

Santa Fe Main Office

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General Information

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Online Phone Directory Visit:

<https://www.emnrd.nm.gov/ocd/contact-us/>State of New Mexico  
Energy, Minerals and Natural ResourcesForm C-103  
Revised July 18, 2013OIL 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. 30-025-53056<br>5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/><br>6. State Oil & Gas Lease No. |
| 2. Name of Operator EOG RESOURCES, INC.                                                                                                                                                                                                                                                                                                         |  | 7. Lease Name or Unit Agreement Name<br>OSPREY 10<br>8. Well Number 501H                                                                                         |
| 3. Address of Operator P.O. Box 2267<br>Midland, Texas 79702                                                                                                                                                                                                                                                                                    |  | 9. OGRID Number 7377<br>10. Pool name or Wildcat<br>97369 - RED HILLS;BONE SPRING, EAST                                                                          |
| 4. Well Location<br>Unit Letter N : 140' feet from the SOUTH line and 1607' feet from the WEST line<br>Section 10 Township 25S Range 34E NMPM LEA County                                                                                                                                                                                        |  |                                                                                                                                                                  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3334' GR                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                  |

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

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐  
 CLOSED-LOOP SYSTEM ☐  
 OTHER: ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐  
 OTHER: ☐

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.

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:

OSPREY 10 510H (FKA 501H) API #: 30-025-53056

Change name from OSPREY 10 501H to OSPREY 10 510H.

Change BHL from T-25-S, R-34-E, Sec 3, 2540' FSL, 460' FWL, LEA Co., NM, to T-25-S, R-34-E, Sec 3, 2539' FSL, 723' FWL, LEA Co., N.M.

Change target formation to Second Bone Spring B. Update casing and cement program to current design.

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 Kayla McConnell TITLE REGULATORY SPECIALIST DATE 04/25/2025

Type or print name KAYLA MCCONNELL E-mail address: KAYLA\_MCCONNELL@EOGRESOURCES.COM PHONE: 432-265-6804

**For State Use Only**

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

Conditions of Approval (if any):



OSPREY 10 #510H  
LEA County, New Mexico  
Revised Wellbore

140' FSL  
1607' FWL  
Section 10  
T-25-S, R-34-E

KB: 3359'  
GL: 3334'

API: 30-025-53056

Bit Size: 13"  
10-3/4", 40.5#, J-55, STC  
@ 0' - 985' MD  
@ 0' - 985' TVD

Bit Size: 9-7/8"  
8-5/8", 32.#, J-55, BTC-SC  
@ 0' - 5,223' MD  
@ 0' - 5,161' TVD

Bit Size: 7-7/8" | Bit Size: 6-3/4"  
6", 24.5#, P110-EC, VAM Sprint-TC  
@ 0' - 10,723' MD  
@ 0' - 10,663' TVD  
5-1/2", 20.#, P110-EC, VAM Sprint SF  
@ 10,723' - 18,863' MD  
@ 10,663' - 11,240' TVD

KOP: 10,823' MD, 10,763' TVD  
EOC: 11,573' MD, 11,240' TVD

If production Bradenhead is performed,  
TOC will be at surface  
TOC @ 4,723', if performed  
conventionally.

Lateral: 18,863' MD, 11,240' TVD  
BH Location: 2539' FSL & 723' FWL  
Sec. 3 T-25-S R-34-E

**OSPREY 10 #510H****Permit Information:**

Well Name: OSPREY 10 510H

Location: SHL: 140' FSL &amp; 1607' FWL, Section 10, T-25-S, R-34-E, LEA Co., N.M.

BHL: 2539' FSL &amp; 723' FWL, Section 3, T-25-S, R-34-E, LEA Co., N.M.

**Casing Program:**

| Hole Size | Interval MD<br>From (ft) To (ft) |        | Interval TVD<br>From (ft) To (ft) |        | Csg OD  | Weight | Grade   | Conn          |
|-----------|----------------------------------|--------|-----------------------------------|--------|---------|--------|---------|---------------|
| 13"       | 0                                | 985    | 0                                 | 985    | 10-3/4" | 40.5#  | J-55    | STC           |
| 9-7/8"    | 0                                | 5,223  | 0                                 | 5,161  | 8-5/8"  | 32#    | J-55    | BTC-SC        |
| 7-7/8"    | 0                                | 10,723 | 0                                 | 10,663 | 6"      | 24.5#  | P110-EC | VAM Sprint-TC |
| 6-3/4"    | 10,723                           | 18,863 | 10,663                            | 11,240 | 5-1/2"  | 20#    | P110-EC | VAM Sprint SF |

\*\*For highlighted rows above, variance is requested to run entire string of either or casing string above due to availability.

**Cement Program:**

| Depth MD | No. Sacks | Wt. ppg | Yld Ft3/sk | Slurry Description                                              |
|----------|-----------|---------|------------|-----------------------------------------------------------------|
| 985'     | 220       | 13.5    | 1.73       | Class C/H + additives (TOC @ Surface)                           |
|          | 100       | 14.8    | 1.34       | Class C/H + additives                                           |
| 5,220'   | 430       | 12.7    | 1.11       | Tail: Class C/H + additives + expansion additives (TOC @ 2000') |
|          | 250       | 14.8    | 1.5        | Lead: Class C/H + additives (TOC @ 4,129')                      |
| 18,863'  | 820       | 10.5    | 3.21       | Lead: Class C/H + additives (TOC @ 4,723')                      |
|          | 960       | 13.2    | 1.52       | Tail: Class C/H + additives (TOC @ 10,823')                     |

**Mud Program:**

| Section      | Depth                       | Type        | Weight (ppg) | Viscosity | Water Loss |
|--------------|-----------------------------|-------------|--------------|-----------|------------|
| Surface      | 0 – 990'                    | Fresh - Gel | 8.6-9.2      | 28-34     | N/c        |
| Intermediate | 990' – 5,160'               | Brine       | 9.0-10.5     | 28-34     | N/c        |
| Production   | 5,160' – 18,863'<br>Lateral | Oil Base    | 8.8-9.5      | 58-68     | N/c - 6    |



## OSPREY 10 #510H

### TUBING REQUIREMENTS:

EOG respectfully requests an exception to the following NMOCD rule:

- 19.15.16.10 Casing AND TUBING REQUIREMENTS:  
J (3): "The operator shall set tubing as near the bottom as practical and tubing perforations shall not be more than 250 feet above top of pay zone."

With horizontal flowing and gas lifted wells an end of tubing depth placed at or slightly above KOP is a conservative way to ensure the tubing stays clean from debris, plugging, and allows for fewer well interventions post offset completion. The deeper the tubulars are run into the curve, the higher the probability is that the tubing will become stuck in sand and or well debris as the well produces over time. An additional consideration for EOT placement during artificial lift installations is avoiding the high dog leg severity and inclinations found in the curve section of the wellbore to help improve reliability and performance. Dog leg severity and inclinations tend not to hamper gas lifted or flowing wells, but they do effect other forms of artificial lift like rod pump or ESP (electric submersible pump). Keeping the EOT above KOP is an industry best practice for those respective forms of artificial lift.



## OSPREY 10 #510H

**GEOLOGIC NAME OF SURFACE FORMATION:**

Permian

**ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:**

|                        |         |
|------------------------|---------|
| Rustler                | 875'    |
| Tamarisk Anhydrite     | 960'    |
| Top of Salt            | 1,255'  |
| Base of Salt           | 5,061'  |
| Lamar                  | 5,323'  |
| Bell Canyon            | 5,346'  |
| Cherry Canyon          | 6,301'  |
| Brushy Canyon          | 7,887'  |
| Bone Spring Lime       | 9,298'  |
| Leonard (Avalon) Shale | 9,335'  |
| 1st Bone Spring Sand   | 10,317' |
| 2nd Bone Spring Shale  | 10,533' |
| 2nd Bone Spring Sand   | 10,836' |
| 3rd Bone Spring Carb   | 11,372' |
| 3rd Bone Spring Sand   | 11,904' |
| TD                     | 11,240' |

**ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:**

|                        |                     |
|------------------------|---------------------|
| Upper Permian Sands    | 0- 400' Fresh Water |
| Lamar                  | 5,323' Oil          |
| Cherry Canyon          | 6,301' Oil          |
| Brushy Canyon          | 7,887' Oil          |
| Bone Spring Lime       | 9,298' Oil          |
| Leonard (Avalon) Shale | 9,335' Oil          |
| 1st Bone Spring Sand   | 10,317' Oil         |
| 2nd Bone Spring Shale  | 10,533' Oil         |
| 2nd Bone Spring Sand   | 10,836' Oil         |



