4) A full BOP test will be required prior to drilling the production hole.



Only **ONE** test will occur during each break test procedure.

All valves in red including the upper pipe rams will be shut to test the broken connections.  
\*\* Each valve on choke manifold will alternate being tested against during each rig skid.

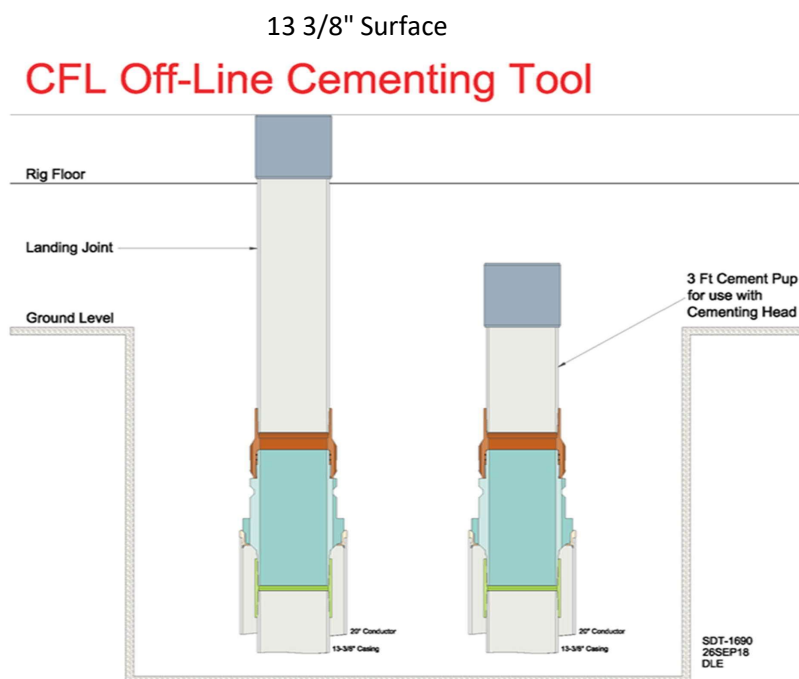


The connection between the HCV and kill line connection will **NOT** be broken on each skid and does not need to be retested.

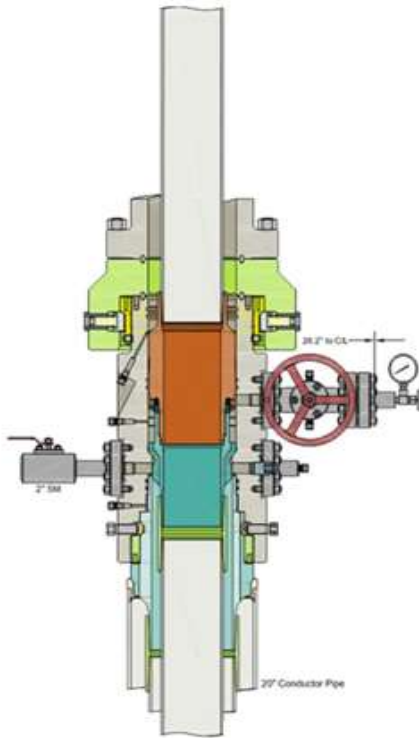
The connection between the BOP stack / BOP Quick Connect and wellhead will be broken, as well as, the connection between the HCV and Choke Line on each skid and will be re-tested each time.

### Permian Resources Offline Cementing Procedure Surface & Intermediate Casing

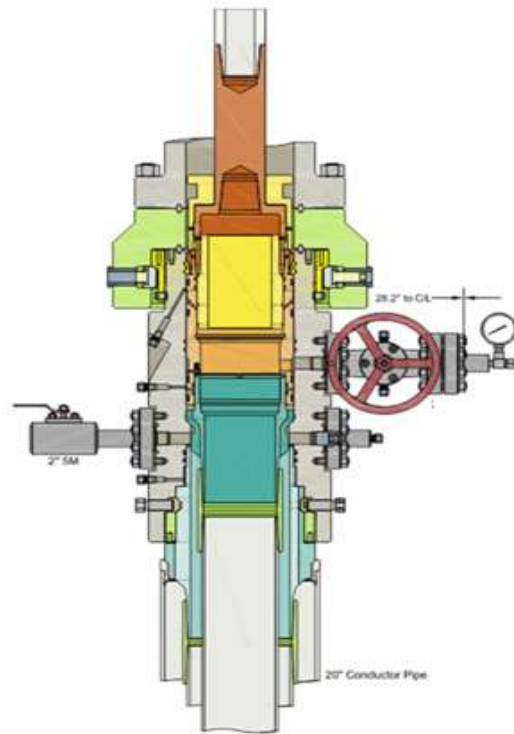
1. Drill hole to Total Depth with Rig and perform wellbore cleanup cycles.
2. Run and casing to Depth.
3. Land casing with mandrel.
4. Circulate 1.5 csg capacity.
5. Flow test – Confirm well is static and floats are holding.
6. Set Annular packoff and pressure test. Test to 5k.
7. Nipple down BOP and 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.



