U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

# Sundry Print Report

11/03/2025

**Well Name:** MESA VERDE BS UNIT

**Well Location:** T24S / R32E / SEC 17 / SWSW / 32.213547 / -103.702012

**County or Parish/State:** LEA / NM

**Well Number:** 39H

**Type of Well:** OIL WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM66925

**Unit or CA Name:** MESA VERDE BONE SPRING RDU PA

**Unit or CA Number:** NMNM137096A

**US Well Number:** 3002554556

**Operator:** OXY USA INCORPORATED

## Notice of Intent

**Sundry ID:** 2875340

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 09/24/2025

**Time Sundry Submitted:** 09:26

**Date proposed operation will begin:** 07/15/2025

**Procedure Description:** OXY USA Inc. respectfully requests approval to amend the subject well AAPD to change the Well Name, BHL, and amend the Drilling Plan. The well name is updated from Mesa Verde BS Unit 39H to Mesa Verde BS Unit 255H. BHL is updated from 20' FNL & 1500' FWL NENW to 20' FNL & 865' FWL NWNW. Please see the attached well plat, revised drill plan, and updated directional for reference. There is no additional disturbance included in this sundry.

## NOI Attachments

**Procedure Description**

MesaVerdeBSUnit255H_VM_20250924092154.pdf

MesaVerdeBSUnit255H_VAM_DWC_C_HT_IS_5.500in_20ppf_P110RY_20250924092148.pdf

MesaVerdeBSUnit255H_StakingSheet_20250924092142.pdf

MesaVerdeBSUnit255H_Site_Plan_20250924092135.pdf

MesaVerdeBSUnit255H_OIM_20250924092128.pdf

MesaVerdeBSUnit255H_DrillPlan_20250924092118.pdf

MesaVerdeBSUnit255H_DirectPlan_20250924092112.pdf

MesaVerdeBSUnit255H_C102_20250924092104.pdf

MesaVerdeBSUnit255H_APDSundryWorkSheet_20250924092055.pdf

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## Conditions of Approval

**Additional**

MESA_VERDE_BS_UNIT_255H___SUNDRY_COA___11012025_20251101141153.pdf

## Operator

*I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a*

**Operator Electronic Signature:** SARA GUTHRIE

**Signed on:** SEP 24, 2025 09:22 AM

**Name:** OXY USA INCORPORATED

**Title:** Regulatory Advisor

**Street Address:** 5 GREENWAY PLAZA SUITE 110

**City:** HOUSTON **State:** TX

**Phone:** (713) 497-2851

**Email address:** SARA_GUTHRIE@OXY.COM

## Field

**Representative Name:** Michael Wilson

**Street Address:**

**City:** **State:** **Zip:**

**Phone:** (575)631-6618

**Email address:** michael_wilson@oxy.com

## BLM Point of Contact

**BLM POC Name:** KEITH P IMMATTY

**BLM POC Title:** ENGINEER

**BLM POC Phone:** 5759884722

**BLM POC Email Address:** KIMMATTY@BLM.GOV

**Disposition:** Approved

**Disposition Date:** 11/03/2025

**Signature:** KEITH IMMATTY

Save Print Clear



Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

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

5. Lease Serial No. NMNM66925

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. MESA VERDE BONE SPRING RDU PA/NMNM137096A

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. MESA VERDE BS UNIT/39H

2. Name of Operator OXY USA INCORPORATED

9. API Well No. 3002554556

3a. Address 5 GREENWAY PLAZA SUITE 110, HOUSTON, T

3b. Phone No. *(include area code)* (713) 366-5716

10. Field and Pool or Exploratory Area MESA VERDE/BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 17/T24S/R32E/NMP

11. Country or Parish, State LEA/NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☑ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Hydraulic Fracturing | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other |
| | ☑ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

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

OXY USA Inc. respectfully requests approval to amend the subject well AAPD to change the Well Name, BHL, and amend the Drilling Plan. The well name is updated from Mesa Verde BS Unit 39H to Mesa Verde BS Unit 255H. BHL is updated from 20' FNL & 1500' FWL NENW to 20' FNL & 865' FWL NWNW. Please see the attached well plat, revised drill plan, and updated directional for reference. There is no additional disturbance included in this sundry.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* SARA GUTHRIE / Ph: (713) 497-2851

Title Regulatory Advisor

Signature (Electronic Submission)

Date 09/24/2025

**THE SPACE FOR FEDERAL OR STATE OFICE USE**

Approved by KEITH P IMMATTY / Ph: (575) 988-4722 / Approved

Title ENGINEER

Date 11/03/2025

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13:* Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: SWSW / 1222 FSL / 1015 FWL / TWSP: 24S / RANGE: 32E / SECTION: 17 / LAT: 32.213547 / LONG: -103.702012 ( TVD: 0 feet, MD: 0 feet )

PPP: SENW / 2650 FSL / 1509 FWL / TWSP: 24S / RANGE: 32E / SECTION: 8 / LAT: 32.231977 / LONG: -103.700439 ( TVD: 9367 feet, MD: 17445 feet )

PPP: SESW / 0 FSL / 1505 FWL / TWSP: 24S / RANGE: 32E / SECTION: 8 / LAT: 32.224695 / LONG: -103.70044 ( TVD: 9405 feet, MD: 14795 feet )

PPP: SENW / 2642 FSL / 1503 FWL / TWSP: 24S / RANGE: 32E / SECTION: 17 / LAT: 32.217458 / LONG: -103.70044 ( TVD: 9442 feet, MD: 12162 feet )

PPP: SESW / 100 FSL / 1500 FWL / TWSP: 24S / RANGE: 32E / SECTION: 17 / LAT: 32.210473 / LONG: -103.70044 ( TVD: 9472 feet, MD: 10010 feet )

BHL: NENW / 20 FNL / 1500 FWL / TWSP: 24S / RANGE: 32E / SECTION: 8 / LAT: 32.239169 / LONG: -103.700438 ( TVD: 9327 feet, MD: 20270 feet )

# PECOS DISTRICT
# DRILLING CONDITIONS OF APPROVAL

| | |
|---|---|
| **OPERATOR'S NAME:** | OXY USA INC. |
| **WELL NAME & NO.:** | MESA VERDE BS UNIT 255H |
| **LOCATION:** | SEC17 T24S R32E-NMP |
| **COUNTY:** | Lea County, New Mexico |

**Create COAs**

| $H_2S$ | Cave / Karst | Waste Prevention Rule |
|---|---|---|
| Present | Low | APD Submitted Prior to 06/10/24 |
| **Potash** | **R-111-Q Design** | |
| None | | |
| **Wellhead** | **Casing** | |
| Multibowl | 3-String Well | |
| | ☐ Liner ☐ Fluid ☐ Casing Clearance | |
| ☑ Flex Hose | **Cementing** | |
| ☑ Break Testing | ☐ DV Tool ☑ Bradenhead ☐ Echometer | |
| | ☑ Offline Cement ☐ Open Annulus ☐ Pilot Hole | |

**Special Requirements**

☐ Capitan Reef ☐ Water Disposal ☐ COM ☑ Unit

**A. HYDROGEN SULFIDE**

A Hydrogen Sulfide ($H_2S$) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet all requirements from 43 CFR 3176, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

**B. CASING**

1. The **10-3/4** inch surface casing shall be set at approximately **925** feet (a minimum of **70'** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. ***Set depth adjusted per BLM geologist.***

*BLM suggests to set surface casing at 925' in the Rustler formation to protect the groundwater aquifer in this area. If salt is encountered set 25 feet above the salt.*

   a. If cement does not circulate to the surface, the appropriate BLM office shall be notified

and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater (including lead cement.)
c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.

**Bradenhead Squeeze:** Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon**.
b. **Second stage:** Operator to squeeze and top-out. Cement to meet requirements listed for this casing string. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down **Surface X Intermediate 1** annulus. Submit results to the BLM. If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

- Operator shall run a CBL from TD of the **Intermediate 1** casing to tieback requirements listed above after the second stage BH to verify TOC.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is at least **200 feet** into previous casing string. Operator shall provide method of verification.
    - If cement does not circulate to surface on the previous casing, this string must come to surface.

## C. PRESSURE CONTROL

1. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi. **Variance is approved to use a 5000 (5M) annular which shall be tested to 3500 (3.5M) psi.**
    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

2. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).

3. Break testing has been approved for this well ONLY on those intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)** If in the event break testing is not utilized, then a full BOPE test would be conducted.
   - BOPE Break Testing is ONLY permitted for hole sections with 5M MASP or less.
   - The break test should involve a shell test that includes testing the upper pipe rams as proposed.
   - Variance only pertains to the hole-sections in and shallower than the Wolfcamp formation. Break testing is NOT allowed when planning to penetrate the Penn group.
   - While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle in accordance with API STD 53.
   - Any well control event while drilling require notification to the BLM Petroleum Engineer.
   - A full BOPE test is required prior to drilling the first intermediate section.
   - If a hole section tends to show more background gas than normal, please notify BLM Engineer prior to proceeding with break testing on the next well.
   - The BLM PET is to be contacted 4 hours prior to BOPE tests.
     - *Eddy County Petroleum Engineering Inspection Staff: (575) 361-2822*
     - *Lea County Petroleum Engineering Inspection Staff: (575) 689-5981*
   - As a minimum, a full BOPE test shall be performed at 21-day intervals.
   - In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per

   43 CFR 3172.

**D. SPECIAL REQUIREMENT(S)**

**Unit Wells:**

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

**Commercial Well Determination:**

A commercial well determination shall be submitted after production has been established for at least six months. **(This is not necessary for secondary recovery unit wells)**

**Offline Cementing**

Offline cementing has been approved for **all hole sections, excluding production.** Contact the BLM prior to the commencement of any offline cementing procedure.

# GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

**Contact Lea County Petroleum Engineering Inspection Staff:**
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981

**Contact Eddy County Petroleum Engineering Inspection Staff:**
Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220; **BLM_NM_CFO_DrillingNotifications@BLM.GOV**; (575) 361-2822

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
    a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
    b. When the operator proposes to set surface casing with Spudder Rig
        i. Notify the BLM when moving in and removing the Spudder Rig.
        ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
        iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

## A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator

can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

**B. PRESSURE CONTROL**

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements

of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
    i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
    ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated

after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

v. The results of the test shall be reported to the appropriate BLM office.

vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

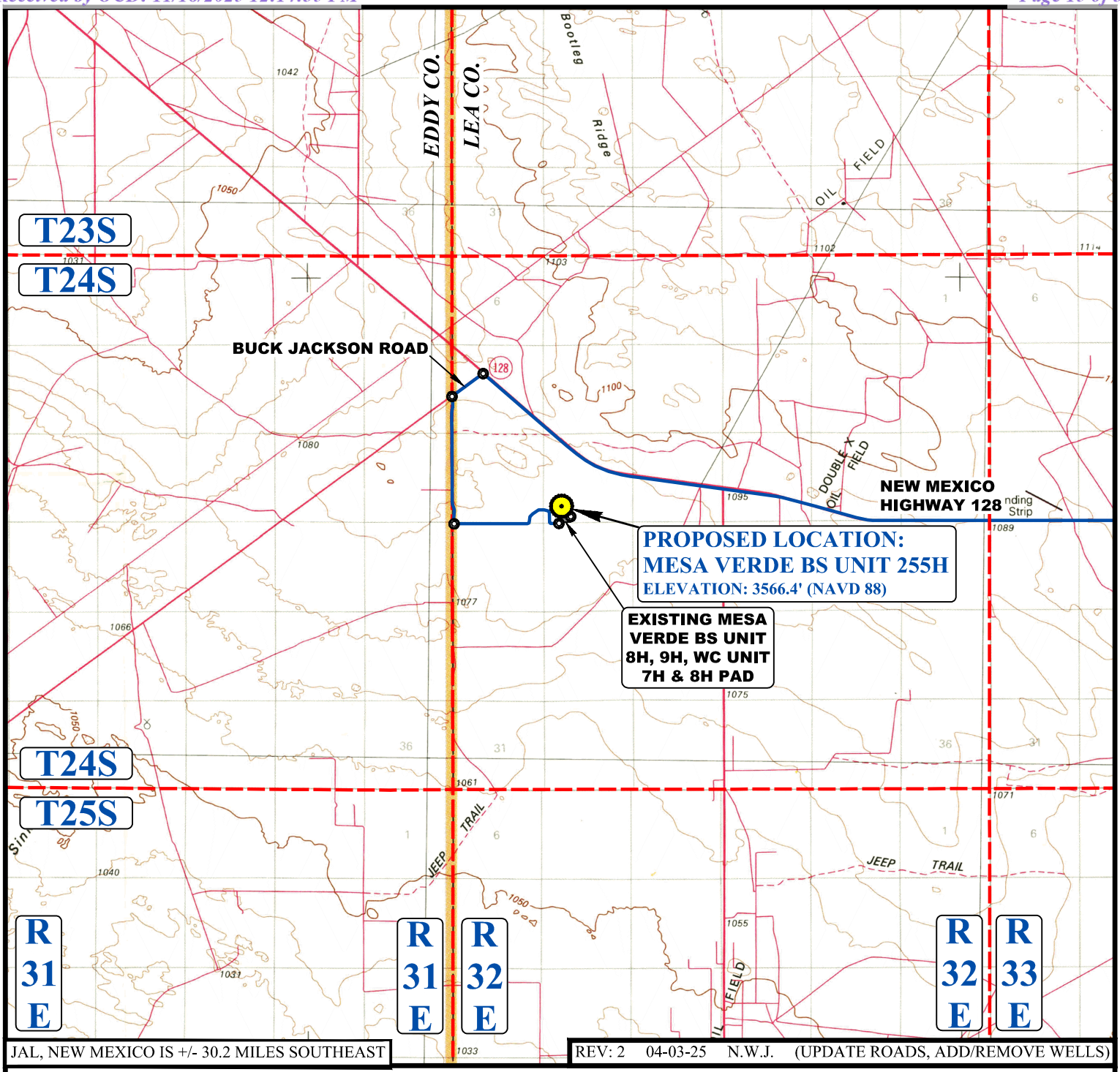
## C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