## EOG Batch Casing

Pad Name: Osprey 10

SHL: Section 10, Township 25-S, Range 34-E, LEA County, NM

| Well Name              | API #        | Surface |     | Intermediate |        | Production |        |
|------------------------|--------------|---------|-----|--------------|--------|------------|--------|
|                        |              | MD      | TVD | MD           | TVD    | MD         | TVD    |
| OSPNEY 10 #1H          | 30-025-***** | 985     | 985 | 5,179        | 5,161  | 16,680     | 9,100  |
| OSPNEY 10 #111H        | 30-025-***** | 985     | 985 | 5,218        | 5,161  | 17,108     | 9,490  |
| OSPNEY 10 #112H        | 30-025-***** | 985     | 985 | 5,173        | 5,161  | 17,065     | 9,490  |
| OSPNEY 10 #113H        | 30-025-***** | 985     | 985 | 5,260        | 5,161  | 17,150     | 9,490  |
| OSPNEY 10 #510H (501H) | 30-025-53056 | 985     | 985 | 5,223        | 5,161  | 18,863     | 11,240 |
| OSPNEY 10 #511H (502H) | 30-025-53057 | 985     | 985 | 5,163        | 5,161  | 18,805     | 11,240 |
| OSPNEY 10 #512H        | 30-025-***** | 985     | 985 | 5,461        | 5,161  | 19,077     | 11,240 |
| OSPNEY 10 #520H (101H) | 30-025-53053 | 985     | 985 | 5,280        | 5,161  | 19,049     | 11,372 |
| OSPNEY 10 #521H (102H) | 30-025-53054 | 985     | 985 | 5,178        | 5,161  | 18,952     | 11,372 |
| OSPNEY 10 #522H        | 30-025-***** | 985     | 985 | 5,640        | 5,161  | 19,354     | 11,372 |
| OSPNEY 10 #523H        | 30-025-***** | 985     | 985 | 5,352        | 5,161  | 19,114     | 11,372 |
| OSPNEY 10 #524H        | 30-025-***** | 985     | 985 | 5,378        | 5,161  | 19,138     | 11,372 |
| OSPNEY 10 #581H        | 30-025-***** | 985     | 985 | 5,472        | 5,161  | 19,694     | 11,848 |
| OSPNEY 10 #597H        | 30-025-***** | 985     | 985 | 11,671       | 11,472 | 19,655     | 11,904 |
| OSPNEY 10 #613H        | 30-025-***** | 985     | 985 | 11,711       | 11,472 | 19,800     | 12,015 |
| OSPNEY 10 #614H        | 30-025-***** | 985     | 985 | 11,717       | 11,472 | 19,806     | 12,015 |



## EOG Batch Casing

**GEOLOGIC NAME OF SURFACE FORMATION:**

Permian

**ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:**

|                        |         |
|------------------------|---------|
| Rustler                | 875'    |
| Tamarisk Anhydrite     | 960'    |
| Top of Salt            | 1,255'  |
| Base of Salt           | 5,061'  |
| Lamar                  | 5,323'  |
| Bell Canyon            | 5,346'  |
| Cherry Canyon          | 6,301'  |
| Brushy Canyon          | 7,887'  |
| Bone Spring Lime       | 9,298'  |
| Leonard (Avalon) Shale | 9,335'  |
| 1st Bone Spring Sand   | 10,317' |
| 2nd Bone Spring Shale  | 10,533' |
| 2nd Bone Spring Sand   | 10,836' |
| 3rd Bone Spring Carb   | 11,372' |
| 3rd Bone Spring Sand   | 11,904' |

**ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:**

|                        |         |             |
|------------------------|---------|-------------|
| Upper Permian Sands    | 0- 400' | Fresh Water |
| Bell Canyon            | 5,346'  | Oil         |
| Cherry Canyon          | 6,301'  | Oil         |
| Brushy Canyon          | 7,887'  | Oil         |
| Leonard (Avalon) Shale | 9,335'  | Oil         |
| 1st Bone Spring Sand   | 10,317' | Oil         |
| 2nd Bone Spring Shale  | 10,533' | Oil         |
| 2nd Bone Spring Sand   | 10,836' | Oil         |

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting surface casing at 990' and circulating cement back to surface.

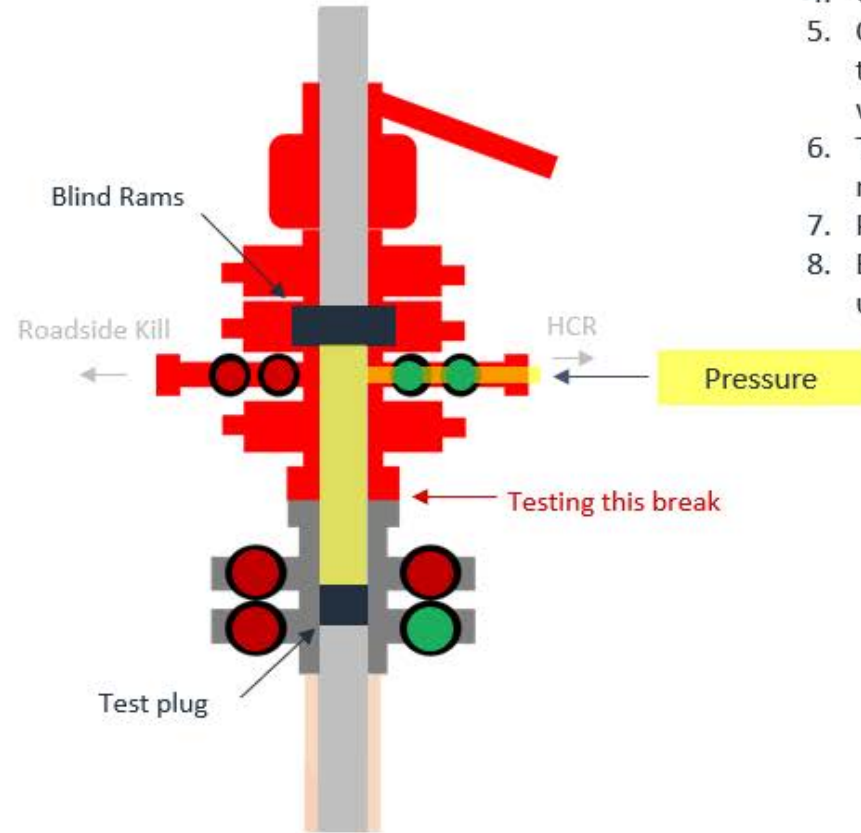
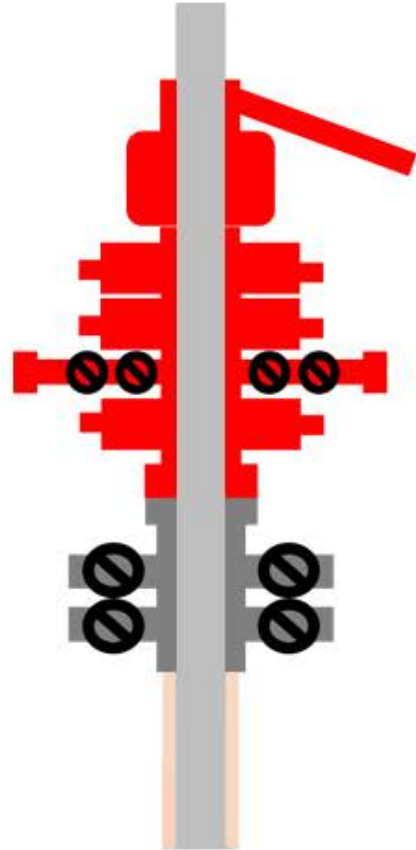
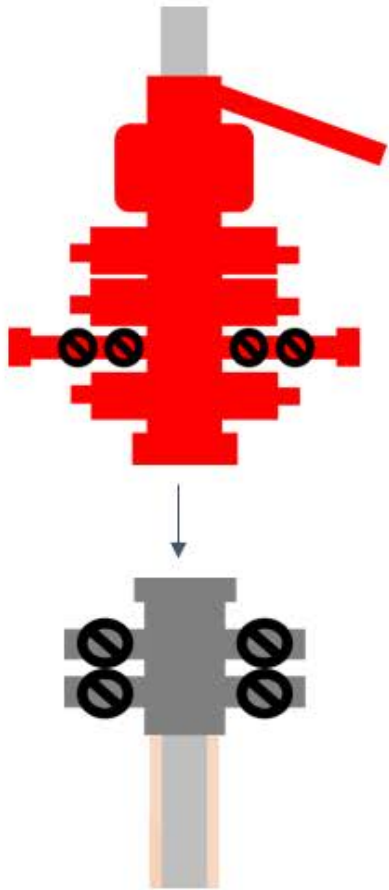
**Break-test BOP & Offline Cementing:**

EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of ECFR Title 43 Part 3172.6(b)(9)(iv) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 30 days.
- This test will be conducted for 5M rated hole intervals only.
- Each rig requesting the break-test variance is capable of picking up the BOP without damaging components using winches, following API Standard 53, Well Control Equipment Systems for Drilling Wells (Fifth edition, December 2018, Annex C. Table C.4) which recognizes break testing as an acceptable practice.
- Function tests will be performed on the following BOP elements:
  - Annular during each full BOPE test
  - Upper Pipe Rams On trip ins where FIT required
  - Blind Rams Every trip
  - Lower Pipe Rams during each full BOPE test
- Break testing BOP and BOPE coupled with batch drilling operations and option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.



