

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

Well Name: TOP SPOT 12_13 FED	Well Location: T22S / R31E / SEC 13 / SESW / 32.38517 / -103.734953	County or Parish/State: EDDY / NM
Well Number: 41H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM29233	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001556988	Operator: OXY USA INCORPORATED	

Notice of Intent

Sundry ID: 2878916

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/16/2025

Time Sundry Submitted: 02:42

Date proposed operation will begin: 05/01/2026

Procedure Description: OXY USA inc respectfully requests approval to amend the subject well AAPD to change the SHL, BHL, pool, and HSU. See the attached updated well plat C-102, revised drill plan and directional for reference. There is no additional surface disturbance related to this sundry. OLD SHL: 335' FSL 1580' FWL N-13-22S-31E NEW SHL: 215' FSL 1580' FWL N-13-22S-31E OLD BHL: 20' FNL 590' FWL D-12-22S-31E NEW BHL: 20' FNL 1530' FWL C-12-22S-31E OLD HSU: 640 ACRES WEST HALF - WOLFCAMP HSU NEW HSU: 320 ACRES EAST HALF OF WEST HALF - BONE SPRING HSU (INFILL WELL)

NOI Attachments

Procedure Description

- TOPSPOT12_13FED41H_APDCHGWKST_CHGSSHOWN_20260127090058.pdf
- TOPSPOT12_13FED41H_2024_KPLA_Addendum_WellboreSchematics_20251016144220.pdf
- VARIANCES_20251016144154.pdf
- CASING_SPEC_SHEETS_20251016144150.pdf
- TopSpot12_13Fed41H_DirectPlan_20251016143644.pdf
- TOPSPOT12_13FED41H_DrillPlan_20251016143640.pdf
- TOPSPOT12_13FED41H_C_102_20251016143633.pdf

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Operator: OXY USA INCORPORATED

Conditions of Approval

Additional

TOP_SPOT_12_13_FEDERAL_41H__SUNDRY_COA_20260218080227.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: LESLIE REEVES

Signed on: JAN 27, 2026 09:01 AM

Name: OXY USA INCORPORATED

Title: Advisor Regulatory

Street Address: 5 GREENWAY PLAZA, SUITE 110

City: HOUSTON

State: TX

Phone: (713) 497-2492

Email address: LESLIE_REEVES@OXY.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

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: 02/18/2026

Signature: Chris Walls

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.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 performed 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 determined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by		
	Title	Date
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

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 of this form to U.S. Department of the Interior, Bureau of Land 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: SESW / 335 FSL / 1580 FWL / TWSP: 22S / RANGE: 31E / SECTION: 13 / LAT: 32.38517 / LONG: -103.734953 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 100 FSL / 590 FWL / TWSP: 22S / RANGE: 31E / SECTION: 13 / LAT: 32.384522 / LONG: -103.73816 (TVD: 12240 feet, MD: 12635 feet)

BHL: NWNW / 20 FNL / 590 FWL / TWSP: 22S / RANGE: 31E / SECTION: 12 / LAT: 32.41325 / LONG: -103.738145 (TVD: 12240 feet, MD: 22881 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: OXY USA INCORPORATED
WELL NAME & NO.: TOP SPOT 12_13 FEDERAL 41H
LOCATION: SEC 13 T22S R31E-NMP
COUNTY: <input style="width: 200px;" type="text" value="Eddy County, New Mexico"/>

Create COAs

H₂S <input style="width: 100%;" type="text" value="Present"/>	Cave / Karst <input style="width: 100%;" type="text" value="Low"/>	Waste Prevention Rule <input style="width: 100%;" type="text" value="Waste Minimization Plan"/>
Potash <input style="width: 100%;" type="text" value="R-111-Q"/>	R-111-Q Design <input style="width: 100%;" type="text" value="4-String: Open 1st Int x 2nd Annulus (ICP 2 below Relief Zone)"/>	
Wellhead <input style="width: 100%;" type="text" value="Multibowl"/> <input checked="" type="checkbox"/> Flex Hose <input checked="" type="checkbox"/> Break Testing	Casing <input style="width: 100%;" type="text" value="4-String Well"/>	
	<input type="checkbox"/> Liner <input checked="" type="checkbox"/> Fluid Filled <input type="checkbox"/> Casing Clearance	
Cementing		
<input type="checkbox"/> DV Tool <input checked="" type="checkbox"/> Bradenhead <input type="checkbox"/> Echometer <input checked="" type="checkbox"/> Offline Cement <input checked="" type="checkbox"/> Open Annulus <input type="checkbox"/> Pilot Hole		
Special Requirements		
<input type="checkbox"/> Capitan Reef <input type="checkbox"/> Water Disposal <input checked="" type="checkbox"/> COM <input type="checkbox"/> Unit		

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) 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.

APD is within the R-111-Q defined boundary. Operator must follow all procedures and requirements listed within the updated order.

B. CASING

1. The 13-3/8 inch surface casing shall be set at approximately 891 feet (a minimum of 70' into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - 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.

INTERMEDIATE CASINGS MUST BE KEPT FLUID FILLED DURING RUN FOR COLLAPSE SF.

2. The minimum required fill of cement behind the **10-3/4** inch 1st intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.
 - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst, Capitan Reef, or potash features.
 - **PLEASE REVIEW VOLUMES. IF NEEDED INCREASE EXCESS BASED ON WASHOUT IN THE INTERVAL.**
3. The minimum required fill of cement behind the **7-5/8** inch 2nd intermediate casing is **500 feet** into the previous casing but not higher than USGS Marker Bed No. 126 (base of the McNutt Potash ore zone.)
 - Operator must verify top of cement per R-111-Q requirements. Submit results to the BLM. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1.**
 - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst, Capitan Reef, or potash features.