## D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

**KPI** 11/1/2025




JAL, NEW MEXICO IS +/- 30.2 MILES SOUTHEAST

REV: 2 04-03-25 N.W.J. (UPDATE ROADS, ADD/REMOVE WELLS)

BEGINNING AT THE INTERSECTION OF STATE HIGHWAY 18 AND STATE HIGHWAY 128 IN JAL, NEW MEXICO, PROCEED IN A WESTERLY, THEN NORTHWESTERLY, THEN WESTERLY DIRECTION ALONG HIGHWAY 128 APPROXIMATELY 33.1 MILES TO THE JUNCTION OF THIS ROAD AND BUCK JACKSON ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHEASTERLY, THEN EASTERLY, THEN SOUTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 80' TO THE EXISTING MESA VERDE BS UNIT 8H, 9H, WC UNIT 7H & 8H PAD AND TO THE BEGINNING OF THE PROPOSED ACCESS ROAD "C" TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHERLY, THE WESTERLY DIRECTION APPROXIMATELY 715' TO THE PROPOSED LOCATION..

TOTAL DISTANCE FROM JAL, NEW MEXICO TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 36.5 MILES.

**LEGEND:**

**PROPOSED LOCATION**

N

## OXY USA INC.

**MESA VERDE BS UNIT 255H**
**1222' FSL 1015' FWL**
**SW 1/4 SW 1/4, SECTION 17, T24S, R32E, N.M.P.M.**
**LEA COUNTY, NEW MEXICO**

| | | | |
|---|---|---|---|
| SURVEYED BY | C.T., K.H. | 04-03-25 | SCALE |
| DRAWN BY | Z.L. | 07-05-23 | 1 : 100,000 |

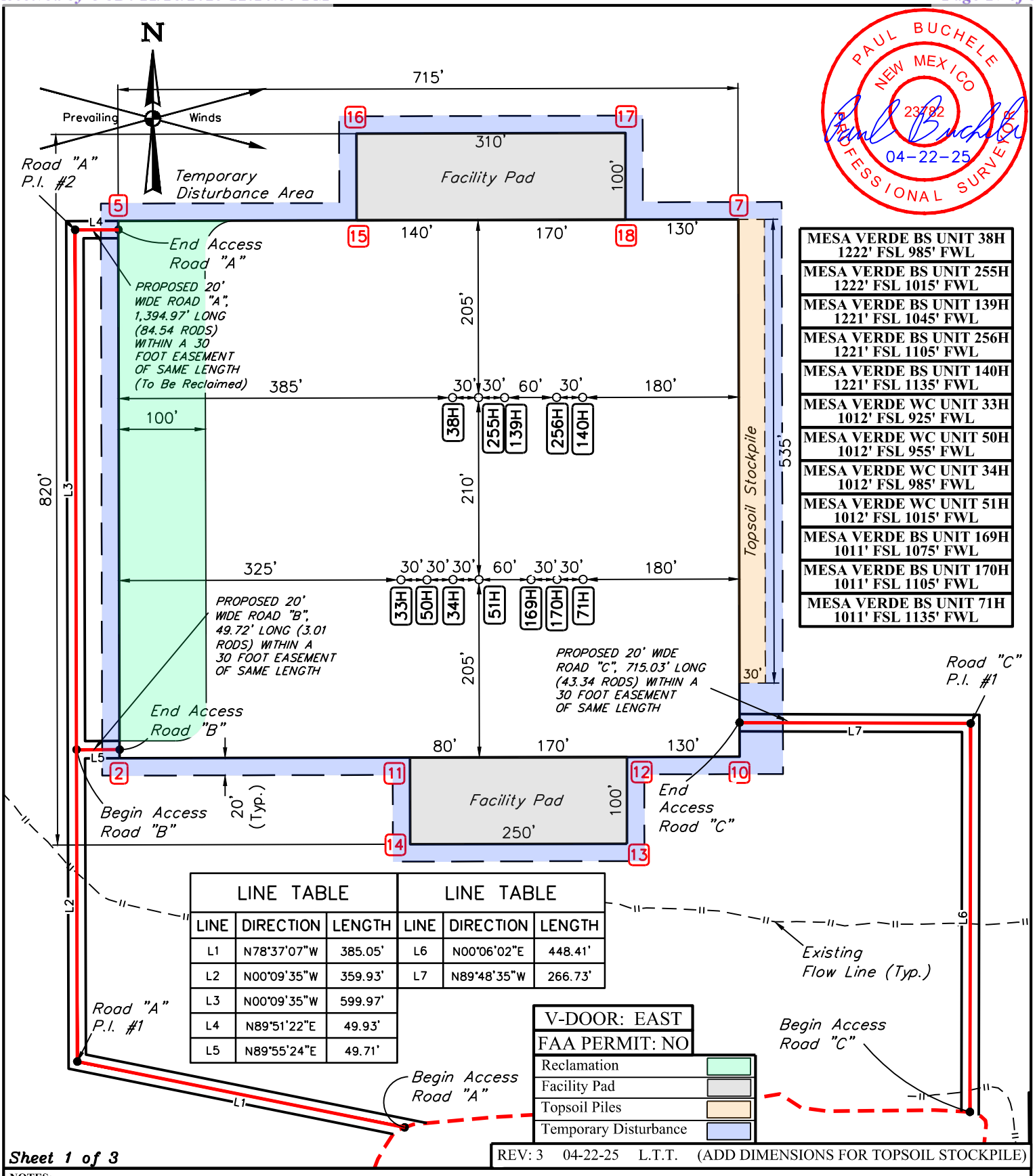
**VICINITY MAP**

UINTAH ENGINEERING & LAND SURVEYING

**UELS, LLC**
**Corporate Office * 85 South 200 East**
**Vernal, UT 84078 * (435) 789-1017**

# NEW MEXICO STAKING FORM

| | | |
|---|---|---|
| Date Staked | 04/03/2025 | |
| Lease/Well Name | MESA VERDE BS UNIT 255H | |
| Legal Description | SECTION 17, T24S, R32E | |
| Latitude | 32.213547 | NAD 83 |
| Longitude | -103.702012 | NAD 83 |
| X | 695402.12' | NAD 27 |
| Y | 441937.25' | NAD 27 |
| Elevation | 3566.4' | NAD 27 |
| Move Information | 2' WEST | |
| County | LEA | |
| Surface Owner | BLM | |
| Nearest Residence | 2.4 MILES | |
| Nearest Water Well | 2.3 MILES | |
| V-Door | East | |
| Road Description | ROADS INTO THE NW CORNER, SW CORNER FROM THE WEST AND SE CORNER FROM EAST | |
| New Road | Yes, proposed road into the SW corner is 50' long, proposed road into the NW corner is 50' & proposed road into the SE corner is 100' long. | |
| Upgrade Existing Road | No | |
| Source of Caliche | TBD | |
| Special Notes | | |




| MESA VERDE BS UNIT 38H 1222' FSL 985' FWL |
|---|
| MESA VERDE BS UNIT 255H 1222' FSL 1015' FWL |
| MESA VERDE BS UNIT 139H 1221' FSL 1045' FWL |
| MESA VERDE BS UNIT 256H 1221' FSL 1105' FWL |
| MESA VERDE BS UNIT 140H 1221' FSL 1135' FWL |
| MESA VERDE WC UNIT 33H 1012' FSL 925' FWL |
| MESA VERDE WC UNIT 50H 1012' FSL 955' FWL |
| MESA VERDE WC UNIT 34H 1012' FSL 985' FWL |
| MESA VERDE WC UNIT 51H 1012' FSL 1015' FWL |
| MESA VERDE BS UNIT 169H 1011' FSL 1075' FWL |
| MESA VERDE BS UNIT 170H 1011' FSL 1105' FWL |
| MESA VERDE BS UNIT 71H 1011' FSL 1135' FWL |

PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 04-22-25

| LINE TABLE | | | LINE TABLE | | |
|---|---|---|---|---|---|
| LINE | DIRECTION | LENGTH | LINE | DIRECTION | LENGTH |
| L1 | N78°37'07"W | 385.05' | L6 | N00°06'02"E | 448.41' |
| L2 | N00°09'35"W | 359.93' | L7 | N89°48'35"W | 266.73' |
| L3 | N00°09'35"W | 599.97' | | | |
| L4 | N89°51'22"E | 49.93' | | | |
| L5 | N89°55'24"E | 49.71' | | | |

| V-DOOR: EAST |
|---|
| FAA PERMIT: NO |
| Reclamation |
| Facility Pad |
| Topsoil Piles |
| Temporary Disturbance |

REV: 3 04-22-25 L.T.T. (ADD DIMENSIONS FOR TOPSOIL STOCKPILE)

Sheet 1 of 3

NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

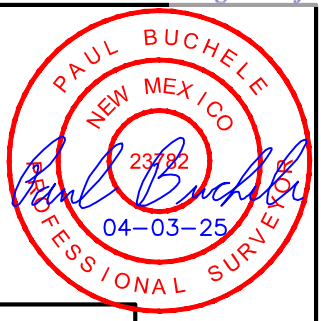
# OXY USA INC.

**MSAVRD_T24SR32E_17_PAD 1702**
**SW 1/4 SW 1/4, SECTION 17, T24S, R32E, N.M.P.M.**
**LEA COUNTY, NEW MEXICO**

| SURVEYED BY | C.T., K.H. | 04-03-25 | SCALE |
|---|---|---|---|
| DRAWN BY | Z.L. | 07-05-23 | 1" = 150' |

## SITE PLAN

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017
UINTAH ENGINEERING & LAND SURVEYING




| 169H - EL: 3565.8' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'46.69" (32.212970°) |
| LONGITUDE = -103°42'06.54" (-103.701817°) |
| **NAD 27** |
| LATITUDE = 32°12'46.25" (32.212847°) |
| LONGITUDE = -103°42'04.81" (-103.701336°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441786.40' E: 736647.83' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441727.62' E: 695463.49' |

| 38H - EL: 3566.9' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'48.77" (32.213547°) |
| LONGITUDE = -103°42'07.59" (-103.702109°) |
| **NAD 27** |
| LATITUDE = 32°12'48.33" (32.213424°) |
| LONGITUDE = -103°42'05.86" (-103.701628°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441995.83' E: 736556.46' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441937.05' E: 695372.13' |

| 255H - EL: 3566.4' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'48.77" (32.213547°) |
| LONGITUDE = -103°42'07.24" (-103.702012°) |
| **NAD 27** |
| LATITUDE = 32°12'48.33" (32.213424°) |
| LONGITUDE = -103°42'05.51" (-103.701531°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441996.03' E: 736586.45' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441937.25' E: 695402.12' |

| 139H - EL: 3565.9' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'48.77" (32.213548°) |
| LONGITUDE = -103°42'06.89" (-103.701915°) |
| **NAD 27** |
| LATITUDE = 32°12'48.33" (32.213424°) |
| LONGITUDE = -103°42'05.16" (-103.701434°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441996.23' E: 736616.44' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441937.44' E: 695432.11' |

| 170H - EL: 3565.9' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'46.69" (32.212971°) |
| LONGITUDE = -103°42'06.19" (-103.701720°) |
| **NAD 27** |
| LATITUDE = 32°12'46.25" (32.212847°) |
| LONGITUDE = -103°42'04.46" (-103.701239°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441786.67' E: 736677.82' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441727.89' E: 695493.48' |

| 71H - EL: 3565.9' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'46.69" (32.212971°) |
| LONGITUDE = -103°42'05.84" (-103.701623°) |
| **NAD 27** |
| LATITUDE = 32°12'46.25" (32.212847°) |
| LONGITUDE = -103°42'04.11" (-103.701142°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441786.87' E: 736707.82' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441728.09' E: 695523.48' |

| 256H - EL: 3565.9' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'48.77" (32.213548°) |
| LONGITUDE = -103°42'06.19" (-103.701721°) |
| **NAD 27** |
| LATITUDE = 32°12'48.33" (32.213424°) |
| LONGITUDE = -103°42'04.46" (-103.701240°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441996.63' E: 736676.43' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441937.84' E: 695492.10' |