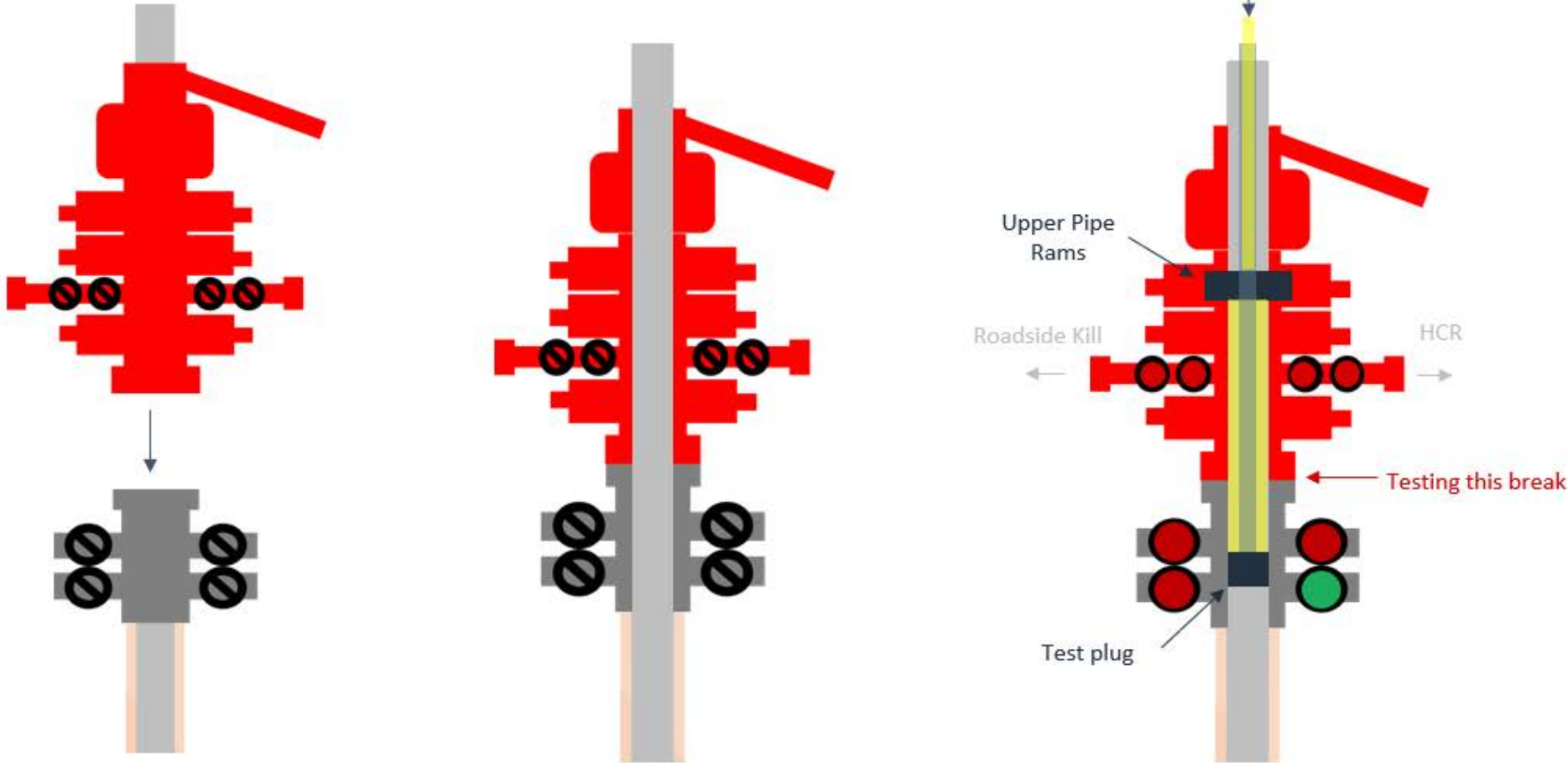
# Break Test Diagram (HCR valve)



## Steps

1. Set plug in wellhead (lower barrier)
2. Close Blind Rams (upper barrier)
3. Close roadside kill
4. Open HCR (pressure application)
5. Open wellhead valves below test plug to ensure if leak past test plug, pressure won't be applied to wellbore
6. Tie BOP testers high pressure line to main choke manifold crown valve
7. Pressure up to test break
8. Bleed test pressure from BOP testing unit

# Break Test Diagram (Test Joint)



## Steps

1. Set plug in with test joint wellhead (lower barrier)
2. Close Upper Pipe Rams (upper barrier)
3. Close roadside kill
4. Close HCR
5. Open wellhead valves below test plug to ensure if leak past test plug, pressure won't be applied to wellbore
6. Tie BOP testers high pressure line to top of test joint
7. Pressure up to test break
8. Bleed test pressure from BOP testing unit



## Midland

Lea County, NM (NAD 83 NME)

Osprey 10

#510H

OH

Plan: Plan #0.1 RT

## Standard Planning Report

21 April, 2025



## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | PEDMB                       | <b>Local Co-ordinate Reference:</b> | Well #510H            |
| <b>Company:</b>  | Midland                     | <b>TVD Reference:</b>               | kb = 26' @ 3360.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 26' @ 3360.0usft |
| <b>Site:</b>     | Osprey 10                   | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #510H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

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

|                       |           |              |                 |            |                   |
|-----------------------|-----------|--------------|-----------------|------------|-------------------|
| Site                  | Osprey 10 |              |                 |            |                   |
| Site Position:        |           | Northing:    | 415,148.00 usft | Latitude:  | 32° 8' 18.063 N   |
| From:                 | Map       | Easting:     | 809,711.00 usft | Longitude: | 103° 27' 58.640 W |
| Position Uncertainty: | 0.0 usft  | Slot Radius: | 13-3/16 "       |            |                   |

| Well                 | #510H |          |                     |                 |               |                   |
|----------------------|-------|----------|---------------------|-----------------|---------------|-------------------|
| Well Position        | +N/-S | 0.0 usft | Northing:           | 415,091.00 usft | Latitude:     | 32° 8' 17.372 N   |
|                      | +E/-W | 0.0 usft | Easting:            | 811,305.00 usft | Longitude:    | 103° 27' 40.108 W |
| Position Uncertainty |       | 0.0 usft | Wellhead Elevation: | usft            | Ground Level: | 3,334.0 usft      |
| Grid Convergence:    |       | 0.46 °   |                     |                 |               |                   |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <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> |
|                  | IGRF2025          | 4/21/2025          | 6.20                   | 59.70                | 47,004.41475204            |

|                          |                                |                     |                      |                      |  |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|--|
| <b>Design</b>            | Plan #0.1 RT                   |                     |                      |                      |  |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |  |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.0                  |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |  |
|                          | 0.0                            | 0.0                 | 0.0                  | 353.01               |  |

|                                 |                        |                          |                   |                |  |
|---------------------------------|------------------------|--------------------------|-------------------|----------------|--|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 4/21/2025                |                   |                |  |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>  | <b>Remarks</b> |  |
| 1                               | 0.0                    | 18,863.4                 | Plan #0.1 RT (OH) | EOG MWD+IFR1   |  |
|                                 |                        |                          |                   | MWD + IFR1     |  |



## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | PEDMB                       | <b>Local Co-ordinate Reference:</b> | Well #510H            |
| <b>Company:</b>  | Midland                     | <b>TVD Reference:</b>               | kb = 26' @ 3360.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 26' @ 3360.0usft |
| <b>Site:</b>     | Osprey 10                   | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #510H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target                |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                       |
| 1,085.0               | 0.00            | 0.00        | 1,085.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                       |
| 1,480.1               | 7.90            | 263.80      | 1,478.9               | -2.9         | -27.0        | 2.00                    | 2.00                   | 0.00                  | 263.80  |                       |
| 7,552.0               | 7.90            | 263.80      | 7,493.1               | -93.1        | -857.0       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                       |
| 7,947.2               | 0.00            | 0.00        | 7,887.0               | -96.0        | -884.0       | 2.00                    | -2.00                  | 0.00                  | 180.00  |                       |
| 10,822.7              | 0.00            | 0.00        | 10,762.5              | -96.0        | -884.0       | 0.00                    | 0.00                   | 0.00                  | 0.00    | KOP(Osprey 10 #510H)  |
| 11,043.1              | 26.46           | 0.00        | 10,975.2              | -46.0        | -884.0       | 12.00                   | 12.00                  | 0.00                  | 0.00    | FTP(Osprey 10 #510H)  |
| 11,572.6              | 90.00           | 359.58      | 11,239.9              | 381.5        | -886.2       | 12.00                   | 12.00                  | -0.08                 | -0.47   |                       |
| 18,863.4              | 90.00           | 359.58      | 11,240.0              | 7,672.0      | -940.0       | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL(Osprey 10 #510H) |



## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | PEDMB                       | <b>Local Co-ordinate Reference:</b> | Well #510H            |
| <b>Company:</b>  | Midland                     | <b>TVD Reference:</b>               | kb = 26' @ 3360.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 26' @ 3360.0usft |
| <b>Site:</b>     | Osprey 10                   | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #510H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                 | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                 | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                 | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,085.0               | 0.00            | 0.00        | 1,085.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0               | 0.30            | 263.80      | 1,100.0               | 0.0          | 0.0          | 0.0                     | 2.00                    | 2.00                   | 0.00                  |
| 1,200.0               | 2.30            | 263.80      | 1,200.0               | -0.2         | -2.3         | 0.0                     | 2.00                    | 2.00                   | 0.00                  |
| 1,300.0               | 4.30            | 263.80      | 1,299.8               | -0.9         | -8.0         | 0.1                     | 2.00                    | 2.00                   | 0.00                  |
| 1,400.0               | 6.30            | 263.80      | 1,399.4               | -1.9         | -17.2        | 0.2                     | 2.00                    | 2.00                   | 0.00                  |
| 1,480.1               | 7.90            | 263.80      | 1,478.9               | -2.9         | -27.0        | 0.4                     | 2.00                    | 2.00                   | 0.00                  |
| 1,500.0               | 7.90            | 263.80      | 1,498.6               | -3.2         | -29.8        | 0.4                     | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0               | 7.90            | 263.80      | 1,597.6               | -4.7         | -43.4        | 0.6                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0               | 7.90            | 263.80      | 1,696.7               | -6.2         | -57.1        | 0.8                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0               | 7.90            | 263.80      | 1,795.7               | -7.7         | -70.8        | 1.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0               | 7.90            | 263.80      | 1,894.8               | -9.2         | -84.4        | 1.2                     | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0               | 7.90            | 263.80      | 1,993.8               | -10.7        | -98.1        | 1.4                     | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0               | 7.90            | 263.80      | 2,092.9               | -12.1        | -111.8       | 1.5                     | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0               | 7.90            | 263.80      | 2,191.9               | -13.6        | -125.4       | 1.7                     | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0               | 7.90            | 263.80      | 2,291.0               | -15.1        | -139.1       | 1.9                     | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0               | 7.90            | 263.80      | 2,390.0               | -16.6        | -152.8       | 2.1                     | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0               | 7.90            | 263.80      | 2,489.1               | -18.1        | -166.4       | 2.3                     | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0               | 7.90            | 263.80      | 2,588.1               | -19.6        | -180.1       | 2.5                     | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0               | 7.90            | 263.80      | 2,687.2               | -21.0        | -193.8       | 2.7                     | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0               | 7.90            | 263.80      | 2,786.2               | -22.5        | -207.4       | 2.9                     | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0               | 7.90            | 263.80      | 2,885.3               | -24.0        | -221.1       | 3.1                     | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0               | 7.90            | 263.80      | 2,984.3               | -25.5        | -234.8       | 3.2                     | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0               | 7.90            | 263.80      | 3,083.4               | -27.0        | -248.5       | 3.4                     | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 7.90            | 263.80      | 3,182.4               | -28.5        | -262.1       | 3.6                     | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 7.90            | 263.80      | 3,281.5               | -29.9        | -275.8       | 3.8                     | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 7.90            | 263.80      | 3,380.5               | -31.4        | -289.5       | 4.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 7.90            | 263.80      | 3,479.6               | -32.9        | -303.1       | 4.2                     | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 7.90            | 263.80      | 3,578.6               | -34.4        | -316.8       | 4.4                     | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 7.90            | 263.80      | 3,677.7               | -35.9        | -330.5       | 4.6                     | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 7.90            | 263.80      | 3,776.7               | -37.4        | -344.1       | 4.8                     | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 7.90            | 263.80      | 3,875.8               | -38.9        | -357.8       | 4.9                     | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 7.90            | 263.80      | 3,974.8               | -40.3        | -371.5       | 5.1                     | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 7.90            | 263.80      | 4,073.9               | -41.8        | -385.1       | 5.3                     | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0               | 7.90            | 263.80      | 4,172.9               | -43.3        | -398.8       | 5.5                     | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0               | 7.90            | 263.80      | 4,272.0               | -44.8        | -412.5       | 5.7                     | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 7.90            | 263.80      | 4,371.0               | -46.3        | -426.1       | 5.9                     | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 7.90            | 263.80      | 4,470.1               | -47.8        | -439.8       | 6.1                     | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 7.90            | 263.80      | 4,569.1               | -49.2        | -453.5       | 6.3                     | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 7.90            | 263.80      | 4,668.2               | -50.7        | -467.1       | 6.5                     | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 7.90            | 263.80      | 4,767.2               | -52.2        | -480.8       | 6.6                     | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 7.90            | 263.80      | 4,866.3               | -53.7        | -494.5       | 6.8                     | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 7.90            | 263.80      | 4,965.3               | -55.2        | -508.1       | 7.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 7.90            | 263.80      | 5,064.4               | -56.7        | -521.8       | 7.2                     | 0.00                    | 0.00                   | 0.00                  |



## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | PEDMB                       | <b>Local Co-ordinate Reference:</b> | Well #510H            |
| <b>Company:</b>  | Midland                     | <b>TVD Reference:</b>               | kb = 26' @ 3360.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 26' @ 3360.0usft |
| <b>Site:</b>     | Osprey 10                   | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #510H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,200.0               | 7.90            | 263.80      | 5,163.4               | -58.2        | -535.5       | 7.4                     | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0               | 7.90            | 263.80      | 5,262.5               | -59.6        | -549.1       | 7.6                     | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0               | 7.90            | 263.80      | 5,361.5               | -61.1        | -562.8       | 7.8                     | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0               | 7.90            | 263.80      | 5,460.6               | -62.6        | -576.5       | 8.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0               | 7.90            | 263.80      | 5,559.6               | -64.1        | -590.1       | 8.2                     | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0               | 7.90            | 263.80      | 5,658.7               | -65.6        | -603.8       | 8.3                     | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0               | 7.90            | 263.80      | 5,757.7               | -67.1        | -617.5       | 8.5                     | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0               | 7.90            | 263.80      | 5,856.8               | -68.5        | -631.2       | 8.7                     | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0               | 7.90            | 263.80      | 5,955.8               | -70.0        | -644.8       | 8.9                     | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0               | 7.90            | 263.80      | 6,054.9               | -71.5        | -658.5       | 9.1                     | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0               | 7.90            | 263.80      | 6,153.9               | -73.0        | -672.2       | 9.3                     | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0               | 7.90            | 263.80      | 6,253.0               | -74.5        | -685.8       | 9.5                     | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0               | 7.90            | 263.80      | 6,352.0               | -76.0        | -699.5       | 9.7                     | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0               | 7.90            | 263.80      | 6,451.1               | -77.4        | -713.2       | 9.9                     | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0               | 7.90            | 263.80      | 6,550.1               | -78.9        | -726.8       | 10.0                    | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0               | 7.90            | 263.80      | 6,649.2               | -80.4        | -740.5       | 10.2                    | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0               | 7.90            | 263.80      | 6,748.2               | -81.9        | -754.2       | 10.4                    | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0               | 7.90            | 263.80      | 6,847.3               | -83.4        | -767.8       | 10.6                    | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0               | 7.90            | 263.80      | 6,946.3               | -84.9        | -781.5       | 10.8                    | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0               | 7.90            | 263.80      | 7,045.4               | -86.4        | -795.2       | 11.0                    | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0               | 7.90            | 263.80      | 7,144.4               | -87.8        | -808.8       | 11.2                    | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0               | 7.90            | 263.80      | 7,243.5               | -89.3        | -822.5       | 11.4                    | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0               | 7.90            | 263.80      | 7,342.5               | -90.8        | -836.2       | 11.6                    | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0               | 7.90            | 263.80      | 7,441.6               | -92.3        | -849.8       | 11.7                    | 0.00                    | 0.00                   | 0.00                  |
| 7,552.0               | 7.90            | 263.80      | 7,493.1               | -93.1        | -857.0       | 11.8                    | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0               | 6.94            | 263.80      | 7,540.7               | -93.7        | -863.1       | 11.9                    | 2.00                    | -2.00                  | 0.00                  |
| 7,700.0               | 4.94            | 263.80      | 7,640.1               | -94.8        | -873.4       | 12.1                    | 2.00                    | -2.00                  | 0.00                  |
| 7,800.0               | 2.94            | 263.80      | 7,739.9               | -95.6        | -880.2       | 12.2                    | 2.00                    | -2.00                  | 0.00                  |
| 7,900.0               | 0.94            | 263.80      | 7,839.8               | -96.0        | -883.6       | 12.2                    | 2.00                    | -2.00                  | 0.00                  |
| 7,947.2               | 0.00            | 0.00        | 7,887.0               | -96.0        | -884.0       | 12.2                    | 2.00                    | -2.00                  | 0.00                  |
| 8,000.0               | 0.00            | 0.00        | 7,939.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0               | 0.00            | 0.00        | 8,039.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0               | 0.00            | 0.00        | 8,139.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0               | 0.00            | 0.00        | 8,239.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0               | 0.00            | 0.00        | 8,339.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0               | 0.00            | 0.00        | 8,439.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0               | 0.00            | 0.00        | 8,539.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0               | 0.00            | 0.00        | 8,639.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0               | 0.00            | 0.00        | 8,739.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0               | 0.00            | 0.00        | 8,839.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0               | 0.00            | 0.00        | 8,939.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0               | 0.00            | 0.00        | 9,039.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0               | 0.00            | 0.00        | 9,139.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,300.0               | 0.00            | 0.00        | 9,239.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0               | 0.00            | 0.00        | 9,339.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0               | 0.00            | 0.00        | 9,439.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0               | 0.00            | 0.00        | 9,539.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0               | 0.00            | 0.00        | 9,639.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0               | 0.00            | 0.00        | 9,739.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 0.00            | 0.00        | 9,839.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 0.00            | 0.00        | 9,939.8               | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 0.00            | 0.00        | 10,039.8              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 0.00            | 0.00        | 10,139.8              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 0.00            | 0.00        | 10,239.8              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |





## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | PEDMB                       | <b>Local Co-ordinate Reference:</b> | Well #510H            |
| <b>Company:</b>  | Midland                     | <b>TVD Reference:</b>               | kb = 26' @ 3360.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 26' @ 3360.0usft |
| <b>Site:</b>     | Osprey 10                   | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #510H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 10,400.0              | 0.00            | 0.00        | 10,339.8              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 0.00            | 0.00        | 10,439.8              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 0.00            | 0.00        | 10,539.8              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0              | 0.00            | 0.00        | 10,639.8              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 0.00            | 0.00        | 10,739.8              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,822.7              | 0.00            | 0.00        | 10,762.5              | -96.0        | -884.0       | 12.2                    | 0.00                    | 0.00                   | 0.00                  |
| 10,825.0              | 0.28            | 0.00        | 10,764.8              | -96.0        | -884.0       | 12.2                    | 12.00                   | 12.00                  | 0.00                  |
| 10,850.0              | 3.28            | 0.00        | 10,789.8              | -95.2        | -884.0       | 13.0                    | 12.00                   | 12.00                  | 0.00                  |
| 10,875.0              | 6.28            | 0.00        | 10,814.7              | -93.1        | -884.0       | 15.1                    | 12.00                   | 12.00                  | 0.00                  |
| 10,900.0              | 9.28            | 0.00        | 10,839.5              | -89.7        | -884.0       | 18.4                    | 12.00                   | 12.00                  | 0.00                  |
| 10,925.0              | 12.28           | 0.00        | 10,864.1              | -85.1        | -884.0       | 23.1                    | 12.00                   | 12.00                  | 0.00                  |
| 10,950.0              | 15.28           | 0.00        | 10,888.3              | -79.1        | -884.0       | 29.0                    | 12.00                   | 12.00                  | 0.00                  |
| 10,975.0              | 18.28           | 0.00        | 10,912.3              | -71.9        | -884.0       | 36.1                    | 12.00                   | 12.00                  | 0.00                  |
| 11,000.0              | 21.28           | 0.00        | 10,935.8              | -63.4        | -884.0       | 44.5                    | 12.00                   | 12.00                  | 0.00                  |
| 11,025.0              | 24.28           | 0.00        | 10,958.8              | -53.8        | -884.0       | 54.1                    | 12.00                   | 12.00                  | 0.00                  |
| 11,043.1              | 26.46           | 0.00        | 10,975.2              | -46.0        | -884.0       | 61.8                    | 12.00                   | 12.00                  | 0.00                  |
| 11,050.0              | 27.28           | 359.99      | 10,981.3              | -42.9        | -884.0       | 64.9                    | 12.00                   | 12.00                  | -0.22                 |
| 11,075.0              | 30.28           | 359.94      | 11,003.3              | -30.9        | -884.0       | 76.9                    | 12.00                   | 12.00                  | -0.19                 |
| 11,100.0              | 33.28           | 359.90      | 11,024.5              | -17.7        | -884.0       | 90.0                    | 12.00                   | 12.00                  | -0.16                 |
| 11,125.0              | 36.28           | 359.86      | 11,045.0              | -3.4         | -884.1       | 104.1                   | 12.00                   | 12.00                  | -0.14                 |
| 11,150.0              | 39.28           | 359.83      | 11,064.8              | 11.9         | -884.1       | 119.3                   | 12.00                   | 12.00                  | -0.12                 |
| 11,175.0              | 42.28           | 359.81      | 11,083.7              | 28.2         | -884.1       | 135.5                   | 12.00                   | 12.00                  | -0.10                 |
| 11,200.0              | 45.28           | 359.79      | 11,101.8              | 45.5         | -884.2       | 152.7                   | 12.00                   | 12.00                  | -0.09                 |
| 11,225.0              | 48.28           | 359.76      | 11,118.9              | 63.7         | -884.3       | 170.8                   | 12.00                   | 12.00                  | -0.08                 |
| 11,250.0              | 51.28           | 359.75      | 11,135.0              | 82.8         | -884.4       | 189.8                   | 12.00                   | 12.00                  | -0.08                 |
| 11,275.0              | 54.28           | 359.73      | 11,150.1              | 102.7        | -884.5       | 209.5                   | 12.00                   | 12.00                  | -0.07                 |
| 11,300.0              | 57.28           | 359.71      | 11,164.2              | 123.4        | -884.6       | 230.1                   | 12.00                   | 12.00                  | -0.06                 |
| 11,325.0              | 60.28           | 359.70      | 11,177.2              | 144.8        | -884.7       | 251.3                   | 12.00                   | 12.00                  | -0.06                 |
| 11,350.0              | 63.28           | 359.68      | 11,189.0              | 166.8        | -884.8       | 273.2                   | 12.00                   | 12.00                  | -0.06                 |
| 11,375.0              | 66.28           | 359.67      | 11,199.6              | 189.4        | -884.9       | 295.6                   | 12.00                   | 12.00                  | -0.05                 |
| 11,400.0              | 69.28           | 359.66      | 11,209.1              | 212.6        | -885.0       | 318.6                   | 12.00                   | 12.00                  | -0.05                 |
| 11,425.0              | 72.28           | 359.64      | 11,217.3              | 236.2        | -885.2       | 342.1                   | 12.00                   | 12.00                  | -0.05                 |
| 11,450.0              | 75.28           | 359.63      | 11,224.3              | 260.2        | -885.3       | 365.9                   | 12.00                   | 12.00                  | -0.05                 |
| 11,475.0              | 78.28           | 359.62      | 11,230.0              | 284.5        | -885.5       | 390.1                   | 12.00                   | 12.00                  | -0.05                 |
| 11,500.0              | 81.28           | 359.61      | 11,234.4              | 309.1        | -885.7       | 414.5                   | 12.00                   | 12.00                  | -0.05                 |
| 11,525.0              | 84.28           | 359.60      | 11,237.6              | 333.9        | -885.8       | 439.1                   | 12.00                   | 12.00                  | -0.04                 |
| 11,550.0              | 87.28           | 359.59      | 11,239.4              | 358.8        | -886.0       | 463.9                   | 12.00                   | 12.00                  | -0.04                 |
| 11,572.6              | 90.00           | 359.58      | 11,239.9              | 381.5        | -886.2       | 486.4                   | 12.00                   | 12.00                  | -0.04                 |
| 11,600.0              | 90.00           | 359.58      | 11,239.9              | 408.8        | -886.4       | 513.6                   | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0              | 90.00           | 359.58      | 11,239.9              | 508.8        | -887.1       | 612.9                   | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 90.00           | 359.58      | 11,239.9              | 608.8        | -887.9       | 712.3                   | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 90.00           | 359.58      | 11,239.9              | 708.8        | -888.6       | 811.6                   | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0              | 90.00           | 359.58      | 11,239.9              | 808.8        | -889.3       | 911.0                   | 0.00                    | 0.00                   | 0.00                  |
| 12,100.0              | 90.00           | 359.58      | 11,239.9              | 908.8        | -890.1       | 1,010.3                 | 0.00                    | 0.00                   | 0.00                  |
| 12,200.0              | 90.00           | 359.58      | 11,240.0              | 1,008.8      | -890.8       | 1,109.6                 | 0.00                    | 0.00                   | 0.00                  |
| 12,300.0              | 90.00           | 359.58      | 11,240.0              | 1,108.8      | -891.6       | 1,209.0                 | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0              | 90.00           | 359.58      | 11,240.0              | 1,208.8      | -892.3       | 1,308.3                 | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0              | 90.00           | 359.58      | 11,240.0              | 1,308.8      | -893.0       | 1,407.7                 | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0              | 90.00           | 359.58      | 11,240.0              | 1,408.8      | -893.8       | 1,507.0                 | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0              | 90.00           | 359.58      | 11,240.0              | 1,508.8      | -894.5       | 1,606.4                 | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0              | 90.00           | 359.58      | 11,240.0              | 1,608.8      | -895.2       | 1,705.7                 | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0              | 90.00           | 359.58      | 11,240.0              | 1,708.8      | -896.0       | 1,805.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0              | 90.00           | 359.58      | 11,240.0              | 1,808.8      | -896.7       | 1,904.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 90.00           | 359.58      | 11,240.0              | 1,908.8      | -897.5       | 2,003.7                 | 0.00                    | 0.00                   | 0.00                  |





## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | PEDMB                       | <b>Local Co-ordinate Reference:</b> | Well #510H            |
| <b>Company:</b>  | Midland                     | <b>TVD Reference:</b>               | kb = 26' @ 3360.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 26' @ 3360.0usft |
| <b>Site:</b>     | Osprey 10                   | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #510H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| 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) |
| 13,200.0              | 90.00           | 359.58      | 11,240.0              | 2,008.8      | -898.2       | 2,103.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 90.00           | 359.58      | 11,240.0              | 2,108.8      | -898.9       | 2,202.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.00           | 359.58      | 11,240.0              | 2,208.8      | -899.7       | 2,301.8                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.00           | 359.58      | 11,240.0              | 2,308.8      | -900.4       | 2,401.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.00           | 359.58      | 11,240.0              | 2,408.8      | -901.1       | 2,500.5                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.00           | 359.58      | 11,240.0              | 2,508.8      | -901.9       | 2,599.8                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.00           | 359.58      | 11,240.0              | 2,608.8      | -902.6       | 2,699.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.00           | 359.58      | 11,240.0              | 2,708.8      | -903.4       | 2,798.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.00           | 359.58      | 11,240.0              | 2,808.7      | -904.1       | 2,897.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.00           | 359.58      | 11,240.0              | 2,908.7      | -904.8       | 2,997.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.00           | 359.58      | 11,240.0              | 3,008.7      | -905.6       | 3,096.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.00           | 359.58      | 11,240.0              | 3,108.7      | -906.3       | 3,195.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.00           | 359.58      | 11,240.0              | 3,208.7      | -907.1       | 3,295.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.00           | 359.58      | 11,240.0              | 3,308.7      | -907.8       | 3,394.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.00           | 359.58      | 11,240.0              | 3,408.7      | -908.5       | 3,493.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.00           | 359.58      | 11,240.0              | 3,508.7      | -909.3       | 3,593.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.00           | 359.58      | 11,240.0              | 3,608.7      | -910.0       | 3,692.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.00           | 359.58      | 11,240.0              | 3,708.7      | -910.7       | 3,792.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.00           | 359.58      | 11,240.0              | 3,808.7      | -911.5       | 3,891.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.00           | 359.58      | 11,240.0              | 3,908.7      | -912.2       | 3,990.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.00           | 359.58      | 11,240.0              | 4,008.7      | -913.0       | 4,090.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.00           | 359.58      | 11,240.0              | 4,108.7      | -913.7       | 4,189.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.00           | 359.58      | 11,240.0              | 4,208.7      | -914.4       | 4,288.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.00           | 359.58      | 11,240.0              | 4,308.7      | -915.2       | 4,388.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.00           | 359.58      | 11,240.0              | 4,408.7      | -915.9       | 4,487.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.00           | 359.58      | 11,240.0              | 4,508.7      | -916.6       | 4,586.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.00           | 359.58      | 11,240.0              | 4,608.7      | -917.4       | 4,686.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.00           | 359.58      | 11,240.0              | 4,708.7      | -918.1       | 4,785.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.00           | 359.58      | 11,240.0              | 4,808.7      | -918.9       | 4,884.7                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.00           | 359.58      | 11,240.0              | 4,908.7      | -919.6       | 4,984.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.00           | 359.58      | 11,240.0              | 5,008.7      | -920.3       | 5,083.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.00           | 359.58      | 11,240.0              | 5,108.7      | -921.1       | 5,182.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.00           | 359.58      | 11,240.0              | 5,208.7      | -921.8       | 5,282.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.00           | 359.58      | 11,240.0              | 5,308.7      | -922.6       | 5,381.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.00           | 359.58      | 11,240.0              | 5,408.7      | -923.3       | 5,480.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.00           | 359.58      | 11,240.0              | 5,508.7      | -924.0       | 5,580.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.00           | 359.58      | 11,240.0              | 5,608.7      | -924.8       | 5,679.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.00           | 359.58      | 11,240.0              | 5,708.7      | -925.5       | 5,778.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.00           | 359.58      | 11,240.0              | 5,808.7      | -926.2       | 5,878.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.00           | 359.58      | 11,240.0              | 5,908.7      | -927.0       | 5,977.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 90.00           | 359.58      | 11,240.0              | 6,008.7      | -927.7       | 6,076.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 90.00           | 359.58      | 11,240.0              | 6,108.7      | -928.5       | 6,176.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.00           | 359.58      | 11,240.0              | 6,208.7      | -929.2       | 6,275.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.00           | 359.58      | 11,240.0              | 6,308.7      | -929.9       | 6,374.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.00           | 359.58      | 11,240.0              | 6,408.6      | -930.7       | 6,474.3                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.00           | 359.58      | 11,240.0              | 6,508.6      | -931.4       | 6,573.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.00           | 359.58      | 11,240.0              | 6,608.6      | -932.2       | 6,673.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.00           | 359.58      | 11,240.0              | 6,708.6      | -932.9       | 6,772.3                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.00           | 359.58      | 11,240.0              | 6,808.6      | -933.6       | 6,871.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.00           | 359.58      | 11,240.0              | 6,908.6      | -934.4       | 6,971.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.00           | 359.58      | 11,240.0              | 7,008.6      | -935.1       | 7,070.3                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 90.00           | 359.58      | 11,240.0              | 7,108.6      | -935.8       | 7,169.7                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 90.00           | 359.58      | 11,240.0              | 7,208.6      | -936.6       | 7,269.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 90.00           | 359.58      | 11,240.0              | 7,308.6      | -937.3       | 7,368.4                 | 0.00                    | 0.00                   | 0.00                  |