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 **Intermediate 1 X Intermediate 2** 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 2** casing to tieback requirements after the second stage BH to verify TOC.
 - **A monitored open annulus will be incorporated during completion by leaving the above annulus un-cemented and monitored.** Operator must follow all monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days**.
 - Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**
 - A pressure monitoring device must be installed at surface on both the intermediate annulus and the production annulus for the life of the well.
 - During hydraulic fracturing operations, a pressure relief valve or appropriate venting system shall be installed **in all designed open annuli** in the event of a production casing failure.
 - **In the event of a casing failure during completion**, the operator **must** contact the BLM engineer (575-706-2779) and inspection staff listed in the **General Requirements**.
4. The minimum required fill of cement behind the **5-1/2** inch production casing is **500 feet** into the previous casing but not higher than USGS Marker Bed No. 126 (base of the McNutt Potash ore zone.)
- Operator must verify top of cement per R-111-Q requirements. Submit results to the BLM. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1.**
 - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst, Capitan Reef, or potash features.
- **A monitored open annulus will be incorporated during completion by leaving the above annulus un-cemented and monitored.** Operator must follow all monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days**.
 - Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**
 - A pressure monitoring device must be installed at surface on both the intermediate annulus and the production annulus for the life of the well.
 - During hydraulic fracturing operations, a pressure relief valve or appropriate venting system shall be installed **in all designed open annuli** in the event of a production casing failure.
 - **In the event of a casing failure during completion**, the operator **must** contact the BLM engineer (575-706-2779) and inspection staff listed in the **General Requirements**.

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 and the intermediate 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.
 - If the MASP approaches 10% of the rated working pressure of a 5M system, the BOPE must be tested to 10M.
 - 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)

Communitization Agreement:

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

Offline Cementing

Offline cementing has been approved for **all hole sections**. 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 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 swell.
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 always be operational 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 doghouse 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 & CEMENT

1. The current acceptable methods of cement verification are as follows:
 - i. Observing cement circulated to surface,
 - ii. Cement Bond Log (CBL),

- iii. Temperature log within 8-10 hours after completing the cement job,
 - iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)
2. 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.
3. 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.
4. 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.
5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Well specific cement details must be onsite prior to pumping the cement for each casing string.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. 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.
8. If hard band 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.
9. 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. (This 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 -our 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 because 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.

KEITH IMMATTY 2/18/2026

OXY APD CHANGE SUNDRY LIST FORM

AFMSS Blur

DATE SUNDRY WORKSHEET CREATED	10/16/2025
WELL NAME NUMBER	TOP SPOT 12_13 FEDERAL #041H
API NUMBER	30-015-56988
ESTIMATED SPUD DATE	5/1/2026

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.