| 140H - EL: 3565.4' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'48.77" (32.213548°) |
| LONGITUDE = -103°42'05.85" (-103.701624°) |
| **NAD 27** |
| LATITUDE = 32°12'48.33" (32.213424°) |
| LONGITUDE = -103°42'04.11" (-103.701143°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441996.83' E: 736706.43' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441938.04' E: 695522.10' |

| 33H - EL: 3567.5' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'46.69" (32.212970°) |
| LONGITUDE = -103°42'08.29" (-103.702302°) |
| **NAD 27** |
| LATITUDE = 32°12'46.25" (32.212846°) |
| LONGITUDE = -103°42'06.56" (-103.701821°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441785.48' E: 736497.86' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441726.70' E: 695313.52' |

| 34H - EL: 3566.3' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'46.69" (32.212970°) |
| LONGITUDE = -103°42'07.59" (-103.702108°) |
| **NAD 27** |
| LATITUDE = 32°12'46.25" (32.212847°) |
| LONGITUDE = -103°42'05.86" (-103.701627°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441785.88' E: 736557.85' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441727.10' E: 695373.51' |

| 50H - EL: 3566.7' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'46.69" (32.212970°) |
| LONGITUDE = -103°42'07.94" (-103.702205°) |
| **NAD 27** |
| LATITUDE = 32°12'46.25" (32.212847°) |
| LONGITUDE = -103°42'06.21" (-103.701724°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441785.68' E: 736527.85' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441726.90' E: 695343.51' |

| 51H - EL: 3566.7' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'46.69" (32.212970°) |
| LONGITUDE = -103°42'07.24" (-103.702011°) |
| **NAD 27** |
| LATITUDE = 32°12'46.25" (32.212847°) |
| LONGITUDE = -103°42'05.51" (-103.701530°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441786.07' E: 736587.84' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441727.29' E: 695403.50' |

| 2 - EL: 3570.7' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'44.66" (32.212406°) |
| LONGITUDE = -103°42'12.07" (-103.703352°) |
| **NAD 27** |
| LATITUDE = 32°12'44.22" (32.212282°) |
| LONGITUDE = -103°42'10.34" (-103.702871°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441578.37' E: 736174.28' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441519.59' E: 694989.93' |

| 5 - EL: 3570.3' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'50.80" (32.214110°) |
| LONGITUDE = -103°42'12.07" (-103.703354°) |
| **NAD 27** |
| LATITUDE = 32°12'50.35" (32.213986°) |
| LONGITUDE = -103°42'10.34" (-103.702873°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 442198.24' E: 736170.18' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 442139.45' E: 694985.86' |

| 7 - EL: 3563.3' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'50.80" (32.214111°) |
| LONGITUDE = -103°42'03.75" (-103.701042°) |
| **NAD 27** |
| LATITUDE = 32°12'50.36" (32.213988°) |
| LONGITUDE = -103°42'02.02" (-103.700562°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 442202.97' E: 736885.03' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 442144.18' E: 695700.71' |

| 10 - EL: 3564.7' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'44.67" (32.212408°) |
| LONGITUDE = -103°42'03.75" (-103.701041°) |
| **NAD 27** |
| LATITUDE = 32°12'44.22" (32.212284°) |
| LONGITUDE = -103°42'02.02" (-103.700560°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441583.10' E: 736889.13' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441524.33' E: 695704.79' |

| 11 - EL: 3567.8' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'44.66" (32.212407°) |
| LONGITUDE = -103°42'08.17" (-103.702269°) |
| **NAD 27** |
| LATITUDE = 32°12'44.22" (32.212283°) |
| LONGITUDE = -103°42'06.44" (-103.701789°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441580.59' E: 736509.21' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441521.81' E: 695324.87' |

| 12 - EL: 3564.8' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'44.67" (32.212407°) |
| LONGITUDE = -103°42'05.26" (-103.701461°) |
| **NAD 27** |
| LATITUDE = 32°12'44.22" (32.212284°) |
| LONGITUDE = -103°42'03.53" (-103.700980°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441582.24' E: 736759.16' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441523.47' E: 695574.81' |

| 13 - EL: 3565.1' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'43.68" (32.212132°) |
| LONGITUDE = -103°42'05.26" (-103.701461°) |
| **NAD 27** |
| LATITUDE = 32°12'43.23" (32.212009°) |
| LONGITUDE = -103°42'03.53" (-103.700980°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441482.26' E: 736759.82' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441423.49' E: 695575.47' |

| 14 - EL: 3567.9' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'43.67" (32.212132°) |
| LONGITUDE = -103°42'08.17" (-103.702269°) |
| **NAD 27** |
| LATITUDE = 32°12'43.23" (32.212008°) |
| LONGITUDE = -103°42'06.44" (-103.701788°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441480.61' E: 736509.87' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441421.83' E: 695325.52' |

| 15 - EL: 3567.3' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'50.80" (32.214111°) |
| LONGITUDE = -103°42'08.87" (-103.702465°) |
| **NAD 27** |
| LATITUDE = 32°12'50.35" (32.213987°) |
| LONGITUDE = -103°42'07.14" (-103.701984°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 442200.06' E: 736445.12' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 442141.27' E: 695260.80' |

| 16 - EL: 3567.0' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'51.79" (32.214385°) |
| LONGITUDE = -103°42'08.87" (-103.702465°) |
| **NAD 27** |
| LATITUDE = 32°12'51.34" (32.214262°) |
| LONGITUDE = -103°42'07.14" (-103.701984°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 442300.04' E: 736444.46' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 442241.25' E: 695260.14' |

| 17 - EL: 3564.3' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'51.79" (32.214386°) |
| LONGITUDE = -103°42'05.27" (-103.701463°) |
| **NAD 27** |
| LATITUDE = 32°12'51.34" (32.214262°) |
| LONGITUDE = -103°42'03.54" (-103.700982°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 442302.09' E: 736754.40' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 442243.30' E: 695570.08' |

| 18 - EL: 3565.0' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'50.80" (32.214111°) |
| LONGITUDE = -103°42'05.27" (-103.701463°) |
| **NAD 27** |
| LATITUDE = 32°12'50.36" (32.213988°) |
| LONGITUDE = -103°42'03.53" (-103.700982°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 442202.11' E: 736755.06' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 442143.32' E: 695570.74' |

***Sheet 2 of 3***

REV: 2 04-03-25 N.W.J. (UPDATE PAD NAME, ADD/REMOVE WELLS)

**NOTES:**

- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

# OXY USA INC.

## MSAVRD_T24SR32E_17_PAD 1702
## SW 1/4 SW 1/4, SECTION 17, T24S, R32E, N.M.P.M.
## LEA COUNTY, NEW MEXICO

| | | | |
|---|---|---|---|
| **SURVEYED BY** | C.T., K.H. | 06-05-23 | **SCALE** |
| **DRAWN BY** | Z.L. | 07-05-23 | AS SHOWN |
| **SITE PLAN** | | | |

UINTAH ENGINEERING & LAND SURVEYING

**UELS, LLC**
**Corporate Office * 85 South 200 East**
**Vernal, UT 84078 * (435) 789-1017**


| BEGIN ACCESS ROAD "A" |
|---|
| **NAD 83** |
| LATITUDE = 32°12'40.44" (32.211234°) |
| LONGITUDE = -103°42'08.25" (-103.702292°) |
| **NAD 27** |
| LATITUDE = 32°12'40.00" (32.211110°) |
| LONGITUDE = -103°42'06.52" (-103.701811°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441153.79' E: 736504.74' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441095.03' E: 695320.38' |

| ACCESS ROAD "A" P.I. #1 - EL: 3571.7' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'41.20" (32.211444°) |
| LONGITUDE = -103°42'12.64" (-103.703512°) |
| **NAD 27** |
| LATITUDE = 32°12'40.75" (32.211321°) |
| LONGITUDE = -103°42'10.91" (-103.703031°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441228.20' E: 736126.91' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441169.43' E: 694942.55' |

| ACCESS ROAD "A" P.I. #2 - EL: 3571.4' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'50.70" (32.214082°) |
| LONGITUDE = -103°42'12.65" (-103.703515°) |
| **NAD 27** |
| LATITUDE = 32°12'50.25" (32.213959°) |
| LONGITUDE = -103°42'10.92" (-103.703034°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 442187.88' E: 736120.33' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 442129.09' E: 694936.01' |

| END ACCESS ROAD "A" - EL: 3570.4' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'50.70" (32.214082°) |
| LONGITUDE = -103°42'12.07" (-103.703354°) |
| **NAD 27** |
| LATITUDE = 32°12'50.25" (32.213959°) |
| LONGITUDE = -103°42'10.34" (-103.702873°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 442188.22' E: 736170.25' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 442129.43' E: 694985.92' |

| BEGIN ACCESS ROAD "B" - EL: 3570.8' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'44.76" (32.212433°) |
| LONGITUDE = -103°42'12.65" (-103.703513°) |
| **NAD 27** |
| LATITUDE = 32°12'44.32" (32.212310°) |
| LONGITUDE = -103°42'10.92" (-103.703032°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441588.04' E: 736124.51' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441529.26' E: 694940.16' |

| END ACCESS ROAD "B" - EL: 3570.8' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'44.76" (32.212433°) |
| LONGITUDE = -103°42'12.07" (-103.703352°) |
| **NAD 27** |
| LATITUDE = 32°12'44.31" (32.212310°) |
| LONGITUDE = -103°42'10.34" (-103.702871°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441588.31' E: 736174.22' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441529.53' E: 694989.87' |

| BEGIN ACCESS ROAD "C" - EL: 3566.4' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'40.61" (32.211280°) |
| LONGITUDE = -103°42'00.66" (-103.700184°) |
| **NAD 27** |
| LATITUDE = 32°12'40.16" (32.211156°) |
| LONGITUDE = -103°41'58.93" (-103.699703°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441174.34' E: 737156.64' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441115.57' E: 695972.28' |

| ACCESS ROAD "C" P.I. #1 - EL: 3563.5' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'45.04" (32.212512°) |
| LONGITUDE = -103°42'00.64" (-103.700179°) |
| **NAD 27** |
| LATITUDE = 32°12'44.60" (32.212388°) |
| LONGITUDE = -103°41'58.91" (-103.699698°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441622.67' E: 737155.55' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441563.89' E: 695971.21' |

| END ACCESS ROAD "C" - EL: 3564.9' |
|---|
| **NAD 83** |
| LATITUDE = 32°12'45.06" (32.212516°) |
| LONGITUDE = -103°42'03.75" (-103.701041°) |
| **NAD 27** |
| LATITUDE = 32°12'44.61" (32.212392°) |
| LONGITUDE = -103°42'02.02" (-103.700560°) |
| **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441622.44' E: 736888.87' |
| **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441563.66' E: 695704.53' |

*Sheet 3 of 3*

| REV: 2 | 04-03-25 | N.W.J. | (UPDATE PAD NAME, UPDATE ROADS) |
|---|---|---|---|

**NOTES:**

- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

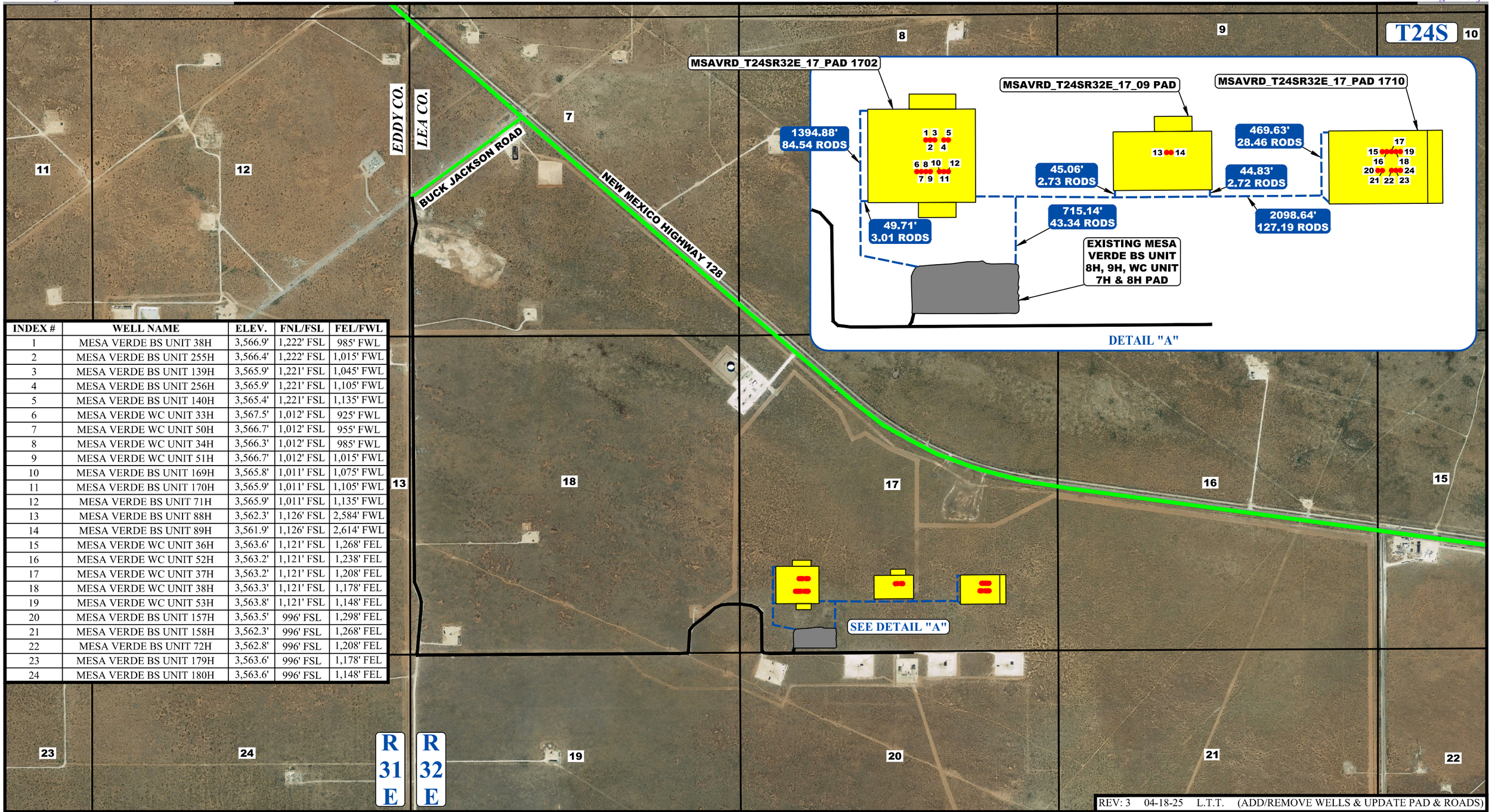
# OXY USA INC.