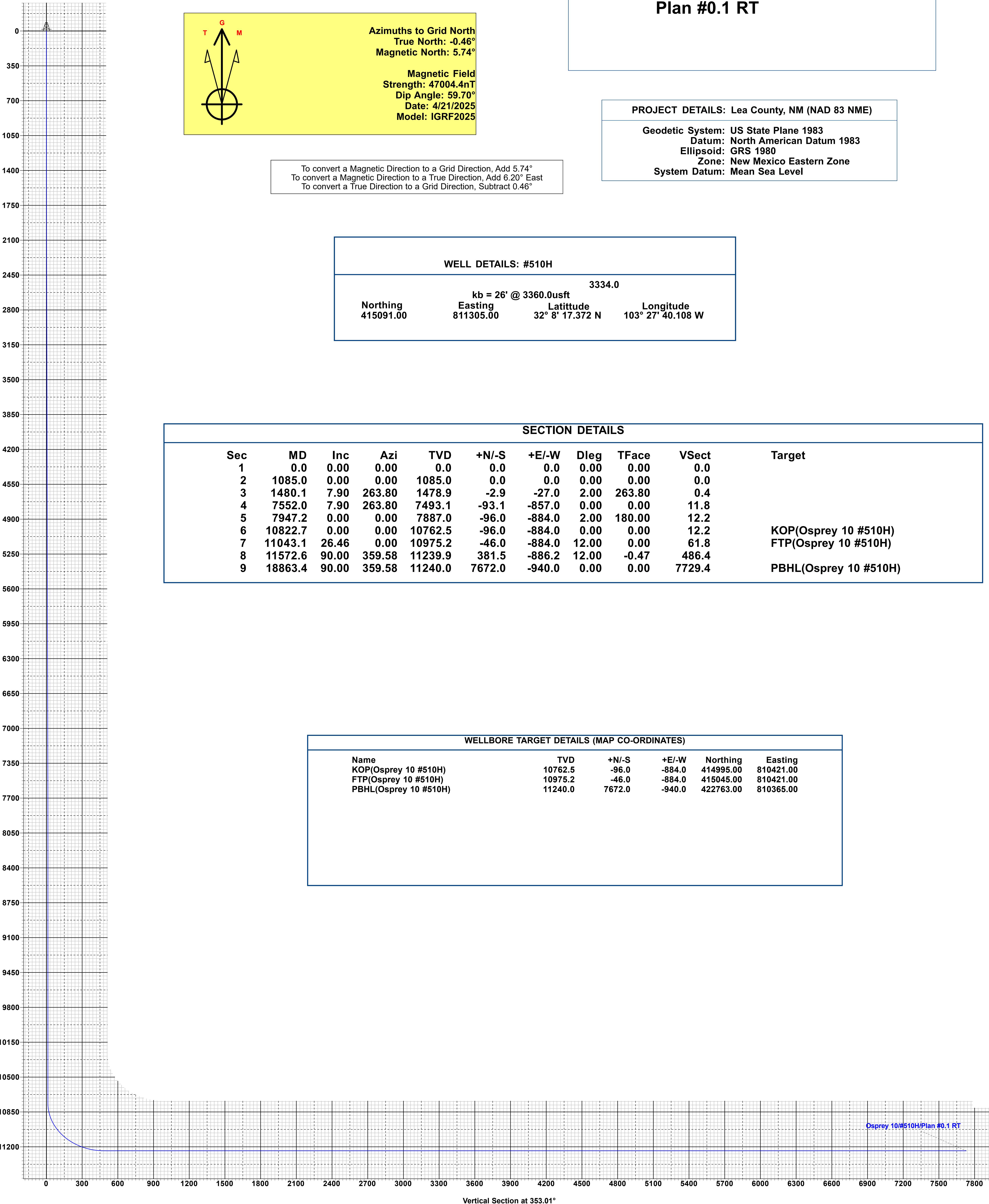
## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | PEDMB                       | <b>Local Co-ordinate Reference:</b> | Well #510H            |
| <b>Company:</b>  | Midland                     | <b>TVD Reference:</b>               | kb = 26' @ 3360.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 26' @ 3360.0usft |
| <b>Site:</b>     | Osprey 10                   | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #510H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 18,600.0              | 90.00           | 359.58      | 11,240.0              | 7,408.6      | -938.1       | 7,467.7                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0              | 90.00           | 359.58      | 11,240.0              | 7,508.6      | -938.8       | 7,567.1                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0              | 90.00           | 359.58      | 11,240.0              | 7,608.6      | -939.5       | 7,666.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,863.4              | 90.00           | 359.58      | 11,240.0              | 7,672.0      | -940.0       | 7,729.4                 | 0.00                    | 0.00                   | 0.00                  |

| Design Targets                                                |               |              |            |              |              |                 |                |                 |                   |
|---------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|-------------------|
| Target Name<br>- hit/miss target<br>- Shape                   | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude        | Longitude         |
| KOP(Osprey 10 #510H)<br>- plan hits target center<br>- Point  | 0.00          | 0.00         | 10,762.5   | -96.0        | -884.0       | 414,995.00      | 810,421.00     | 32° 8' 16.493 N | 103° 27' 50.398 W |
| FTP(Osprey 10 #510H)<br>- plan hits target center<br>- Point  | 0.00          | 0.00         | 10,975.2   | -46.0        | -884.0       | 415,045.00      | 810,421.00     | 32° 8' 16.988 N | 103° 27' 50.393 W |
| PBHL(Osprey 10 #510H)<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 11,240.0   | 7,672.0      | -940.0       | 422,763.00      | 810,365.00     | 32° 9' 33.362 N | 103° 27' 50.320 W |





To convert a Magnetic Direction to a Grid Direction, Add 5.74°  
To convert a Magnetic Direction to a True Direction, Add 6.20° East  
To convert a True Direction to a Grid Direction, Subtract 0.46°

| WELL DETAILS: #510H   |           |                 |                   |  |
|-----------------------|-----------|-----------------|-------------------|--|
| 3334.0                |           |                 |                   |  |
| kb = 26' @ 3360.0usft |           |                 |                   |  |
| Northing              | Easting   | Latitude        | Longitude         |  |
| 415091.00             | 811305.00 | 32° 8' 17.372 N | 103° 27' 40.108 W |  |

| SECTION DETAILS |         |       |        |         |        |        |       |        |        |                       |
|-----------------|---------|-------|--------|---------|--------|--------|-------|--------|--------|-----------------------|
| Sec             | MD      | Inc   | Azi    | TVD     | +N/-S  | +E/-W  | Dleg  | TFace  | VSect  | Target                |
| 1               | 0.0     | 0.00  | 0.00   | 0.0     | 0.0    | 0.0    | 0.00  | 0.00   | 0.0    |                       |
| 2               | 1085.0  | 0.00  | 0.00   | 1085.0  | 0.0    | 0.0    | 0.00  | 0.00   | 0.0    |                       |
| 3               | 1480.1  | 7.90  | 263.80 | 1478.9  | -2.9   | -27.0  | 2.00  | 263.80 | 0.4    |                       |
| 4               | 7552.0  | 7.90  | 263.80 | 7493.1  | -93.1  | -857.0 | 0.00  | 0.00   | 11.8   |                       |
| 5               | 7947.2  | 0.00  | 0.00   | 7887.0  | -96.0  | -884.0 | 2.00  | 180.00 | 12.2   |                       |
| 6               | 10822.7 | 0.00  | 0.00   | 10762.5 | -96.0  | -884.0 | 0.00  | 0.00   | 12.2   | KOP(Osprey 10 #510H)  |
| 7               | 11043.1 | 26.46 | 0.00   | 10975.2 | -46.0  | -884.0 | 12.00 | 0.00   | 61.8   | FTP(Osprey 10 #510H)  |
| 8               | 11572.6 | 90.00 | 359.58 | 11239.9 | 381.5  | -886.2 | 12.00 | -0.47  | 486.4  |                       |
| 9               | 18863.4 | 90.00 | 359.58 | 11240.0 | 7672.0 | -940.0 | 0.00  | 0.00   | 7729.4 | PBHL(Osprey 10 #510H) |

| WELLBORE TARGET DETAILS (MAP CO-ORDINATES) |         |        |        |           |           |
|--------------------------------------------|---------|--------|--------|-----------|-----------|
| Name                                       | TVD     | +N/-S  | +E/-W  | Northing  | Easting   |
| KOP(Osprey 10 #510H)                       | 10762.5 | -96.0  | -884.0 | 414995.00 | 810421.00 |
| FTP(Osprey 10 #510H)                       | 10975.2 | -46.0  | -884.0 | 415045.00 | 810421.00 |
| PBHL(Osprey 10 #510H)                      | 11240.0 | 7672.0 | -940.0 | 422763.00 | 810365.00 |