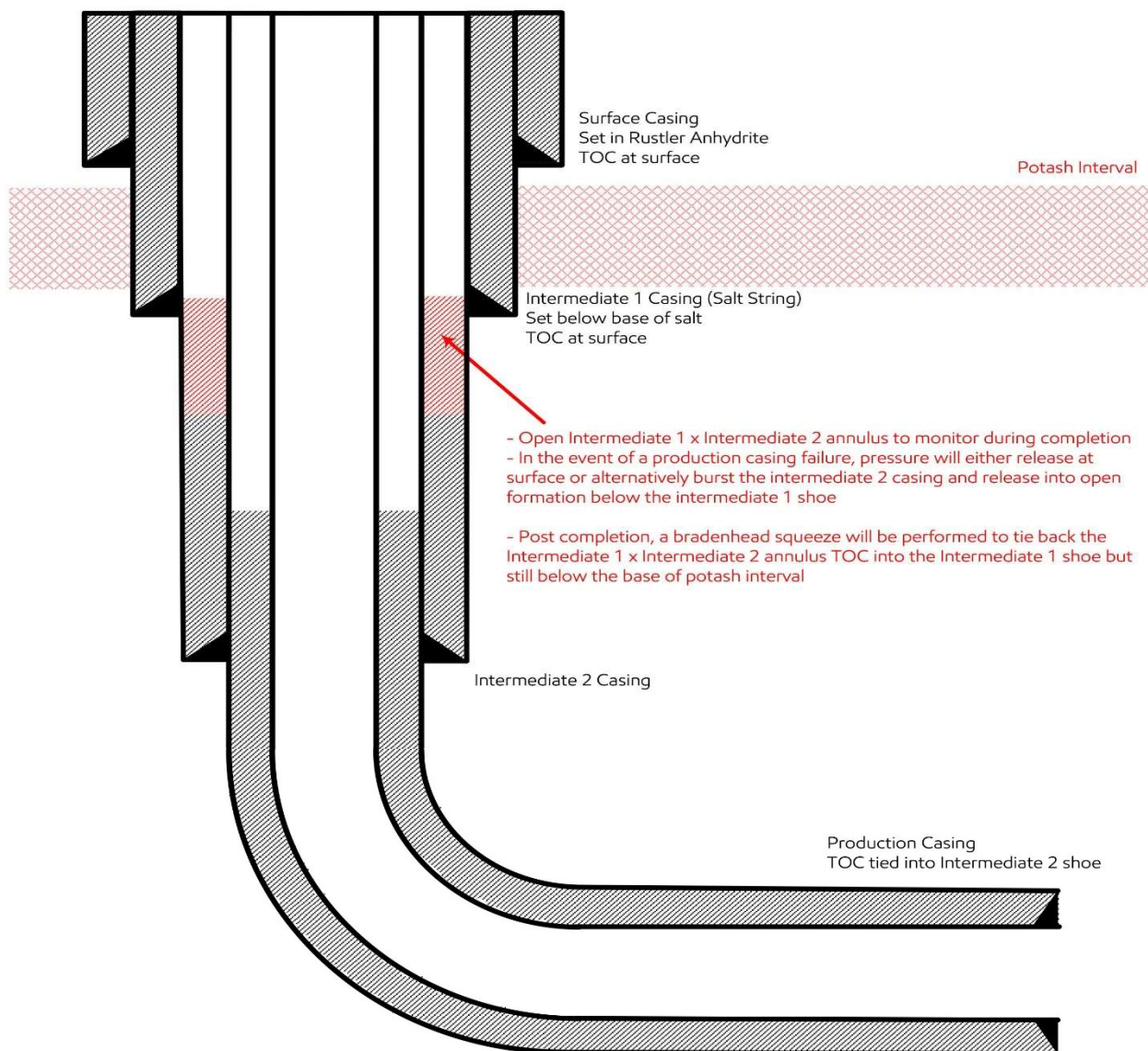
ITEM	APD BASE LINE (For Regulatory to Complete)							SUNDRY PLAN (Groups to complete the latest plan)											
	Date APD/BASE LINE APPROVED: 05/30/2025							DATE Sundry Worksheet : 10/16/2025											
Surface Planning	NAME	TOP SPOT 12_13 FEDERAL #041H																	
	NSL	No																	
	SHL	335' FSL 1580' FWL N-13-225-31E							215' FSL 1580' FWL N-13-225-31E										
	PAD	LSTTNK 22531E - 1303 PAD																	
	BHL	20' FNL 590' FWL D-12-225-31E							20' FNL 1530' FWL C-12-225-31E										
	HSU SIZE, ACRES	640 ACRES W/2 12 & 13							320 ACRES E/2 W/2 12 & 13										
	POOL	WC 22531E13; WOLFCAMP (98351)							BILBREY BASIN; BONE SPRING (5695)										
TVD	12240' TVD							9196' TVD											
TARGET FORMATION	WOLFCAMP							AVALON											
Drilling	CASING PROGRAM	APD BASE LINE							SUNDRY PLAN										
		Section	Hole Size (in.)	MD	TVD	Csg OD	Csg WT	Grade	Conn.	Section	Hole Size (in.)	MD	TVD	Csg OD (in)	Csg WT (ppf)	Grade	Conn.		
		Surface	17.5	885	885	13.375	54.5	J-55	BTC	Surface	17.5	891	891	13.375	54.5	J-55	BTC		
		Int	12.25	4453	4453	10.75	45.5	HC L-80	BTC-SC	Int	12.25	4456	4456	10.75	40.5	J-55	BTC-SC		
		Int2	9.875	12140	11976	7.625	29.7	HC L-80	BTC	Int2	9.875	8438	8425	7.625	26.4	HC L-80	BTC		
	Prod	6.75	22881	12240	5.5	23	P-110	SPRINT-SF	Prod	6.5	19461	9196	5.5	20	P-110	SWC/C-HT-15			
	Liner								Liner										
	CEMENT PROGRAM	APD BASE LINE							SUNDRY PLAN										
		Section/Stage	Slurry	Sacks	Yield (ft³)	Density (lb/gal)	Excess	TOC	Placement	Description	Section/Stage	Slurry	Sacks	Yield (ft³/ft)	Density (lb/gal)	Excess	TOC	Placement	Description
		Surf	SURFACE - TAIL	924	1.33	14.8	100%	SURF	CIRC	CL C + ACCEL	Surf	SURFACE - TAIL	931	1.33	14.8	100%	SURF	CIRC	CL C + ACCEL
		Int/1	INT - TAIL	85	1.33	14.8	20%	3953	CIRC	CL C + ACCEL	Int	INT - TAIL	85	1.33	14.8	20%	3956	CIRC	CL C + ACCEL
		Int/2	INT - LEAD	622	1.73	12.9	50%	SURF	CIRC	CL POZZ + RET	Int	INT - LEAD	622	1.73	12.9	50%	SURF	CIRC	CL POZZ + RET
		Int2	INT 15 - TAIL	709	1.68	13.2	5%	6861	CIRC	CL C + RET, DISPER	Int2	INT 15 - TAIL	215	1.68	13.2	5%	6837	CIRC	CL C + RET, DISPER
	Int2	INT 25 - TAIL BH	443	1.71	13.3	25%	3953	BH - POST FRAC	CL C + ACCEL	Int2	INT 25 - TAIL BH	442	1.71	13.3	25%	3956	BH - POST FRAC	CL C + ACCEL	
	Prod	PROD - TAIL	635	1.84	13.3	25%	11640	CIRC	CL C + RET	Prod	PROD - TAIL	653	1.84	13.3	25%	7938	CIRC	CL C + RET	
VARIANCES	APD BASE LINE							SUNDRY PLAN											
	BOP Break Tesing Variance								BOP Break Tesing Variance		X								
	5M Annular BOP Variance	X							5M Annular BOP Variance										
	Bradenhead CBL Variance	X							Bradenhead CBL Variance		X								
	Offline Cementing Variance	X							Offline Cementing Variance		X								
	Production Annular Clearance Variance								Production Annular Clearance Variance										
Flexible Choke Line Variance	X							Flexible Choke Line Variance		X									
(Pilot Hole, Logs etc.)								(Pilot Hole, Logs etc.)											