**MSAVRD_T24SR32E_17_PAD 1702**
**SW 1/4 SW 1/4, SECTION 17, T24S, R32E, N.M.P.M.**
**LEA COUNTY, NEW MEXICO**

| SURVEYED BY | C.T., K.H. | 04-03-25 | SCALE |
|---|---|---|---|
| DRAWN BY | Z.L. | 07-05-23 | AS SHOWN |

**SITE PLAN**

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017




| INDEX # | WELL NAME | ELEV. | FNL/FSL | FEL/FWL |
|---|---|---|---|---|
| 1 | MESA VERDE BS UNIT 38H | 3,566.9' | 1,222' FSL | 985' FWL |
| 2 | MESA VERDE BS UNIT 255H | 3,566.4' | 1,222' FSL | 1,015' FWL |
| 3 | MESA VERDE BS UNIT 139H | 3,565.9' | 1,221' FSL | 1,045' FWL |
| 4 | MESA VERDE BS UNIT 256H | 3,565.9' | 1,221' FSL | 1,105' FWL |
| 5 | MESA VERDE BS UNIT 140H | 3,565.4' | 1,221' FSL | 1,135' FWL |
| 6 | MESA VERDE WC UNIT 33H | 3,567.5' | 1,012' FSL | 925' FWL |
| 7 | MESA VERDE WC UNIT 50H | 3,566.7' | 1,012' FSL | 955' FWL |
| 8 | MESA VERDE WC UNIT 34H | 3,566.3' | 1,012' FSL | 985' FWL |
| 9 | MESA VERDE WC UNIT 51H | 3,566.7' | 1,012' FSL | 1,015' FWL |
| 10 | MESA VERDE BS UNIT 169H | 3,565.8' | 1,011' FSL | 1,075' FWL |
| 11 | MESA VERDE BS UNIT 170H | 3,565.9' | 1,011' FSL | 1,105' FWL |
| 12 | MESA VERDE BS UNIT 71H | 3,565.9' | 1,011' FSL | 1,135' FWL |
| 13 | MESA VERDE BS UNIT 88H | 3,562.3' | 1,126' FSL | 2,584' FWL |
| 14 | MESA VERDE BS UNIT 89H | 3,561.9' | 1,126' FSL | 2,614' FWL |
| 15 | MESA VERDE WC UNIT 36H | 3,563.6' | 1,121' FSL | 1,268' FEL |
| 16 | MESA VERDE WC UNIT 52H | 3,563.2' | 1,121' FSL | 1,238' FEL |
| 17 | MESA VERDE WC UNIT 37H | 3,563.2' | 1,121' FSL | 1,208' FEL |
| 18 | MESA VERDE WC UNIT 38H | 3,563.3' | 1,121' FSL | 1,178' FEL |
| 19 | MESA VERDE WC UNIT 53H | 3,563.8' | 1,121' FSL | 1,148' FEL |
| 20 | MESA VERDE BS UNIT 157H | 3,563.5' | 996' FSL | 1,298' FEL |
| 21 | MESA VERDE BS UNIT 158H | 3,562.3' | 996' FSL | 1,268' FEL |
| 22 | MESA VERDE BS UNIT 72H | 3,562.8' | 996' FSL | 1,208' FEL |
| 23 | MESA VERDE BS UNIT 179H | 3,563.6' | 996' FSL | 1,178' FEL |
| 24 | MESA VERDE BS UNIT 180H | 3,563.6' | 996' FSL | 1,148' FEL |

REV: 3 04-18-25 L.T.T. (ADD/REMOVE WELLS & UPDATE PAD & ROADS)

**LEGEND:**

- EXISTING LEASE ROAD
- PROPOSED ROAD
- EXISTING NM NAMED ROADS

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

N

**OXY USA INC.**

**MSAVRD_T24SR32E_17_02, 17_09 & 17_10 OVERALL MAP**
**SECTION 17, T24S, R32E, N.M.P.M.**
**LEA COUNTY, NEW MEXICO**

| SURVEYED BY | C.T. | 04-15-25 | SCALE |
|---|---|---|---|
| DRAWN BY | Z.L. | 07-20-23 | 1 : 18,000 |

**OVERALL IMAGERY MAP**

# Oxy USA Inc. - Mesa Verde BS Unit 255H
## Drill Plan

### 1. Geologic Formations

| | | | |
|---|---|---|---|
| TVD of Target (ft): | 9703 | Pilot Hole Depth (ft): | |
| Total Measured Depth (ft): | 20116 | Deepest Expected Fresh Water (ft): | 841 |

**Delaware Basin**

| Formation | MD-RKB (ft) | TVD-RKB (ft) | Expected Fluids |
|---|---|---|---|
| Rustler | 841 | 841 | |
| Salado | 1170 | 1170 | Salt |
| Marker Bed 126 | 1800 | 1800 | Salt |
| Castile | 3108 | 3108 | Salt |
| Delaware | 4663 | 4663 | Oil/Gas/Brine |
| Bell Canyon | 4691 | 4691 | Oil/Gas/Brine |
| Cherry Canyon | 5585 | 5573 | Oil/Gas/Brine |
| Brushy Canyon | 6954 | 6882 | Losses |
| Bone Spring | 8735 | 8586 | Oil/Gas |
| Bone Spring 1st | 10006 | 9670 | Oil/Gas |
| Bone Spring 2nd | | | Oil/Gas |
| Bone Spring 3rd | | | Oil/Gas |
| Wolfcamp | | | Oil/Gas |
| Penn | | | Oil/Gas |
| Strawn | | | Oil/Gas |

*H2S, water flows, loss of circulation, abnormal pressures, etc.

### 2. Casing Program

| | | MD | | TVD | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Section | Hole Size (in) | From (ft) | To (ft) | From (ft) | To (ft) | Csg. OD (in) | Csg Wt. (ppf) | Grade | Conn. |
| Surface | 14.75 | 0 | 901 | 0 | 901 | 10.75 | 45.5 | J-55 | BTC |
| Intermediate | 9.875 | 0 | 9030 | 0 | 8863 | 7.625 | 26.4 | L-80 HC | BTC |
| Production | 6.75 | 0 | 20116 | 0 | 9703 | 5.5 | 20 | P-110 | DWC/C-HT-IS |

All casing strings will be tested in accordance with 43 CFR part 3170 Subpart 3172

| *All Casing SF Values will meet or exceed those below* | | | |
|---|---|---|---|
| **SF Collapse** | **SF Burst** | **Body SF Tension** | **Joint SF Tension** |
| 1.00 | 1.100 | 1.4 | 1.4 |

## Annular Clearance Variance Request

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow deviation from the 0.422" annular clearance requirement. Please see Annular Clearance Variance attachment for further details.

| | Y or N |
|---|---|
| Is casing new? If used, attach certification as required in 43 CFR 3160 | Y |
| Does casing meet API specifications? If no, attach casing specification sheet. | Y |
| Is premium or uncommon casing planned? If yes attach casing specification sheet. | Y |
| Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria). | Y |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing? | Y |
| | |
| Is well located within Capitan Reef? | N |
| If yes, does production casing cement tie back a minimum of 50' above the Reef? | |
| Is well within the designated 4 string boundary. | |
| | |
| Is well located in SOPA but not in R-111-Q? | N |
| If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing? | |
| | |
| Is well located in R-111-Q and SOPA? | N |
| If yes, are the first three strings cemented to surface? | |
| Is 2nd string set 100' to 600' below the base of salt? | |
| | |
| Is well located in high Cave/Karst? | N |
| If yes, are there two strings cemented to surface? | |
| (For 2 string wells) If yes, is there a contingency casing if lost circulation occurs? | |
| | |
| Is well located in critical Cave/Karst? | N |
| If yes, are there three strings cemented to surface? | |

## 3. Cementing Program

| Section | Stage | Slurry: | Sacks | Yield (ft^3/ft) | Density (lb/gal) | Excess: | TOC | Placement | Description |
|---|---|---|---|---|---|---|---|---|---|
| Surface | 1 | Surface - Tail | 754 | 1.33 | 14.8 | 100% | - | Circulate | Class C+Accel. |
| Int. | 1 | Intermediate 1S - Tail | 245 | 1.68 | 13.2 | 5% | 7,204 | Circulate | Class C+Ret., Disper. |
| Int. | 2 | Intermediate 2S - Tail BH | 1113 | 1.71 | 13.3 | 25% | - | Bradenhead | Class C+Accel. |
| Prod. | 1 | Production - Tail | 656 | 1.84 | 13.3 | 25% | 8,530 | Circulate | Class C+Ret. |

**Offline Cementing Request**

Oxy requests a variance to cement the 9.625" and/or 7.625" intermediate casing strings offline in accordance to the approved variance, EC Tran 461365. Please see Offline Cementing Variance attachment for further details.

**Bradenhead CBL Request**

Oxy requests permission to adjust the CBL requirement after bradenhead cement jobs, on 7-5/8" intermediate casings, as per the agreement reached in the OXY/BLM meeting on September 5, 2019. Please see Bradenhead CBL Variance attachment for further details.

## 4. Pressure Control Equipment

| BOP installed and tested before drilling which hole? | Size? | Min. Required WP | Type | ✓ | Tested to: | Deepest TVD Depth (ft) per Section: |
|---|---|---|---|---|---|---|
| 9.875" Hole | 13-5/8" | 5M | Annular | ✓ | 70% of working pressure | 8863 |
| | | 5M | Blind Ram | ✓ | 250 psi / 5000 psi | |
| | | | Pipe Ram | | | |
| | | | Double Ram | ✓ | | |
| | | | Other* | | | |
| 6.75" Hole | 13-5/8" | 5M | Annular | ✓ | 70% of working pressure | 9703 |
| | | 5M | Blind Ram | ✓ | 250 psi / 5000 psi | |
| | | | Pipe Ram | | | |
| | | | Double Ram | ✓ | | |
| | | | Other* | | | |

*Specify if additional ram is utilized

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.

| | |
|---|---|
| | Formation integrity test will be performed per 43 CFR part 3170 Subpart 3172. |
| | On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR part 3170 Subpart 3172. |
| | |
| | A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart. |
| | Y Are anchors required by manufacturer? |
| | A multibowl or a unionized multibowl wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per 43 CFR part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015.<br><br>See attached schematics. |

**BOP Break Testing Request**

Oxy requests permission to adjust the BOP break testing (intermediate and production) requirements as per the agreement reached in the OXY/BLM meeting on April 4th, 2025. Please see BOP Break Testing Variance attachment for further details.