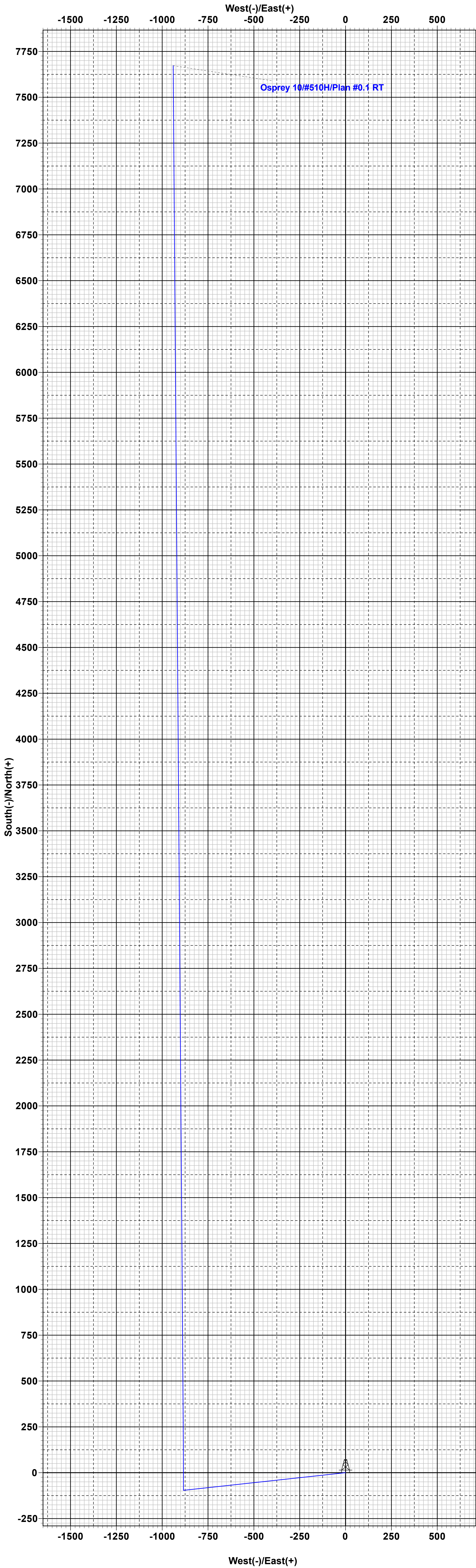
Lea County, NM (NAD 83 NME)

Osprey 10 #510H

Plan #0.1 RT

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level





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

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                                                                                                                        |                                             |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br><b>30-025-53056</b>                                                                                                                      | Pool Code<br><b>97369</b>                   | Pool Name<br><b>Red Hills; Bone Spring, East</b>                                                                                                       |
| Property Code<br><b>313188</b>                                                                                                                         | Property Name<br><b>OSPREY 10</b>           | Well Number<br><b>510H</b>                                                                                                                             |
| OGRID No.<br><b>7377</b>                                                                                                                               | Operator Name<br><b>EOG RESOURCES, INC.</b> | Ground Level Elevation<br><b>3334'</b>                                                                                                                 |
| Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                             | Mineral Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

Surface Location

|                           |                      |                         |                      |                     |                                    |                                     |                                 |                                   |                      |
|---------------------------|----------------------|-------------------------|----------------------|---------------------|------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|----------------------|
| UL or lot no.<br><b>N</b> | Section<br><b>10</b> | Township<br><b>25-S</b> | Range<br><b>34-E</b> | Lot Idn<br><b>-</b> | Feet from the N/S<br><b>140' S</b> | Feet from the E/W<br><b>1607' W</b> | Latitude<br><b>N 32.1381595</b> | Longitude<br><b>W 103.4611428</b> | County<br><b>LEA</b> |
|---------------------------|----------------------|-------------------------|----------------------|---------------------|------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|----------------------|

Bottom Hole Location

|                           |                     |                         |                      |                     |                                     |                                    |                                 |                                   |                      |
|---------------------------|---------------------|-------------------------|----------------------|---------------------|-------------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|
| UL or lot no.<br><b>L</b> | Section<br><b>3</b> | Township<br><b>25-S</b> | Range<br><b>34-E</b> | Lot Idn<br><b>-</b> | Feet from the N/S<br><b>2539' S</b> | Feet from the E/W<br><b>723' W</b> | Latitude<br><b>N 32.1592670</b> | Longitude<br><b>W 103.4639781</b> | County<br><b>LEA</b> |
|---------------------------|---------------------|-------------------------|----------------------|---------------------|-------------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|

|                                          |                                          |                                          |                                                                                                    |                               |
|------------------------------------------|------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------|
| Dedicated Acres<br><b>240.00</b>         | Infill or Defining Well<br><b>INFILL</b> | Defining Well API<br><b>30-025-43650</b> | Overlapping Spacing Unit (Y/N)<br><b>N</b>                                                         | Consolidated Code<br><b>F</b> |
| Order Numbers<br><b>R14371, R14371-A</b> |                                          |                                          | Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No |                               |

Kick Off Point (KOP)

|                           |                      |                         |                      |                     |                                   |                                    |                                 |                                   |                      |
|---------------------------|----------------------|-------------------------|----------------------|---------------------|-----------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|
| UL or lot no.<br><b>M</b> | Section<br><b>10</b> | Township<br><b>25-S</b> | Range<br><b>34-E</b> | Lot Idn<br><b>-</b> | Feet from the N/S<br><b>50' S</b> | Feet from the E/W<br><b>723' W</b> | Latitude<br><b>N 32.1379150</b> | Longitude<br><b>W 103.4639990</b> | County<br><b>LEA</b> |
|---------------------------|----------------------|-------------------------|----------------------|---------------------|-----------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|

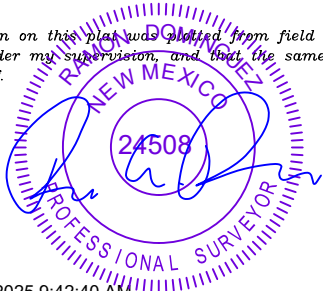
First Take Point (FTP)

|                           |                      |                         |                      |                     |                                    |                                    |                                 |                                   |                      |
|---------------------------|----------------------|-------------------------|----------------------|---------------------|------------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|
| UL or lot no.<br><b>M</b> | Section<br><b>10</b> | Township<br><b>25-S</b> | Range<br><b>34-E</b> | Lot Idn<br><b>-</b> | Feet from the N/S<br><b>100' S</b> | Feet from the E/W<br><b>723' W</b> | Latitude<br><b>N 32.1380525</b> | Longitude<br><b>W 103.4639977</b> | County<br><b>LEA</b> |
|---------------------------|----------------------|-------------------------|----------------------|---------------------|------------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|

Last Take Point (LTP)

|                           |                     |                         |                      |                     |                                     |                                    |                                 |                                   |                      |
|---------------------------|---------------------|-------------------------|----------------------|---------------------|-------------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|
| UL or lot no.<br><b>L</b> | Section<br><b>3</b> | Township<br><b>25-S</b> | Range<br><b>34-E</b> | Lot Idn<br><b>-</b> | Feet from the N/S<br><b>2539' S</b> | Feet from the E/W<br><b>723' W</b> | Latitude<br><b>N 32.1592670</b> | Longitude<br><b>W 103.4639781</b> | County<br><b>LEA</b> |
|---------------------------|---------------------|-------------------------|----------------------|---------------------|-------------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|

|                                                                   |                                                                                                        |                                        |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------|
| Unitized Area or Area of Uniform Interest<br><b>UNITIZED AREA</b> | Spacing Unity Type<br><input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation<br><b>3359'</b> |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                        |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>OPERATOR CERTIFICATION</b><br><br><i>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.</i><br><br><i>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.</i><br><br> <b>04/25/2025</b> |  | <b>SURVEYORS CERTIFICATION</b><br><br><i>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.</i><br><br><br><b>4/15/2025 9:42:40 AM</b> |                                     |
| Signature<br><b>KAYLA MCCONNELL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Signature and Seal of Professional Surveyor<br><b>Ryan Dominguez</b>                                                                                                                                                                                                                                                                                                                   |                                     |
| Date<br><b>04/25/2025</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Date<br><b>4/15/2025 9:42:40 AM</b>                                                                                                                                                                                                                                                                                                                                                    |                                     |
| Print Name<br><b>KAYLA_MCCONNELL@EOG RESOURCES.COM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Certificate Number                                                                                                                                                                                                                                                                                                                                                                     | Date of Survey<br><b>04/04/2025</b> |
| E-mail Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                        |                                     |

|                                                                 |                                                                                                            |                                     |                                                    |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------|
| <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 type="checkbox"/> Initial Submittal         |
|                                                                 |                                                                                                            |                                     | <input checked="" type="checkbox"/> Amended Report |
|                                                                 |                                                                                                            | <input type="checkbox"/> As Drilled |                                                    |
| Property Name and Well Number<br><br><div>OSPREY 10 510H</div>  |                                                                                                            |                                     |                                                    |

[illegible]

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 455713

CONDITIONS

|                                                                             |                                                      |
|-----------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>5509 Champions Drive<br>Midland, TX 79706 | OGRID:<br>7377                                       |
|                                                                             | Action Number:<br>455713                             |
|                                                                             | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By    | Condition                                                              | Condition Date |
|---------------|------------------------------------------------------------------------|----------------|
| matthew.gomez | Any previous COA's not addressed within the updated COA's still apply. | 5/9/2025       |