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

VERSION DATE 8/30/2024

Revision Date – May 21, 2024

4-String Design – Open Int 1 x Int 2 Annulus

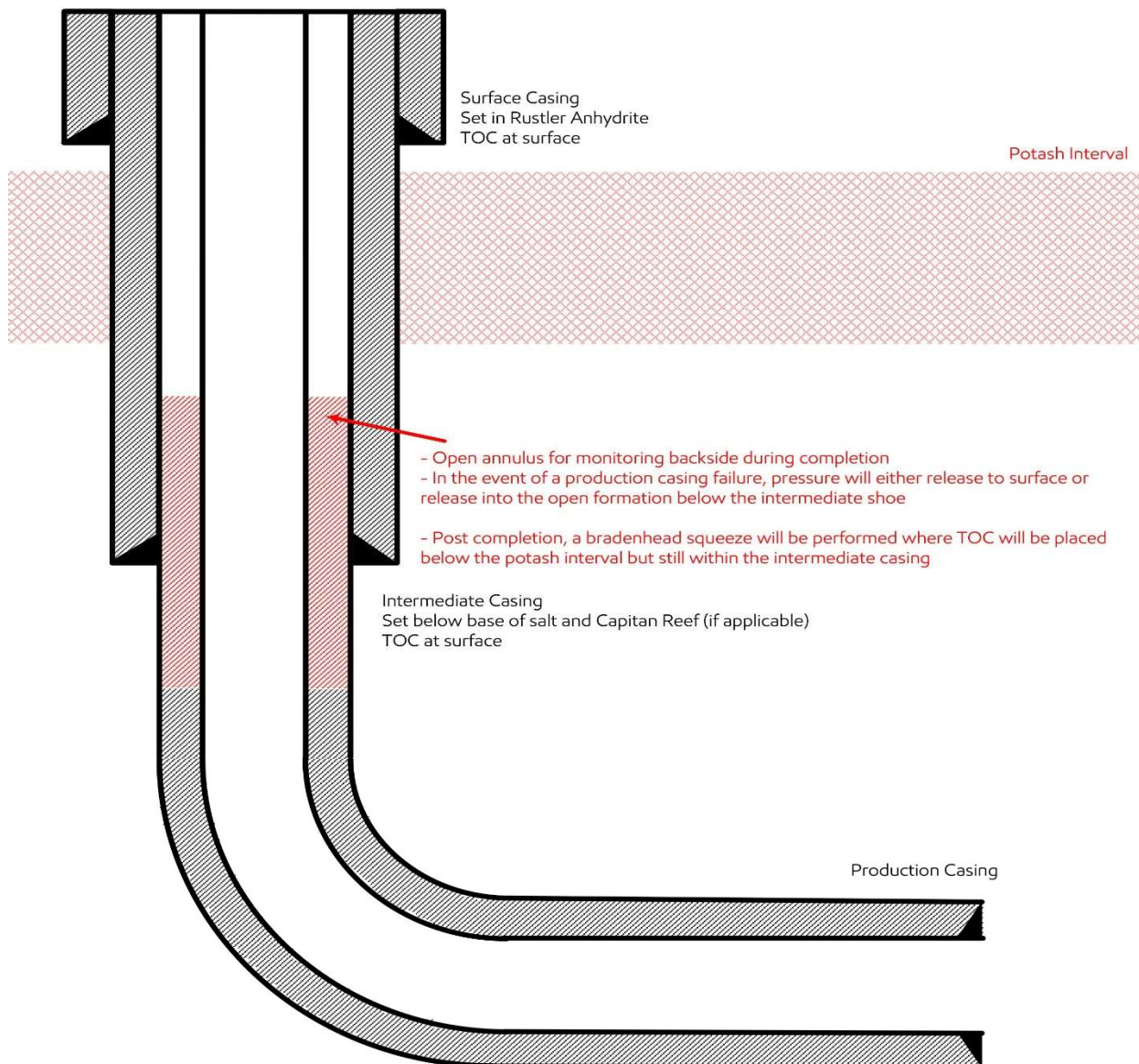
**Update May 2024:**

OXY is aware of the R111-Q update and will comply with these requirements including (but not limited to):

- 1) Alignment with KPLA requirements per schematic above, leaving open annulus for pressure monitoring during frac and utilizing new casing that meets API standards
- 2) Contingency plans in place to divert formation fluids away from salt interval in event of production casing failure
- 3) Bradenhead squeeze to be completed within 180days to tie back TOC to salt string at least 500ft but with top below Marker Bed 126
- 4) Production cement to be tied back no less than 500ft inside previous casing shoe
- 5) While drilling salt interval, separation distance to any active/inactive producing offset well will be ensured such that $SF > 1.0$; Anti-Collision Reports will be provided with APD Packages for review where $SF < 1.5$ against any applicable offset well, or where center-to-center separation against a blind or inclination only surveyed offset well is less than 500ft

Revision Date – May 21, 2024

3-String Design – Open Production Casing Annulus



Update May 2024:

OXY is aware of the R111-Q update and will comply with these requirements including (but not limited to):

- 1) Alignment with KPLA requirements per schematic above, leaving open annulus for pressure monitoring during frac and utilizing new casing that meets API standards
- 2) Contingency plans in place to divert formation fluids away from salt interval in event of production casing failure
- 3) Bradenhead squeeze for Production cement to be completed within 180days to tie back TOC to previous casing string at least 500ft but with top below Marker Bed 126
- 4) While drilling salt interval, separation distance to any active/inactive producing offset well will be ensured such that $SF > 1.0$; Anti-Collision Reports will be provided with APD Packages for review where $SF < 1.5$ against any applicable offset well, or where center-to-center separation against a blind or inclination only surveyed offset well is less than 500ft

BOP Break Testing Request

Oxy requests permission to adjust the BOP break testing requirements as per the agreement reached with OXY/BLM on April 4th, 2025.

BOPE Break Testing is ONLY permitted for 5M BOPE or less (utilizing a 10M BOPE system.)
Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.

BOP break test for the **intermediate or production** section under the following conditions:

- After a full BOP test is conducted.
- When skidding to drill an intermediate or production section which does not penetrate the deeper than the Wolf Camp formation (<5M).
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 3 CFR part 3170 Subpart 3172
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- In the event break testing is not utilized, then a full BOPE test would be conducted.
- If the kill line is broken prior to skid, two tests will be performed.
 - 1) Wellhead flange, co-flex hose, kill line connections and upper pipe rams
 - 2) Wellhead flange, HCR valve, check valve, upper pipe rams
- If the kill line is not broken prior to skid, only one test will be performed.
 - 1) Wellhead flange, co-flex hose, check valve, upper pipe rams

Subject: Request for a Variance Allowing Break Testing of a Blowout Preventer Stack

OXY USA Inc. (OXY) requests a variance to allow break testing of the Blowout Preventer (BOP) stack when skidding a drilling rig between wells on multi-well pads. This practice entails retesting only the connections of the **BOP** stack that have been disconnected during this operation and not a complete **BOP** test.

Background

43 CFR part 3170 Subpart 3172 states that a **BOP** test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) is this requires a complete **BOP** test and not just a test of the affected component. 43 CFR part 3170 Subpart 3172, Section I.D.2. states, "Some situations may exist either on a well-by-well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this Order. This situation can be resolved by requesting a variance...". OXY feels the practice of break testing the **BOP** stack is such a situation. Therefore, as per 43 CFR part 3170 Subpart 3172, Section IV., OXY submits this request for the variance.