**Oxy will use Cameron ADAPT wellhead system that uses an OEC top flange connection. This connection has been fully vetted and verified by API to Spec 6A and carries an API monogram.**

## 5. Mud Program

| Section | Depth - MD | | Depth - TVD | | Type | Weight (ppg) | Viscosity | Water Loss |
|---|---|---|---|---|---|---|---|---|
| | From (ft) | To (ft) | From (ft) | To (ft) | | | | |
| Surface | 0 | 901 | 0 | 901 | Water-Based Mud | 8.6 - 8.8 | 40-60 | N/C |
| Intermediate | 901 | 9030 | 901 | 8863 | Saturated Brine-Based or Oil-Based Mud | 8.0 - 10.0 | 35-45 | N/C |
| Production | 9030 | 20116 | 8863 | 9703 | Water-Based or Oil-Based Mud | 8.0 - 9.6 | 38-50 | N/C |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

| | |
|---|---|
| What will be used to monitor the loss or gain of fluid? | PVT/MD Totco/Visual Monitoring |

## 6. Logging and Testing Procedures

| Logging, Coring and Testing. | |
|---|---|
| Yes | Will run GR from TD to surface (horizontal well – vertical portion of hole). |
| | Stated logs run will be in the Completion Report and submitted to the BLM. |
| No | Logs are planned based on well control or offset log information. |
| No | Drill stem test? If yes, explain |
| No | Coring? If yes, explain |

| Additional logs planned | | Interval |
|---|---|---|
| No | Resistivity | |
| No | Density | |
| Yes | CBL | Production string |
| Yes | Mud log | Bone Spring – TD |
| No | PEX | |

## 7. Drilling Conditions

| Condition | Specify what type and where? |
|---|---|
| BH Pressure at deepest TVD | 4844 psi |
| Abnormal Temperature | No |
| BH Temperature at deepest TVD | 158°F |

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal

| Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR part 3170 Subpart 3172. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM. | |
|---|---|
| N | H2S is present |
| Y | H2S Plan attached |

## 8. Other facets of operation

| | Yes/No |
|---|---|
| Will the well be drilled with a walking/skidding operation? If yes, describe.<br>We plan to drill the 5 well pad in batch by section: all surface sections, intermediate sections and production sections. The wellhead will be secured with a night cap whenever the rig is not over the well. | Yes |
| Will more than one drilling rig be used for drilling operations? If yes, describe.<br>Oxy requests the option to contract a Surface Rig to drill, set surface casing, and cement for this well. If the timing between rigs is such that Oxy would not be able to preset surface, the Primary Rig will MIRU and drill the well in its entirety per the APD. Please see the attached document for information on the spudder rig. | Yes |

**Total Estimated Cuttings Volume:** 1452 bbls

# OXY

**PRD NM DIRECTIONAL PLANS (NAD 1983)**
**Mesa Verde BS Unit**
**Mesa Verde BS Unit 255H**

**Wellbore #1**

**Plan: Permitting Plan**

# Standard Planning Report

**29 April, 2025**

# OXY
## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | HOPSPP | **Local Co-ordinate Reference:** | Well Mesa Verde BS Unit 255H |
| **Company:** | ENGINEERING DESIGNS | **TVD Reference:** | RKB=25' @ 3591.40ft |
| **Project:** | PRD NM DIRECTIONAL PLANS (NAD 1983) | **MD Reference:** | RKB=25' @ 3591.40ft |
| **Site:** | Mesa Verde BS Unit | **North Reference:** | Grid |
| **Well:** | Mesa Verde BS Unit 255H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Permitting Plan | | |

**Project** PRD NM DIRECTIONAL PLANS (NAD 1983)

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1983 | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | North American Datum 1983 | | |
| **Map Zone:** | New Mexico Eastern Zone | | Using geodetic scale factor |

**Site** Mesa Verde BS Unit

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 441,628.38 usft | **Latitude:** | 32.212703 |
| **From:** | Map | **Easting:** | 726,045.01 usft | **Longitude:** | -103.736102 |
| **Position Uncertainty:** | 0.00 ft | **Slot Radius:** | 13.200 in | | |

**Well** Mesa Verde BS Unit 255H

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.00 ft | **Northing:** | 441,996.03 usf | **Latitude:** | 32.213548 |
| | **+E/-W** | 0.00 ft | **Easting:** | 736,586.45 usf | **Longitude:** | -103.702012 |
| **Position Uncertainty** | | 2.00 ft | **Wellhead Elevation:** | ft | **Ground Level:** | 3,566.40 ft |
| **Grid Convergence:** | | 0.34 ° | | | | |

**Wellbore** Wellbore #1

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | HDGM_FILE | 4/29/2025 | 6.15 | 59.70 | 47,229.80000000 |

**Design** Permitting Plan

**Audit Notes:**

| | | | | |
|---|---|---|---|---|
| **Version:** | **Phase:** | PROTOTYPE | **Tie On Depth:** | 0.00 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|---|---|---|---|---|
| | 0.00 | 0.00 | 0.00 | 358.75 |

**Plan Survey Tool Program** **Date** 4/29/2025

| | Depth From (ft) | Depth To (ft) | Survey (Wellbore) | Tool Name | Remarks |
|---|---|---|---|---|---|
| 1 | 0.00 | 20,115.38 | Permitting Plan (Wellbore #1) | B005Mc_MWD+HRGM+SA | |
| | | | | MWD+HRGM+Sag+MSA | |

**Plan Sections**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,759.00 | 0.00 | 0.00 | 4,759.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,609.19 | 17.00 | 185.84 | 5,596.77 | -124.58 | -12.75 | 2.00 | 2.00 | 0.00 | 185.84 | |
| 9,129.75 | 17.00 | 185.84 | 8,963.42 | -1,148.77 | -117.55 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10,202.77 | 90.40 | 359.67 | 9,702.54 | -596.72 | -145.27 | 10.00 | 6.84 | 16.20 | 173.53 | |
| 20,115.77 | 90.40 | 359.67 | 9,633.35 | 9,315.87 | -203.13 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL (Mesa Verde |

# OXY
## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | HOPSPP | **Local Co-ordinate Reference:** | Well Mesa Verde BS Unit 255H |
| **Company:** | ENGINEERING DESIGNS | **TVD Reference:** | RKB=25' @ 3591.40ft |
| **Project:** | PRD NM DIRECTIONAL PLANS (NAD 1983) | **MD Reference:** | RKB=25' @ 3591.40ft |
| **Site:** | Mesa Verde BS Unit | **North Reference:** | Grid |
| **Well:** | Mesa Verde BS Unit 255H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Permitting Plan | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 0.00 | 0.00 | 1,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 0.00 | 0.00 | 1,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 0.00 | 0.00 | 1,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 0.00 | 0.00 | 1,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 0.00 | 0.00 | 1,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 0.00 | 0.00 | 1,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 0.00 | 0.00 | 1,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 0.00 | 0.00 | 2,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 0.00 | 0.00 | 2,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 0.00 | 0.00 | 2,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 0.00 | 0.00 | 2,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 0.00 | 0.00 | 2,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 0.00 | 0.00 | 2,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 0.00 | 0.00 | 2,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 0.00 | 0.00 | 2,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 0.00 | 0.00 | 2,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 0.00 | 0.00 | 2,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 0.00 | 0.00 | 3,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 0.00 | 0.00 | 3,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 0.00 | 0.00 | 3,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 0.00 | 0.00 | 3,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 0.00 | 0.00 | 3,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 0.00 | 0.00 | 3,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 0.00 | 0.00 | 3,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 0.00 | 0.00 | 3,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 0.00 | 0.00 | 3,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 0.00 | 0.00 | 3,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 0.00 | 0.00 | 4,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 0.00 | 0.00 | 4,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 0.00 | 0.00 | 4,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 0.00 | 0.00 | 4,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 0.00 | 0.00 | 4,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 0.00 | 0.00 | 4,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 0.00 | 0.00 | 4,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 0.00 | 0.00 | 4,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,759.00 | 0.00 | 0.00 | 4,759.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Build 2°/100'** | | | | | | | | | |
| 4,800.00 | 0.82 | 185.84 | 4,800.00 | -0.29 | -0.03 | -0.29 | 2.00 | 2.00 | 0.00 |
| 4,900.00 | 2.82 | 185.84 | 4,899.94 | -3.45 | -0.35 | -3.44 | 2.00 | 2.00 | 0.00 |
| 5,000.00 | 4.82 | 185.84 | 4,999.72 | -10.08 | -1.03 | -10.05 | 2.00 | 2.00 | 0.00 |
| 5,100.00 | 6.82 | 185.84 | 5,099.20 | -20.17 | -2.06 | -20.12 | 2.00 | 2.00 | 0.00 |
| 5,200.00 | 8.82 | 185.84 | 5,198.26 | -33.70 | -3.45 | -33.62 | 2.00 | 2.00 | 0.00 |

# OXY
## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | HOPSPP | **Local Co-ordinate Reference:** | Well Mesa Verde BS Unit 255H |
| **Company:** | ENGINEERING DESIGNS | **TVD Reference:** | RKB=25' @ 3591.40ft |
| **Project:** | PRD NM DIRECTIONAL PLANS (NAD 1983) | **MD Reference:** | RKB=25' @ 3591.40ft |
| **Site:** | Mesa Verde BS Unit | **North Reference:** | Grid |
| **Well:** | Mesa Verde BS Unit 255H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Permitting Plan | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 5,300.00 | 10.82 | 185.84 | 5,296.79 | -50.67 | -5.18 | -50.54 | 2.00 | 2.00 | 0.00 |
| 5,400.00 | 12.82 | 185.84 | 5,394.66 | -71.04 | -7.27 | -70.87 | 2.00 | 2.00 | 0.00 |
| 5,500.00 | 14.82 | 185.84 | 5,491.77 | -94.80 | -9.70 | -94.57 | 2.00 | 2.00 | 0.00 |
| 5,600.00 | 16.82 | 185.84 | 5,587.97 | -121.92 | -12.48 | -121.62 | 2.00 | 2.00 | 0.00 |
| 5,609.19 | 17.00 | 185.84 | 5,596.77 | -124.58 | -12.75 | -124.28 | 2.00 | 2.00 | 0.00 |
| **Hold 17° Tangent** | | | | | | | | | |
| 5,700.00 | 17.00 | 185.84 | 5,683.61 | -151.00 | -15.45 | -150.63 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 17.00 | 185.84 | 5,779.23 | -180.09 | -18.43 | -179.65 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 17.00 | 185.84 | 5,874.86 | -209.18 | -21.40 | -208.67 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 17.00 | 185.84 | 5,970.49 | -238.28 | -24.38 | -237.69 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 17.00 | 185.84 | 6,066.12 | -267.37 | -27.36 | -266.71 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 17.00 | 185.84 | 6,161.75 | -296.46 | -30.34 | -295.73 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 17.00 | 185.84 | 6,257.38 | -325.55 | -33.31 | -324.75 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 17.00 | 185.84 | 6,353.00 | -354.64 | -36.29 | -353.77 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 17.00 | 185.84 | 6,448.63 | -383.73 | -39.27 | -382.79 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 17.00 | 185.84 | 6,544.26 | -412.83 | -42.24 | -411.81 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 17.00 | 185.84 | 6,639.89 | -441.92 | -45.22 | -440.83 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 17.00 | 185.84 | 6,735.52 | -471.01 | -48.20 | -469.85 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 17.00 | 185.84 | 6,831.15 | -500.10 | -51.17 | -498.87 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 17.00 | 185.84 | 6,926.78 | -529.19 | -54.15 | -527.89 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 17.00 | 185.84 | 7,022.40 | -558.28 | -57.13 | -556.91 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 17.00 | 185.84 | 7,118.03 | -587.38 | -60.10 | -585.93 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 17.00 | 185.84 | 7,213.66 | -616.47 | -63.08 | -614.95 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 17.00 | 185.84 | 7,309.29 | -645.56 | -66.06 | -643.97 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 17.00 | 185.84 | 7,404.92 | -674.65 | -69.03 | -672.99 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 17.00 | 185.84 | 7,500.55 | -703.74 | -72.01 | -702.01 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 17.00 | 185.84 | 7,596.18 | -732.83 | -74.99 | -731.03 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 17.00 | 185.84 | 7,691.80 | -761.93 | -77.96 | -760.05 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 17.00 | 185.84 | 7,787.43 | -791.02 | -80.94 | -789.07 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 17.00 | 185.84 | 7,883.06 | -820.11 | -83.92 | -818.09 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 17.00 | 185.84 | 7,978.69 | -849.20 | -86.89 | -847.11 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 17.00 | 185.84 | 8,074.32 | -878.29 | -89.87 | -876.13 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 17.00 | 185.84 | 8,169.95 | -907.38 | -92.85 | -905.15 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 17.00 | 185.84 | 8,265.58 | -936.48 | -95.83 | -934.17 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 17.00 | 185.84 | 8,361.20 | -965.57 | -98.80 | -963.18 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 17.00 | 185.84 | 8,456.83 | -994.66 | -101.78 | -992.20 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 17.00 | 185.84 | 8,552.46 | -1,023.75 | -104.76 | -1,021.22 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 17.00 | 185.84 | 8,648.09 | -1,052.84 | -107.73 | -1,050.24 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 17.00 | 185.84 | 8,743.72 | -1,081.94 | -110.71 | -1,079.26 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 17.00 | 185.84 | 8,839.35 | -1,111.03 | -113.69 | -1,108.28 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 17.00 | 185.84 | 8,934.97 | -1,140.12 | -116.66 | -1,137.30 | 0.00 | 0.00 | 0.00 |
| 9,129.75 | 17.00 | 185.84 | 8,963.42 | -1,148.77 | -117.55 | -1,145.94 | 0.00 | 0.00 | 0.00 |
| **KOP, Build & Turn 10°/100'** | | | | | | | | | |
| 9,200.00 | 10.05 | 190.37 | 9,031.68 | -1,165.04 | -119.70 | -1,162.16 | 10.00 | -9.89 | 6.45 |
| 9,300.00 | 1.89 | 273.39 | 9,131.14 | -1,173.55 | -122.93 | -1,170.60 | 10.00 | -8.16 | 83.02 |
| 9,400.00 | 10.30 | 349.19 | 9,230.56 | -1,164.66 | -126.26 | -1,161.63 | 10.00 | 8.40 | 75.81 |
| 9,500.00 | 20.21 | 354.51 | 9,326.92 | -1,138.62 | -129.60 | -1,135.52 | 10.00 | 9.91 | 5.32 |
| 9,600.00 | 30.18 | 356.40 | 9,417.30 | -1,096.23 | -132.83 | -1,093.08 | 10.00 | 9.97 | 1.89 |
| 9,700.00 | 40.16 | 357.41 | 9,498.94 | -1,038.79 | -135.87 | -1,035.58 | 10.00 | 9.98 | 1.01 |
| 9,800.00 | 50.15 | 358.08 | 9,569.37 | -968.03 | -138.63 | -964.78 | 10.00 | 9.99 | 0.66 |
| 9,900.00 | 60.14 | 358.57 | 9,626.45 | -886.11 | -141.01 | -882.83 | 10.00 | 9.99 | 0.49 |
| 10,000.00 | 70.13 | 358.97 | 9,668.44 | -795.52 | -142.94 | -792.21 | 10.00 | 9.99 | 0.40 |
| 10,100.00 | 80.13 | 359.32 | 9,694.07 | -699.00 | -144.37 | -695.68 | 10.00 | 9.99 | 0.35 |
| 10,200.00 | 90.12 | 359.66 | 9,702.56 | -599.49 | -145.25 | -596.18 | 10.00 | 9.99 | 0.33 |
| 10,202.77 | 90.40 | 359.67 | 9,702.54 | -596.72 | -145.27 | -593.41 | 10.00 | 9.99 | 0.33 |