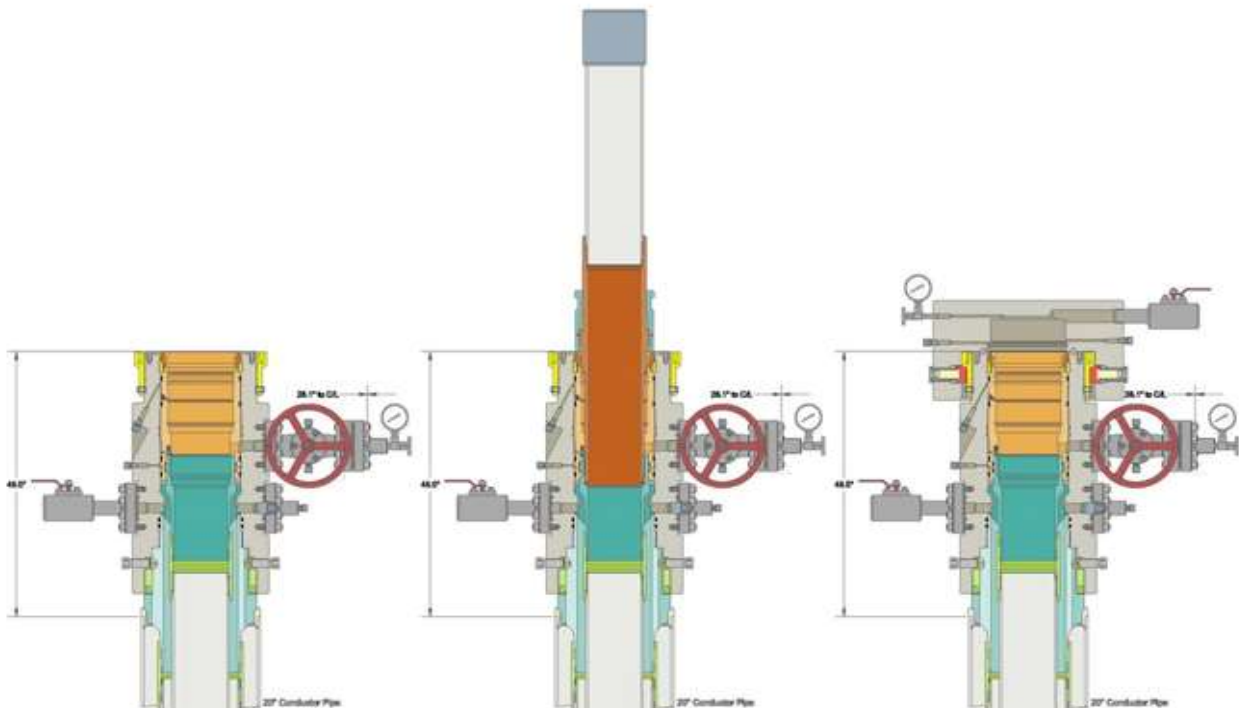
## Intermediate



Run 7 5/8" Casing  
Land Casing on 7 5/8" Mandrel Hanger  
Cement 7 5/8" Casing  
Retrieve Running Tool



Run 9 5/8" Packoff  
Test Upper and Lower Seals  
Engage Lockring  
Retrieve Running Tool





Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 490685

CONDITIONS

|                                                                                                     |                                                      |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>Permian Resources Operating, LLC<br>300 N. Marienfeld St Ste 1000<br>Midland, TX 79701 | OGRID:<br>372165                                     |
|                                                                                                     | Action Number:<br>490685                             |
|                                                                                                     | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By    | Condition                                                                        | Condition Date |
|---------------|----------------------------------------------------------------------------------|----------------|
| matthew.gomez | Administrative order required for non-standard spacing unit prior to production. | 8/6/2025       |
| matthew.gomez | Any previous COA's not addressed within the updated COA's still apply.           | 8/6/2025       |