Supporting Rationale

43 CFR part 3170 Subpart 3172 became effective on December 19, 1988, and has remained the standard for regulating BLM onshore drilling operations for almost 30 years. During this time there have been significant changes in drilling technology. **BLM** continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since 43 CFR part 3170 Subpart 3172 was originally released. The drilling rig fleet OXY utilizes in New Mexico was built with many modern upgrades. One of which allows the rigs to skid between wells on multi-well pads. A part of this rig package is

a hydraulic winch system which safely installs and removes the BOP from the wellhead and carries it during skidding operations. This technology has made break testing a safe and reliable procedure.

American Petroleum Institute (API) standards, specifications and recommended practices are considered industry standards and are consistently utilized and referenced by the industry. 43 CFR part 3170 Subpart 3172 recognized API Recommended Practices (RP) 53 in its original development. API Standard 53, *Blowout Prevention Equipment Systems for Drilling Wells* (Fourth Edition, November 2012, Addendum 1, July 2016) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 6.5.3.4.1.b states "Pressure tests on the well control equipment shall be conducted after the disconnection or repair of any pressure containment seal in the **BOP** stack, choke line, kill line, choke manifold, or wellhead assembly but limited to the affected component."

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specifications and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations. BSEE issued new offshore regulations under 30 CFR Part 250, *Oil and Gas and Sulphur Operations in the Outer Continental Shelf - Blowout Preventer Systems and Well Control*, which became effective on July 28, 2016. Section 250.737(d.1) states "Follow the testing requirements of API Standard 53". In addition, Section 250.737(d.8) has adopted language from **API** Standard 53 as it states "Pressure test affected **BOP** components following the disconnection or repair of any well-pressure containment seal in the wellhead or **BOP** stack assembly".

Break testing has been approved by the BLM in the past. See the Appendix for a Sundry Notice that was approved in 2015 by the Farmington Field Office. This approval granted permission for the operator to break test when skidding its Aztec 1000 rig on multi-well pads.

Oxy feels break testing and our current procedures meet the intent of 43 CFR part 3170 Subpart 3172 and often exceed it. We have not seen any evidence that break testing results in more components failing tests than seen on full BOP tests. As skidding operations take place within the 30-day full BOPE test window, the BOP shell and components such as the pipe rams and check valve get tested to the full rated working pressure more often. Therefore, there are more opportunities to ensure components are in good working order. Also, Oxy's standard requires complete BOP tests more often than that of 43 CFR part 3170 Subpart 3172. In addition to function testing the annular at least weekly and the pipe and blind rams on each trip, Oxy also performs a choke drill prior to drilling out every casing shoe. As a crew's training is a vital part of well control, this procedure to simulate step one of the Driller's Method exceeds the requirements of 43 CFR part 3170 Subpart 3172.

Procedures

- 1) OXY would perform BOP break testing on multi-well pads where multiple intermediate or production sections can be drilled and cased within the 21-day BOP test window
- 2) After performing a complete BOP test on the first well and drilling and casing the hole section, three breaks would be made on the BOP.
 - Between the check valve and the kill line
 - Between the HCR valve and the co-flex hose or the co-flex hose and the manifold
 - Between the BOP flange and the wellhead
- 3) The BOP is then lifted and removed from the wellhead by the hydraulic winch system
- 4) After skidding to the next well, the BOP is moved to the wellhead by the hydraulic winch system and installed
- 5) The choke line and kill line are reconnected
- 6) A test plug is installed in the wellhead with a joint of drill pipe and the internal parts of the check valve are removed
- 7) A shell test is performed against the upper pipe rams testing all three breaks
- 8) The internal parts of the check valve are reinstalled and the HCR valve is closed. A second test is performed on them
- 9) These tests consist of a 250 psi low test and a high test to the value submitted in the APD or SN (e.g., 5000 psi)
- 10) Perform a function test of components not pressure tested to include the lower pipe rams, the blind rams and the annular
- 11) If this were a three well pad, the same three breaks on the BOP would be made and steps 4 through 11 would be repeated
- 12) A second break test would only be done if the third hole section could be completed within the 21-day BOP test window
- 13) If a second break test is performed, additional components that were not tested on the initial break test will be tested on this break test

Notes:

- a. If any parts of the BOP are changed out or any additional breaks are made during the skidding operation, these affected components would also be tested as in step 9.
- b. As the choke manifold remains stationary during the skidding operation and the only break to the manifold is tested in step 8 above, no further testing of the manifold is done until the next full BOP test.

Summary

OXY requests a variance to allow break testing of the BOP stack when skidding drilling rigs between wells on multi-well pads. API standards, specifications and recommended practices are considered industry standards and are consistently utilized and referenced by the industry and the BLM. API Standard 53 recognizes break testing as an acceptable practice and BSEE adopted language from this standard into its newly created 30 CFR Part 250 which also supports break testing. Due to this, OXY feels this request meets the intent of 43 CFR part 3170

Production Casing 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 from 43 CFR part 3170 Subpart 3172 under the following conditions:

1. Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casings.
2. Annular clearance less than 0.422" is acceptable for the curve and lateral portions of the production open hole section.

Bradenhead Cement CBL Variance 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.

Three string wells:

- CBL will be required on one well per pad
- If the pumped volume of cement is less than permitted in the APD, BLM will be notified and a CBL may be run
- Echometer will be used after bradenhead cement job to determine TOC before pumping top-out cement

Four string wells:

- CBL is not required
- If the pumped volume of cement is less than permitted in the APD, BLM will be notified and a CBL may be run
- Echometer will be used after bradenhead cement job to determine TOC before pumping top-out cement

Offline Cementing Variance 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.

1. Cement Program

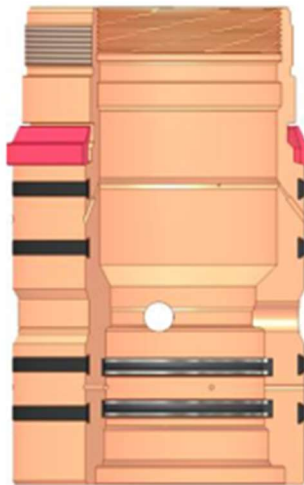
No changes to the cement program will take place for offline cementing.