# OXY
## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | HOPSPP | **Local Co-ordinate Reference:** | Well Mesa Verde BS Unit 255H |
| **Company:** | ENGINEERING DESIGNS | **TVD Reference:** | RKB=25' @ 3591.40ft |
| **Project:** | PRD NM DIRECTIONAL PLANS (NAD 1983) | **MD Reference:** | RKB=25' @ 3591.40ft |
| **Site:** | Mesa Verde BS Unit | **North Reference:** | Grid |
| **Well:** | Mesa Verde BS Unit 255H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Permitting Plan | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| **Landing Point** | | | | | | | | | |
| 10,300.00 | 90.40 | 359.67 | 9,701.86 | -499.49 | -145.84 | -496.20 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.40 | 359.67 | 9,701.17 | -399.50 | -146.42 | -396.21 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.40 | 359.67 | 9,700.47 | -299.50 | -147.01 | -296.23 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.40 | 359.67 | 9,699.77 | -199.51 | -147.59 | -196.24 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.40 | 359.67 | 9,699.07 | -99.51 | -148.17 | -96.26 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.40 | 359.67 | 9,698.37 | 0.49 | -148.76 | 3.73 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.40 | 359.67 | 9,697.68 | 100.48 | -149.34 | 103.71 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.40 | 359.67 | 9,696.98 | 200.48 | -149.92 | 203.70 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.40 | 359.67 | 9,696.28 | 300.47 | -150.51 | 303.68 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.40 | 359.67 | 9,695.58 | 400.47 | -151.09 | 403.67 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.40 | 359.67 | 9,694.88 | 500.46 | -151.67 | 503.65 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.40 | 359.67 | 9,694.19 | 600.46 | -152.26 | 603.64 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.40 | 359.67 | 9,693.49 | 700.46 | -152.84 | 703.62 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.40 | 359.67 | 9,692.79 | 800.45 | -153.43 | 803.61 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.40 | 359.67 | 9,692.09 | 900.45 | -154.01 | 903.59 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.40 | 359.67 | 9,691.39 | 1,000.44 | -154.59 | 1,003.58 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.40 | 359.67 | 9,690.70 | 1,100.44 | -155.18 | 1,103.56 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.40 | 359.67 | 9,690.00 | 1,200.44 | -155.76 | 1,203.55 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.40 | 359.67 | 9,689.30 | 1,300.43 | -156.34 | 1,303.53 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.40 | 359.67 | 9,688.60 | 1,400.43 | -156.93 | 1,403.52 | 0.00 | 0.00 | 0.00 |
| 12,218.57 | 90.40 | 359.67 | 9,688.47 | 1,419.00 | -157.04 | 1,422.08 | 0.00 | 0.00 | 0.00 |
| **LC 1 Cross** | | | | | | | | | |
| 12,300.00 | 90.40 | 359.67 | 9,687.90 | 1,500.42 | -157.51 | 1,503.50 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.40 | 359.67 | 9,687.21 | 1,600.42 | -158.09 | 1,603.49 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.40 | 359.67 | 9,686.51 | 1,700.41 | -158.68 | 1,703.47 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.40 | 359.67 | 9,685.81 | 1,800.41 | -159.26 | 1,803.45 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.40 | 359.67 | 9,685.11 | 1,900.41 | -159.85 | 1,903.44 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 90.40 | 359.67 | 9,684.41 | 2,000.40 | -160.43 | 2,003.42 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 90.40 | 359.67 | 9,683.72 | 2,100.40 | -161.01 | 2,103.41 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 90.40 | 359.67 | 9,683.02 | 2,200.39 | -161.60 | 2,203.39 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 90.40 | 359.67 | 9,682.32 | 2,300.39 | -162.18 | 2,303.38 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 90.40 | 359.67 | 9,681.62 | 2,400.39 | -162.76 | 2,403.36 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.40 | 359.67 | 9,680.92 | 2,500.38 | -163.35 | 2,503.35 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 90.40 | 359.67 | 9,680.23 | 2,600.38 | -163.93 | 2,603.33 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.40 | 359.67 | 9,679.53 | 2,700.37 | -164.52 | 2,703.32 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.40 | 359.67 | 9,678.83 | 2,800.37 | -165.10 | 2,803.30 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 90.40 | 359.67 | 9,678.13 | 2,900.37 | -165.68 | 2,903.29 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.40 | 359.67 | 9,677.43 | 3,000.36 | -166.27 | 3,003.27 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 90.40 | 359.67 | 9,676.74 | 3,100.36 | -166.85 | 3,103.26 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 90.40 | 359.67 | 9,676.04 | 3,200.35 | -167.43 | 3,203.24 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 90.40 | 359.67 | 9,675.34 | 3,300.35 | -168.02 | 3,303.23 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 90.40 | 359.67 | 9,674.64 | 3,400.34 | -168.60 | 3,403.21 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 90.40 | 359.67 | 9,673.94 | 3,500.34 | -169.18 | 3,503.20 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.40 | 359.67 | 9,673.24 | 3,600.34 | -169.77 | 3,603.18 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.40 | 359.67 | 9,672.55 | 3,700.33 | -170.35 | 3,703.17 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.40 | 359.67 | 9,671.85 | 3,800.33 | -170.94 | 3,803.15 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.40 | 359.67 | 9,671.15 | 3,900.32 | -171.52 | 3,903.14 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.40 | 359.67 | 9,670.45 | 4,000.32 | -172.10 | 4,003.12 | 0.00 | 0.00 | 0.00 |
| 14,847.68 | 90.40 | 359.67 | 9,670.12 | 4,048.00 | -172.38 | 4,050.79 | 0.00 | 0.00 | 0.00 |
| **LC 2 Cross** | | | | | | | | | |
| 14,900.00 | 90.40 | 359.67 | 9,669.75 | 4,100.32 | -172.69 | 4,103.11 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 90.40 | 359.67 | 9,669.06 | 4,200.31 | -173.27 | 4,203.09 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 90.40 | 359.67 | 9,668.36 | 4,300.31 | -173.85 | 4,303.08 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 90.40 | 359.67 | 9,667.66 | 4,400.30 | -174.44 | 4,403.06 | 0.00 | 0.00 | 0.00 |

# OXY
## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | HOPSPP | **Local Co-ordinate Reference:** | Well Mesa Verde BS Unit 255H |
| **Company:** | ENGINEERING DESIGNS | **TVD Reference:** | RKB=25' @ 3591.40ft |
| **Project:** | PRD NM DIRECTIONAL PLANS (NAD 1983) | **MD Reference:** | RKB=25' @ 3591.40ft |
| **Site:** | Mesa Verde BS Unit | **North Reference:** | Grid |
| **Well:** | Mesa Verde BS Unit 255H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Permitting Plan | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 15,300.00 | 90.40 | 359.67 | 9,666.96 | 4,500.30 | -175.02 | 4,503.05 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 90.40 | 359.67 | 9,666.26 | 4,600.29 | -175.61 | 4,603.03 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 90.40 | 359.67 | 9,665.57 | 4,700.29 | -176.19 | 4,703.01 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 90.40 | 359.67 | 9,664.87 | 4,800.29 | -176.77 | 4,803.00 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 90.40 | 359.67 | 9,664.17 | 4,900.28 | -177.36 | 4,902.98 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 90.40 | 359.67 | 9,663.47 | 5,000.28 | -177.94 | 5,002.97 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 90.40 | 359.67 | 9,662.77 | 5,100.27 | -178.52 | 5,102.95 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 90.40 | 359.67 | 9,662.08 | 5,200.27 | -179.11 | 5,202.94 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 90.40 | 359.67 | 9,661.38 | 5,300.27 | -179.69 | 5,302.92 | 0.00 | 0.00 | 0.00 |
| 16,174.74 | 90.40 | 359.67 | 9,660.86 | 5,375.00 | -180.13 | 5,377.65 | 0.00 | 0.00 | 0.00 |
| **LC 3 Cross** | | | | | | | | | |
| 16,200.00 | 90.40 | 359.67 | 9,660.68 | 5,400.26 | -180.27 | 5,402.91 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 90.40 | 359.67 | 9,659.98 | 5,500.26 | -180.86 | 5,502.89 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 90.40 | 359.67 | 9,659.28 | 5,600.25 | -181.44 | 5,602.88 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 90.40 | 359.67 | 9,658.59 | 5,700.25 | -182.03 | 5,702.86 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 90.40 | 359.67 | 9,657.89 | 5,800.25 | -182.61 | 5,802.85 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 90.40 | 359.67 | 9,657.19 | 5,900.24 | -183.19 | 5,902.83 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 90.40 | 359.67 | 9,656.49 | 6,000.24 | -183.78 | 6,002.82 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 90.40 | 359.67 | 9,655.79 | 6,100.23 | -184.36 | 6,102.80 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 90.40 | 359.67 | 9,655.10 | 6,200.23 | -184.94 | 6,202.79 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 90.40 | 359.67 | 9,654.40 | 6,300.22 | -185.53 | 6,302.77 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 90.40 | 359.67 | 9,653.70 | 6,400.22 | -186.11 | 6,402.76 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 90.40 | 359.67 | 9,653.00 | 6,500.22 | -186.70 | 6,502.74 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 90.40 | 359.67 | 9,652.30 | 6,600.21 | -187.28 | 6,602.73 | 0.00 | 0.00 | 0.00 |
| 17,500.00 | 90.40 | 359.67 | 9,651.61 | 6,700.21 | -187.86 | 6,702.71 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 90.40 | 359.67 | 9,650.91 | 6,800.20 | -188.45 | 6,802.70 | 0.00 | 0.00 | 0.00 |
| 17,700.00 | 90.40 | 359.67 | 9,650.21 | 6,900.20 | -189.03 | 6,902.68 | 0.00 | 0.00 | 0.00 |
| 17,800.00 | 90.40 | 359.67 | 9,649.51 | 7,000.20 | -189.61 | 7,002.67 | 0.00 | 0.00 | 0.00 |
| 17,900.00 | 90.40 | 359.67 | 9,648.81 | 7,100.19 | -190.20 | 7,102.65 | 0.00 | 0.00 | 0.00 |
| 18,000.00 | 90.40 | 359.67 | 9,648.12 | 7,200.19 | -190.78 | 7,202.64 | 0.00 | 0.00 | 0.00 |
| 18,100.00 | 90.40 | 359.67 | 9,647.42 | 7,300.18 | -191.36 | 7,302.62 | 0.00 | 0.00 | 0.00 |
| 18,200.00 | 90.40 | 359.67 | 9,646.72 | 7,400.18 | -191.95 | 7,402.60 | 0.00 | 0.00 | 0.00 |
| 18,300.00 | 90.40 | 359.67 | 9,646.02 | 7,500.18 | -192.53 | 7,502.59 | 0.00 | 0.00 | 0.00 |
| 18,400.00 | 90.40 | 359.67 | 9,645.32 | 7,600.17 | -193.12 | 7,602.57 | 0.00 | 0.00 | 0.00 |
| 18,500.00 | 90.40 | 359.67 | 9,644.63 | 7,700.17 | -193.70 | 7,702.56 | 0.00 | 0.00 | 0.00 |
| 18,600.00 | 90.40 | 359.67 | 9,643.93 | 7,800.16 | -194.28 | 7,802.54 | 0.00 | 0.00 | 0.00 |
| 18,700.00 | 90.40 | 359.67 | 9,643.23 | 7,900.16 | -194.87 | 7,902.53 | 0.00 | 0.00 | 0.00 |
| 18,800.00 | 90.40 | 359.67 | 9,642.53 | 8,000.15 | -195.45 | 8,002.51 | 0.00 | 0.00 | 0.00 |
| 18,900.00 | 90.40 | 359.67 | 9,641.83 | 8,100.15 | -196.03 | 8,102.50 | 0.00 | 0.00 | 0.00 |
| 19,000.00 | 90.40 | 359.67 | 9,641.14 | 8,200.15 | -196.62 | 8,202.48 | 0.00 | 0.00 | 0.00 |
| 19,100.00 | 90.40 | 359.67 | 9,640.44 | 8,300.14 | -197.20 | 8,302.47 | 0.00 | 0.00 | 0.00 |
| 19,200.00 | 90.40 | 359.67 | 9,639.74 | 8,400.14 | -197.78 | 8,402.45 | 0.00 | 0.00 | 0.00 |
| 19,300.00 | 90.40 | 359.67 | 9,639.04 | 8,500.13 | -198.37 | 8,502.44 | 0.00 | 0.00 | 0.00 |
| 19,400.00 | 90.40 | 359.67 | 9,638.34 | 8,600.13 | -198.95 | 8,602.42 | 0.00 | 0.00 | 0.00 |
| 19,500.00 | 90.40 | 359.67 | 9,637.64 | 8,700.13 | -199.54 | 8,702.41 | 0.00 | 0.00 | 0.00 |
| 19,600.00 | 90.40 | 359.67 | 9,636.95 | 8,800.12 | -200.12 | 8,802.39 | 0.00 | 0.00 | 0.00 |
| 19,700.00 | 90.40 | 359.67 | 9,636.25 | 8,900.12 | -200.70 | 8,902.38 | 0.00 | 0.00 | 0.00 |
| 19,800.00 | 90.40 | 359.67 | 9,635.55 | 9,000.11 | -201.29 | 9,002.36 | 0.00 | 0.00 | 0.00 |
| 19,900.00 | 90.40 | 359.67 | 9,634.85 | 9,100.11 | -201.87 | 9,102.35 | 0.00 | 0.00 | 0.00 |
| 20,000.00 | 90.40 | 359.67 | 9,634.15 | 9,200.10 | -202.45 | 9,202.33 | 0.00 | 0.00 | 0.00 |
| 20,100.00 | 90.40 | 359.67 | 9,633.46 | 9,300.10 | -203.04 | 9,302.32 | 0.00 | 0.00 | 0.00 |
| 20,115.77 | 90.40 | 359.67 | 9,633.35 | 9,315.87 | -203.13 | 9,318.08 | 0.00 | 0.00 | 0.00 |
| **TD at 20115.77' MD** | | | | | | | | | |