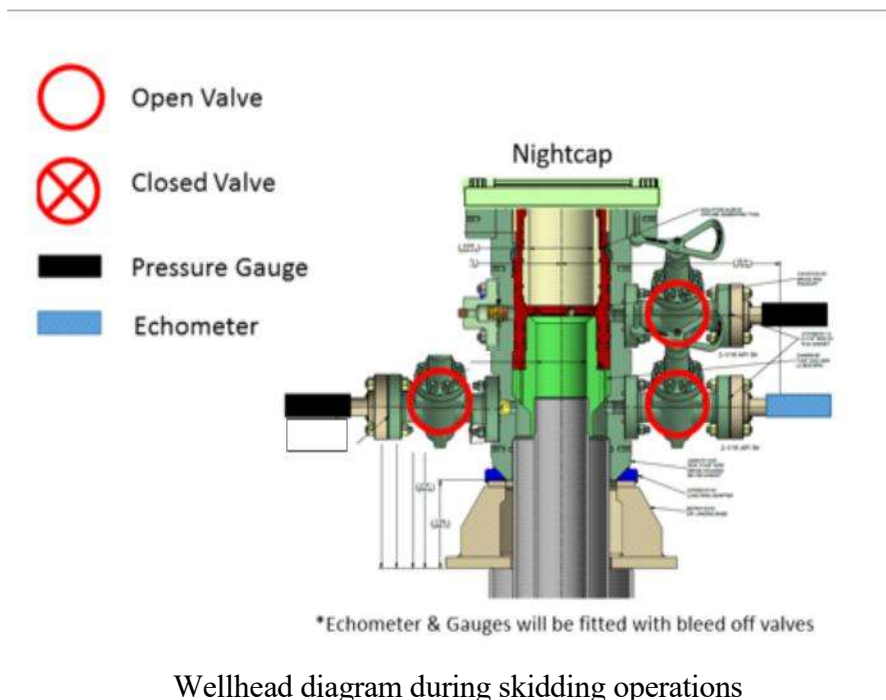
2. Offline Cementing Procedure

The operational sequence will be as follows:

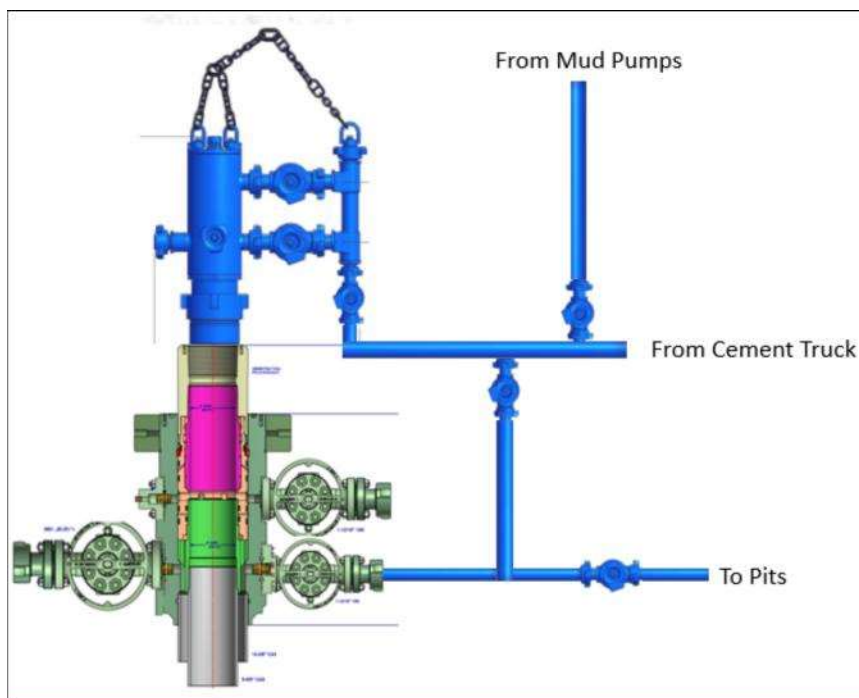
1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe)
2. Land casing with mandrel
3. Fill pipe with kill weight fluid, do not circulate through floats and confirm well is static
4. Set annular packoff shown below and pressure test to confirm integrity of the seal.
Pressure ratings of wellhead components and valves is 5,000 psi

Annular packoff with both external and internal seals





5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange.
 - a. If any barrier fails to test, the BOP stack will not be nipped down until after the cement job is completed with cement 500ft above the highest formation capable of flow with kill weight mud above or after it has achieved 50 psi compressive strength if cannot be verified.
6. Skid rig to next well on pad.
7. Confirm well is static before removing cap flange, flange will not be removed and offline cementing operations will not commence until well is under control. If well is not static, casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing or nipping up for further remediation.
 - a. Well Control Plan
 - i. The Drillers Method will be the primary well control method to regain control of the wellbore prior to cementing, if wellbore conditions do not permit the drillers method other methods of well control may be used
 - ii. Rig pumps or a 3rd party pump will be tied into the upper casing valve to pump down the casing ID
 - iii. A high pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
 - iv. Once influx is circulated out of the hole, kill weight mud will be circulated
 - v. Well will be confirmed static
 - vi. Once confirmed static, cap flange will be removed to allow for offline cementing operations to commence
8. Install offline cement tool
9. Rig up cement equipment



Wellhead diagram during offline cementing operations

10. Circulate bottoms up with cement truck
 - a. If gas is present on bottoms up, well will be shut in and returns rerouted through gas buster to handle entrained gas
 - b. Max anticipated time before circulating with cement truck is 6 hrs
11. Perform cement job taking returns from the annulus wellhead valve
12. Confirm well is static and floats are holding after cement job
13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.