# OXY
## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | HOPSPP | **Local Co-ordinate Reference:** | Well Mesa Verde BS Unit 255H |
| **Company:** | ENGINEERING DESIGNS | **TVD Reference:** | RKB=25' @ 3591.40ft |
| **Project:** | PRD NM DIRECTIONAL PLANS (NAD 1983) | **MD Reference:** | RKB=25' @ 3591.40ft |
| **Site:** | Mesa Verde BS Unit | **North Reference:** | Grid |
| **Well:** | Mesa Verde BS Unit 255H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Permitting Plan | | |

**Design Targets**

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| KOP (Mesa Verde BS<br>- plan misses target center by 1181.77ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)<br>- Point | 0.00 | 0.00 | 0.00 | -1,173.23 | -141.86 | 440,822.86 | 736,444.60 | 32.210325 | -103.702493 |
| PBHL (Mesa Verde BS<br>- plan hits target center<br>- Point | 0.00 | 0.00 | 9,633.35 | 9,315.87 | -203.13 | 451,311.44 | 736,383.33 | 32.239156 | -103.702492 |
| FTP (Mesa Verde BS<br>- plan misses target center by 205.50ft at 9786.63ft MD (9560.69 TVD, -978.19 N, -138.28 E)<br>- Point | 0.00 | 0.00 | 9,706.22 | -1,123.24 | -142.20 | 440,872.85 | 736,444.26 | 32.210463 | -103.702493 |

**Formations**

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---|---|---|---|---|---|
| 841.40 | 841.40 | RUSTLER | | | |
| 1,170.40 | 1,170.40 | SALADO | | | |
| 1,800.00 | 1,800.00 | MARKER BED 126 | | 0.00 | |
| 3,108.40 | 3,108.40 | CASTILE | | | |
| 4,663.40 | 4,663.40 | DELAWARE | | | |
| 4,691.40 | 4,691.40 | BELL CANYON | | | |
| 5,584.79 | 5,573.40 | CHERRY CANYON | | | |
| 6,953.60 | 6,882.40 | BRUSHY CANYON | | | |
| 8,735.49 | 8,586.40 | BONE SPRING | | | |
| 10,005.84 | 9,670.40 | BONE SPRING 1ST | | | |

**Plan Annotations**

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates +N/-S (ft) | Local Coordinates +E/-W (ft) | Comment |
|---|---|---|---|---|
| 4,759.00 | 4,759.00 | 0.00 | 0.00 | Build 2°/100' |
| 5,609.19 | 5,596.77 | -124.58 | -12.75 | Hold 17° Tangent |
| 9,129.75 | 8,963.42 | -1,148.77 | -117.55 | KOP, Build & Turn 10°/100' |
| 10,202.77 | 9,702.54 | -596.72 | -145.27 | Landing Point |
| 12,218.57 | 9,688.47 | 1,419.00 | -157.04 | LC 1 Cross |
| 14,847.68 | 9,670.12 | 4,048.00 | -172.38 | LC 2 Cross |
| 16,174.74 | 9,660.86 | 5,375.00 | -180.13 | LC 3 Cross |
| 20,115.77 | 9,633.35 | 9,315.87 | -203.13 | TD at 20115.77' MD |

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type: ☐ Initial Submittal ☑ Amended Report ☐ As Drilled

**WELL LOCATION INFORMATION**

| API Number | Pool Code | Pool Name |
|---|---|---|
| 30-025-54556 | 96229 | MESA VERDE; BONESPRING |

| Property Code | Property Name | Well Number |
|---|---|---|
| 320828 | MESA VERDE BS UNIT | 255H |

| OGRID No. | Operator Name | Ground Level Elevation |
|---|---|---|
| 16696 | OXY USA INC. | 3566.4' |

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☑ Federal  Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☑ Federal

Surface Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD 83) | Longitude (NAD 83) | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 17 | 24S | 32E | | 1222 SOUTH | 1015 WEST | 32.213547° | -103.702012° | LEA |

Bottom Hole Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD 83) | Longitude (NAD 83) | County |
|---|---|---|---|---|---|---|---|---|---|
| D | 8 | 24S | 32E | | 20 NORTH | 865 WEST | 32.239156° | -103.702492° | LEA |

| Dedicated Acres | Infill or Defining Well | Defining Well API | Overlapping Spacing Unit (Y/N) | Consolidation Code |
|---|---|---|---|---|
| 320 | INFILL | ~~30-025-54305~~ | N | U |

Order Numbers. N/A  Well setbacks are under Common Ownership: ☐Yes ☑No

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD 83) | Longitude (NAD 83) | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 17 | 24S | 32E | | 50 SOUTH | 865 WEST | 32.210325° | -103.702493° | LEA |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD 83) | Longitude (NAD 83) | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 17 | 24S | 32E | | 100 SOUTH | 865 WEST | 32.210462° | -103.702493° | LEA |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD 83) | Longitude (NAD 83) | County |
|---|---|---|---|---|---|---|---|---|---|
| D | 8 | 24S | 32E | | 100 NORTH | 865 WEST | 32.238936° | -103.702492° | LEA |

| Unitized Area or Area of Uniform Interest | Spacing Unit Type | Ground Floor Elevation: |
|---|---|---|
| 300386 | ☑ Horizontal ☐ Vertical | 3566.4' |

OPERATOR CERTIFICATIONS

*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.*

*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.*

Sara Guthrie  4/30/2025
Signature  Date

Sara Guthrie
Printed Name

sara_guthrie@oxy.com
Email Address

SURVEYOR CERTIFICATIONS

*I hereby certify that the well location shown on this plat was plotted from the 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.*

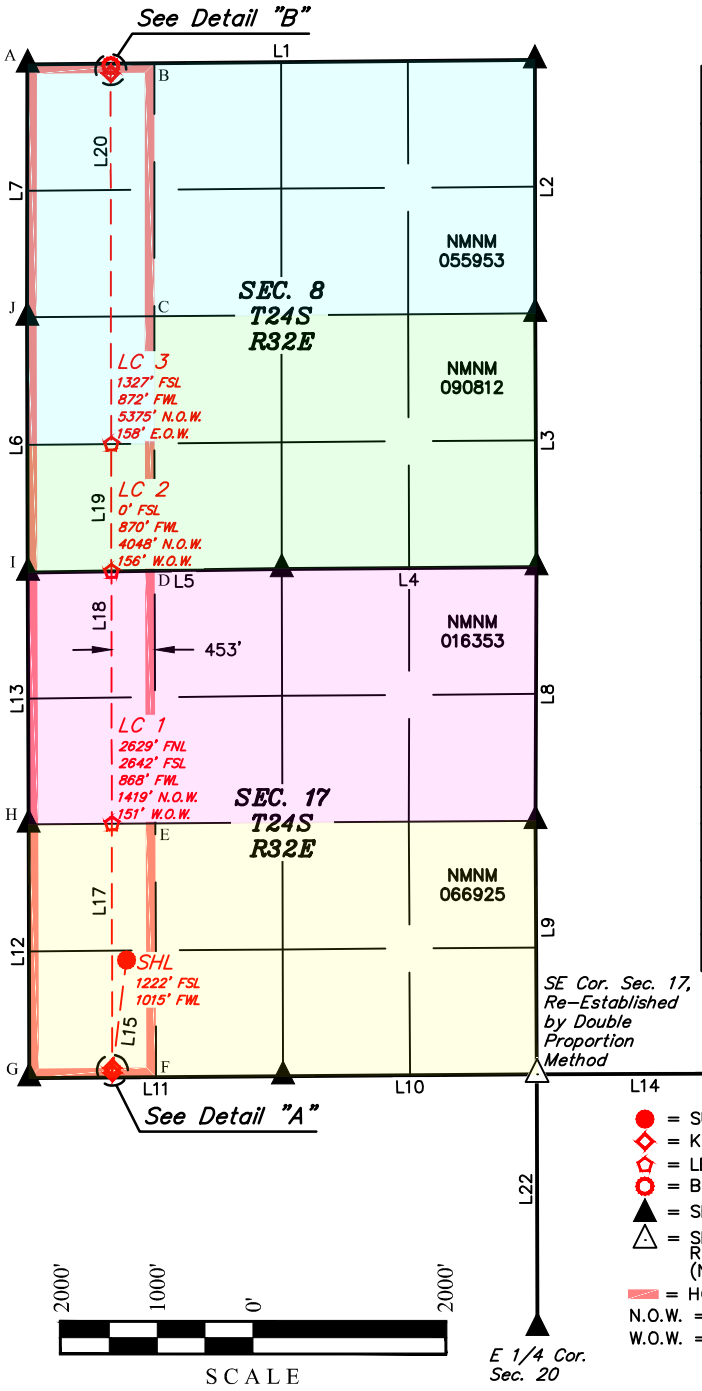
PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 04-03-25

Signature and Seal of Professional Surveyor

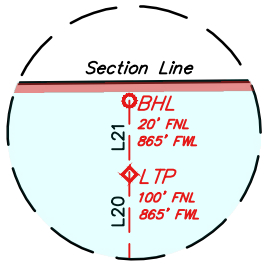
23782  April 3, 2025
Certificate Number  Date of Survey

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

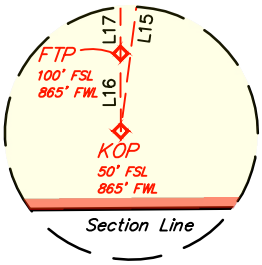
| Property Name | Well Number | Drawn By | Revised By |
|---|---|---|---|
| MESA VERDE BS UNIT | 255H | N.W.J. 04-03-25 | |




| LINE TABLE | | |
|---|---|---|
| LINE | DIRECTION | LENGTH |
| L1 | S89°29'59"W | 5283.93' |
| L2 | N00°04'48"W | 2641.34' |
| L3 | N00°15'58"W | 2642.02' |
| L4 | S89°34'05"W | 2651.72' |
| L5 | S89°11'30"W | 2645.01' |
| L6 | N00°10'10"W | 2659.70' |
| L7 | N00°05'58"E | 2634.82' |
| L8 | N00°12'41"E | 2641.33' |
| L9 | N00°20'08"W | 2641.25' |
| L10 | S89°34'26"W | 2644.37' |
| L11 | S89°33'26"W | 2643.73' |
| L12 | N00°09'14"W | 2642.01' |
| L13 | N00°09'17"W | 2623.31' |
| L14 | S89°46'46"W | 2650.96' |
| L15 | S07°08'03"W | 1181.93' |
| L16 | N00°09'14"W | 50.00' |
| L17 | N00°05'45"W | 2541.77' |
| L18 | N00°05'45"W | 2629.12' |
| L19 | N00°05'45"W | 1326.98' |
| L20 | N00°05'45"W | 3862.80' |
| L21 | N00°05'58"E | 80.00' |
| L22 | N00°08'10"W | 2641.21' |




Detail "B"
No Scale




Detail "A"
No Scale

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- Colored areas within section lines represent federal oil & gas leases.

● = SURFACE HOLE LOCATION
◇ = KICK OFF POINT/TAKE POINTS
⬠ = LEASE CROSSING
○ = BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED (Not Set on Ground.)
▭ = HORIZONTAL SPACING UNIT
N.O.W. = NORTH OF WELL
W.O.W. = WEST OF WELL

| HSU COORDINATES | | | | |
|---|---|---|---|---|
| | NAD 27 N.M. STATE PLANE, EAST ZONE | | NAD 83 N.M. STATE PLANE, EAST ZONE | |
| POINT | NORTHING | EASTING | NORTHING | EASTING |
| A | 451261.25' | 694334.52' | 451320.26' | 735518.47' |
| B | 451278.32' | 695655.15' | 451337.33' | 736839.10' |
| C | 448642.45' | 695665.34' | 448701.40' | 736849.40' |
| D | 445992.10' | 695681.81' | 446050.98' | 736865.98' |
| E | 443360.58' | 695699.53' | 443419.40' | 736883.81' |
| F | 440719.56' | 695717.30' | 440778.31' | 736901.68' |
| G | 440703.81' | 694395.78' | 440762.56' | 735580.15' |
| H | 443345.21' | 694377.73' | 443404.03' | 735562.00' |
| I | 445967.91' | 694359.77' | 446026.79' | 735543.94' |
| J | 448626.99' | 694340.87' | 448685.93' | 735524.93' |

| NAD 83 (SURFACE HOLE LOCATION) | NAD 83 (KICK OFF POINT) | NAD 83 (FIRST TAKE POINT) | NAD 83 (LEASE CROSSING 1) |
|---|---|---|---|
| LATITUDE = 32°12'48.77" (32.213547°) | LATITUDE = 32°12'37.17" (32.210325°) | LATITUDE = 32°12'37.66" (32.210462°) | LATITUDE = 32°13'02.81" (32.217448°) |
| LONGITUDE = -103°42'07.24" (-103.702012°) | LONGITUDE = -103°42'08.97" (-103.702493°) | LONGITUDE = -103°42'08.97" (-103.702493°) | LONGITUDE = -103°42'08.97" (-103.702493°) |
| **NAD 27 (SURFACE HOLE LOCATION)** | **NAD 27 (KICK OFF POINT)** | **NAD 27 (FIRST TAKE POINT)** | **NAD 27 (LEASE CROSSING 1)** |
| LATITUDE = 32°12'48.33" (32.213424°) | LATITUDE = 32°12'36.72" (32.210201°) | LATITUDE = 32°12'37.22" (32.210339°) | LATITUDE = 32°13'02.37" (32.217324°) |
| LONGITUDE = -103°42'05.51" (-103.701531°) | LONGITUDE = -103°42'07.24" (-103.702012°) | LONGITUDE = -103°42'07.24" (-103.702012°) | LONGITUDE = -103°42'07.24" (-103.702012°) |
| **STATE PLANE NAD 83 (N.M. EAST)** | **STATE PLANE NAD 83 (N.M. EAST)** | **STATE PLANE NAD 83 (N.M. EAST)** | **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 441996.03' E: 736586.45' | N: 440822.86' E: 736444.60' | N: 440872.85' E: 736444.26' | N: 443414.12' E: 736429.36' |
| **STATE PLANE NAD 27 (N.M. EAST)** | **STATE PLANE NAD 27 (N.M. EAST)** | **STATE PLANE NAD 27 (N.M. EAST)** | **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 441937.25' E: 695402.12' | N: 440764.10' E: 695260.22' | N: 440814.09' E: 695259.88' | N: 443355.30' E: 695245.09' |

| NAD 83 (LEASE CROSSING 2) | NAD 83 (LEASE CROSSING 3) | NAD 83 (LAST TAKE POINT) | NAD 83 (BOTTOM HOLE LOCATION) |
|---|---|---|---|
| LATITUDE = 32°13'28.82" (32.224674°) | LATITUDE = 32°13'41.95" (32.228320°) | LATITUDE = 32°14'20.17" (32.238936°) | LATITUDE = 32°14'20.96" (32.239156°) |
| LONGITUDE = -103°42'08.97" (-103.702493°) | LONGITUDE = -103°42'08.97" (-103.702493°) | LONGITUDE = -103°42'08.97" (-103.702492°) | LONGITUDE = -103°42'08.97" (-103.702492°) |
| **NAD 27 (LEASE CROSSING 2)** | **NAD 27 (LEASE CROSSING 3)** | **NAD 27 (LAST TAKE POINT)** | **NAD 27 (BOTTOM HOLE LOCATION)** |
| LATITUDE = 32°13'28.38" (32.224550°) | LATITUDE = 32°13'41.51" (32.228197°) | LATITUDE = 32°14'19.73" (32.238813°) | LATITUDE = 32°14'20.52" (32.239033°) |
| LONGITUDE = -103°42'07.24" (-103.702011°) | LONGITUDE = -103°42'07.24" (-103.702011°) | LONGITUDE = -103°42'07.24" (-103.702010°) | LONGITUDE = -103°42'07.23" (-103.702009°) |
| **STATE PLANE NAD 83 (N.M. EAST)** | **STATE PLANE NAD 83 (N.M. EAST)** | **STATE PLANE NAD 83 (N.M. EAST)** | **STATE PLANE NAD 83 (N.M. EAST)** |
| N: 446042.71' E: 736413.95' | N: 447369.42' E: 736406.18' | N: 451231.45' E: 736383.53' | N: 451311.44' E: 736383.33' |
| **STATE PLANE NAD 27 (N.M. EAST)** | **STATE PLANE NAD 27 (N.M. EAST)** | **STATE PLANE NAD 27 (N.M. EAST)** | **STATE PLANE NAD 27 (N.M. EAST)** |
| N: 445983.83' E: 695229.79' | N: 447310.51' E: 695222.06' | N: 451172.45' E: 695199.58' | N: 451252.43' E: 695199.38' |

## OXY APD CHANGE SUNDRY LIST FORM

| | |
|---|---|
| DATE SUNDRY WORKSHEET CREATED | 4/30/2025 |
| WELL NAME_NUMBER | MESA VERDE BS UNIT 39H |
| API NUMBER | 30-025-54556 |
| ESTIMATED SPUD DATE | 7/15/2025 |

AFMSS Blurb

PLEASE SEE ATTACHED OXY APD CHANGE SUNDRY LIST THAT HIGHLIGHTS CHANGES AND ATTACHMENTS. GENERAL CHANGE DOCUMENTS ARE COMBINED INTO 1 PDF FILE AND WELL SPECIFIC DOCUMENTS ARE INDIVIDUAL ATTACHMENTS.

| | ITEM | APD BASE LINE (For Regulatory to Complete) | SUNDRY PLAN (Groups to complete the latest plan) |
|---|---|---|---|
| | | Date APD/BASE LINE APPROVED: | DATE Sundry Worksheet : |
| Surface Planning | NAME | MESA VERDE BS UNIT 39H | MESA VERDE BS UNIT 255H |
| | NSL | NO | NO |
| | SHL | 1222 FSL & 1015 FWL SWSW | 1222 FSL & 1015 FWL SWSW |
| | PAD | MSAVRD_T24SR32E_17_02 | MSAVRD_T24SR32E_17_PAD 1702 |
| | BHL | 20 FNL & 1500 FWL NENW | 20 FNL & 865 FWL NWNW |
| | HSU SIZE, ACRES | 320 | 320 |
| | POOL | MESA VERDE; BONESPRING | MESA VERDE; BONESPRING |
| | TVD | 9,327 | 9,633 |
| | TARGET FORMATION | BONESPRING | BONESPRING |

**Drilling**

CASING PROGRAM

| APD BASE LINE | | | | | | | | SUNDRY PLAN | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Section | Hole Size (in.) | MD | TVD | Csg OD (in) | Csg WT | Grade | Conn. | Section | Hole Size (in.) | MD | TVD | Csg OD (in) | Csg WT (ppf) | Grade | Conn. |
| Surface | 14.75 | 905 | 905 | 10.75 | 45.5 | J-55 | BTC | Surface | 14.75 | 901 | 901 | 10.75 | 45.5 | J-55 | BTC |
| Int | 9.875 | 8824 | 9626 | 7.625 | 26.4 | L-80 HC | BTC | Int | 9.875 | 9030 | 8863 | 7.625 | 26.4 | L-80 HC | BTC |
| Int2 | | | | | | | | Int2 | | | | | | | |
| Prod | 6.75 | 20270 | 9472 | 5.5 | 20 | P-110 | SPRINT-SF | Prod | 6.75 | 20116 | 9703 | 5.5 | 20 | P-110 | DWC/C-HT-IS |
| Liner | | | | | | | | Liner | | | | | | | |

CEMENT PROGRAM

| APD BASE LINE | | | | | | | | | SUNDRY PLAN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Section/Stage | Slurry | Sacks | Yield (ft^3/ft) | Density (lb/gal) | Excess | TOC | Placement | Description | Section/Stage | Slurry | Sacks | Yield (ft^3/ft) | Density (lb/gal) | Excess | TOC | Placement | Description |
| Surf | SURFACE- TAIL | 757 | 1.33 | 14.8 | 100% | 0 | CIRCULATE | CLASS C +ACCEL. | Surf | SURFACE- TAIL | 754 | 1.33 | 14.8 | 100% | 0 | CIRCULATE | CLASS C +ACCEL. |
| Int/1 | INTERMEDIATE 1S- TAIL | 212 | 1.68 | 13.2 | 5% | 7,243 | CIRCULATE | CLASS C +RET., DISPER. | Int | INTERMEDIATE 1S -TAIL | 245 | 1.68 | 13.2 | 5% | 7,204 | CIRCULATE | CLASS C +RET., DISPER. |
| Int/2 | INTERMEDIATE 2S- TAIL BH | 1119 | 1.71 | 13.3 | 25% | 0 | BRADENHEAD | CLASS C +ACCEL. | Int | INTERMEDIATE 2S - TAIL BH | 1113 | 1.71 | 13.3 | 25% | 0 | BRADENHEAD | CLASS C + ACCEL. |
| Int2 | | | | | | | | | Int2 | | | | | | | | |
| Int2 | | | | | | | | | Int2 | | | | | | | | |
| Prod | PRODUCTION- TAIL | 677 | 1.84 | 13.3 | 25% | 8,324 | CIRCULATE | CLASS C + RET. | Prod | PRODUCTION - TAIL | 656 | 1.84 | 13.3 | 25% | 8,530 | CIRCULATE | CLASS C + RET. |

VARIANCES

| APD BASE LINE | | SUNDRY PLAN | |
|---|---|---|---|
| BOP Break Tesing Variance | Y | BOP Break Tesing Variance | Y |
| 5M Annular BOP Variance | N | 5M Annular BOP Variance | Y |
| Bradenhead CBL Variance | Y | Bradenhead CBL Variance | Y |
| Offline Cementing Variance | Y | Offline Cementing Variance | Y |
| Production Annular Clearance Variance | | Production Annular Clearance Variance | |
| Flexible Choke Line Variance | | Flexible Choke Line Variance | |
| (Pilot Hole, Logs etc.) | | (Pilot Hole, Logs etc.) | |

Note- Only fill out what item is changing. The other cells can be left blank.

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

COMMENTS

Action 527581

## COMMENTS

| | |
|---|---|
| Operator:<br>OXY USA INC<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>16696 |
| | Action Number:<br>527581 |
| | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**COMMENTS**

| Created By | Comment | Comment Date |
|---|---|---|
| matthew.gomez | Invalid defining well. | 11/20/2025 |

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



## CONDITIONS

| Operator: | OGRID: |
|---|---|
| OXY USA INC<br>P.O. Box 4294<br>Houston, TX 772104294 | 16696 |
| | Action Number:<br>527581 |
| | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| matthew.gomez | No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations. | 11/20/2025 |
| matthew.gomez | Notify the OCD 24 hours prior to casing & cement. | 11/20/2025 |
| matthew.gomez | All previous COA's still apply. | 11/20/2025 |