TenarisHydril Wedge 425™



Coupling	Pipe Body
Grade: L80-IC	Grade: L80-IC
Body: Red	1st Band: Red
1st Band: Brown	2nd Band: Brown
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	7.625 in.	Wall Thickness	0.328 in.	Grade	L80-IC
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry		Performance	
Nominal OD	7.625 in.	Wall Thickness	0.328 in.
Nominal Weight	26.40 lb/ft	Plain End Weight	25.59 lb/ft
Drift	6.844 in.	OD Tolerance	API
Nominal ID	6.969 in.		
		Body Yield Strength	602 x1000 lb
		Min. Internal Yield Pressure	6020 psi
		SMYS	80,000 psi
		Collapse Pressure	4500 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	7.835 in.	Tension Efficiency	90 %	Minimum	21,600 ft-lb
Connection ID	6.925 in.	Joint Yield Strength	542 x1000 lb	Optimum	24,000 ft-lb
Make-up Loss	5.564 in.	Internal Pressure Capacity	6020 psi	Maximum	26,400 ft-lb
Threads per inch	3.77	Compression Efficiency	90 %		
Connection OD Option	Regular	Compression Strength	542 x1000 lb		
		Max. Allowable Bending	43 °/100 ft		
		External Pressure Capacity	4500 psi		
				Operation Limit Torques	
				Operating Torque	46,500 ft-lb
				Yield Torque	58,000 ft-lb

Notes

This connection is fully interchangeable with:
 TORQ@SFW™ - 7.625 in. - 0.328 in.
 Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

For the latest performance data, always visit our website: www.tenaris.com
 For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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API BTC -Special Clearance

Coupling	Pipe Body
Grade: J55 (Casing)	Grade: J55 (Casing)
Body: Bright Green	1st Band: Bright Green
1st Band: White	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -

Outside Diameter	10.750 in.	Wall Thickness	0.350 in.	Grade	J55 (Casing)
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	Special Clearance				

Pipe Body Data

Geometry			Performance		
Nominal OD	10.750 in.	Drift	9.894 in.	SMYS	55,000 psi
Wall Thickness	0.350 in.	Plain End Weight	38.91 lb/ft	Min UTS	75,000 psi
Nominal Weight	40.500 lb/ft	OD Tolerance	API	Body Yield Strength	629 x1000 lb
Nominal ID	10.050 in.			Min. Internal Yield Pressure	3130 psi
				Collapse Pressure	1580 psi
				Max. Allowed Bending	23 °/100 ft

Connection Data

Geometry		Performance	
Thread per In	5	Joint Strength	700 x1000 lb
Connection OD	11.250 in.	Coupling Face Load	329 x1000 lb
Hand Tight Stand Off	1 in.	Internal Pressure Capacity	3130 psi

Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations. For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations. Couplings OD are shown according to current API 5CT 10th Edition.

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Connection Data Sheet

OD (in.)	WEIGHT (lbs./ft.)	WALL (in.)	GRADE	API DRIFT (in.)	RBW%	CONNECTION
5.500	Nominal: 20.00 Plain End: 19.83	0.361	‡VST P110MY	4.653	87.5	DWC/C-HT-IS

PIPE PROPERTIES		
Nominal OD	5.500	in.
Nominal ID	4.778	in.
Nominal Area	5.828	sq.in.
Grade Type	API 5CT	
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Tensile Strength	135	ksi
Yield Strength	729	klb
Ultimate Strength	787	klb
Min. Internal Yield Pressure	14,360	psi
Collapse Pressure	12,090	psi

CONNECTION PROPERTIES		
Connection Type	Semi-Premium T&C	
Connection OD (nom)	6.050	in.
Connection ID (nom)	4.778	in.
Make-Up Loss	4.125	in.
Coupling Length	9.250	in.
Critical Cross Section	5.828	sq.in.
Tension Efficiency	89.1%	of pipe
Compression Efficiency	88.0%	of pipe
Internal Pressure Efficiency	86.1%	of pipe
External Pressure Efficiency	100.0%	of pipe

CONNECTION PERFORMANCES		
Yield Strength	649	klb
Parting Load	729	klb
Compression Rating	641	klb
Min. Internal Yield Pressure	12,360	psi
External Pressure Resistance	12,090	psi
Maximum Uniaxial Bend Rating	91.7	°/100 ft
Reference String Length w 1.4 Design Factor	22,890	ft.

FIELD TORQUE VALUES		
Min. Make-up torque	16,600	ft.lb
Opti. Make-up torque	17,950	ft.lb
Max. Make-up torque	19,300	ft.lb
Min. Shoulder Torque	1,660	ft.lb
Max. Shoulder Torque	13,280	ft.lb
Max. Delta Turn	0.200	Turns
‡Maximum Operational Torque	23,800	ft.lb
‡Maximum Torsional Value (MTV)	26,180	ft.lb

‡ Maximum Operational Torque and Maximum Torsional Value only valid with Vallourec P110MY Material.
 ‡ P110MY - Coupling Min Yield Strength is 110ksi and Coupling Max Yield is 125ksi.

"VST = Vallourec Star as the mill source for the pipe, "P110EC" is the grade name"

Need Help? Contact: tech.support@vam-usa.com

For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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DWC Connection Data Sheet Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.
12. DWC/C family of connections are compatible with API Buttress BTC connections. Please contact tech.support@vam-usa.com for details on connection ratings and make-up.

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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OXY

PRD NM DIRECTIONAL PLANS (NAD 1983)

Top Spot 12_13 Fed Com

Top Spot 12_13 Fed 41H

ORIG HOLE

Plan: Permitting Plan

Standard Planning Report

13 October, 2025

OXY Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well Top Spot 12_13 Fed 41H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=25' @ 3585.70ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=25' @ 3585.70ft
Site:	Top Spot 12_13 Fed Com	North Reference:	Grid
Well:	Top Spot 12_13 Fed 41H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
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 Top Spot 12_13 Fed Com			
Site Position:		Northing:	514,494.39 usft
From:	Map	Easting:	725,461.56 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	32.413000
		Longitude:	-103.736677

Well Top Spot 12_13 Fed 41H			
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	504,252.87 usf
			Latitude:
			32.384840
Position Uncertainty		6.00 ft	Easting:
			726,050.63 usf
			Longitude:
			-103.734954
Grid Convergence:		0.32 °	Wellhead Elevation:
			ft
			Ground Level:
			3,560.70 ft

Wellbore ORIG HOLE					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	7/30/2024	6.33	59.97	47,500.60000000

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 (°)
	0.80	0.00	0.00	359.43

Plan Survey Tool Program		Date 10/13/2025		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	19,461.20 Permitting Plan (ORIG HOLE)	B001Mc_MWD+HRGM_R5 MWD+HRGM	

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	
7,373.00	0.00	0.00	7,373.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,872.89	10.00	190.12	7,870.35	-42.83	-7.64	2.00	2.00	0.00	190.12	
8,537.88	10.00	190.12	8,525.25	-156.48	-27.92	0.00	0.00	0.00	0.00	
9,536.20	90.00	359.71	9,195.70	407.95	-52.17	10.00	8.01	16.99	169.43	
19,461.20	90.00	359.71	9,195.70	10,332.82	-103.04	0.00	0.00	0.00	0.00	PBHL (Top Spot)

OXY

Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Top Spot 12_13 Fed 41H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=25' @ 3585.70ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=25' @ 3585.70ft
Site:	Top Spot 12_13 Fed Com	North Reference:	Grid
Well:	Top Spot 12_13 Fed 41H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
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
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00

OXY

Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Top Spot 12_13 Fed 41H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=25' @ 3585.70ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=25' @ 3585.70ft
Site:	Top Spot 12_13 Fed Com	North Reference:	Grid
Well:	Top Spot 12_13 Fed 41H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
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)
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,373.00	0.00	0.00	7,373.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 2°/100'									
7,400.00	0.54	190.12	7,400.00	-0.13	-0.02	-0.13	2.00	2.00	0.00
7,500.00	2.54	190.12	7,499.96	-2.77	-0.49	-2.77	2.00	2.00	0.00
7,600.00	4.54	190.12	7,599.76	-8.85	-1.58	-8.83	2.00	2.00	0.00
7,700.00	6.54	190.12	7,699.29	-18.35	-3.27	-18.32	2.00	2.00	0.00
7,800.00	8.54	190.12	7,798.42	-31.27	-5.58	-31.21	2.00	2.00	0.00
7,872.89	10.00	190.12	7,870.35	-42.83	-7.64	-42.75	2.00	2.00	0.00
Hold 10° Tangent									
7,900.00	10.00	190.12	7,897.06	-47.46	-8.47	-47.37	0.00	0.00	0.00
8,000.00	10.00	190.12	7,995.54	-64.55	-11.52	-64.43	0.00	0.00	0.00
8,100.00	10.00	190.12	8,094.02	-81.64	-14.57	-81.49	0.00	0.00	0.00
8,200.00	10.00	190.12	8,192.50	-98.73	-17.62	-98.55	0.00	0.00	0.00
8,300.00	10.00	190.12	8,290.98	-115.82	-20.67	-115.61	0.00	0.00	0.00
8,400.00	10.00	190.12	8,389.46	-132.91	-23.72	-132.67	0.00	0.00	0.00
8,500.00	10.00	190.12	8,487.94	-150.01	-26.77	-149.73	0.00	0.00	0.00
8,537.88	10.00	190.12	8,525.25	-156.48	-27.92	-156.19	0.00	0.00	0.00
KOP, Build & Turn 10°/100'									
8,600.00	4.05	206.42	8,586.88	-163.76	-29.85	-163.46	10.00	-9.57	26.25
8,700.00	6.64	343.81	8,686.67	-161.37	-33.04	-161.03	10.00	2.58	137.39
8,800.00	16.48	353.52	8,784.53	-141.68	-36.26	-141.31	10.00	9.84	9.71
8,900.00	26.44	356.03	8,877.49	-105.29	-39.41	-104.89	10.00	9.96	2.51
9,000.00	36.42	357.23	8,962.71	-53.30	-42.39	-52.87	10.00	9.98	1.20
9,100.00	46.41	357.97	9,037.61	12.71	-45.11	13.16	10.00	9.99	0.74
9,200.00	56.40	358.49	9,099.91	90.73	-47.50	91.20	10.00	9.99	0.53
9,300.00	66.39	358.91	9,147.73	178.40	-49.47	178.88	10.00	9.99	0.42
9,400.00	76.39	359.26	9,179.60	273.03	-50.97	273.53	10.00	9.99	0.36
9,500.00	86.38	359.59	9,194.56	371.78	-51.95	372.28	10.00	9.99	0.33
9,536.20	90.00	359.71	9,195.70	407.95	-52.17	408.45	10.00	9.99	0.32
Landing Point									
9,600.00	90.00	359.71	9,195.70	471.75	-52.50	472.25	0.00	0.00	0.00
9,700.00	90.00	359.71	9,195.70	571.75	-53.01	572.25	0.00	0.00	0.00
9,800.00	90.00	359.71	9,195.70	671.75	-53.52	672.25	0.00	0.00	0.00
9,900.00	90.00	359.71	9,195.70	771.75	-54.04	772.25	0.00	0.00	0.00
10,000.00	90.00	359.71	9,195.70	871.75	-54.55	872.25	0.00	0.00	0.00
10,100.00	90.00	359.71	9,195.70	971.74	-55.06	972.24	0.00	0.00	0.00

OXY

Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Top Spot 12_13 Fed 41H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=25' @ 3585.70ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=25' @ 3585.70ft
Site:	Top Spot 12_13 Fed Com	North Reference:	Grid
Well:	Top Spot 12_13 Fed 41H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
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)
10,200.00	90.00	359.71	9,195.70	1,071.74	-55.57	1,072.24	0.00	0.00	0.00
10,300.00	90.00	359.71	9,195.70	1,171.74	-56.09	1,172.24	0.00	0.00	0.00
10,400.00	90.00	359.71	9,195.70	1,271.74	-56.60	1,272.24	0.00	0.00	0.00
10,500.00	90.00	359.71	9,195.70	1,371.74	-57.11	1,372.24	0.00	0.00	0.00
10,600.00	90.00	359.71	9,195.70	1,471.74	-57.62	1,472.24	0.00	0.00	0.00
10,700.00	90.00	359.71	9,195.70	1,571.74	-58.14	1,572.24	0.00	0.00	0.00
10,800.00	90.00	359.71	9,195.70	1,671.73	-58.65	1,672.24	0.00	0.00	0.00
10,900.00	90.00	359.71	9,195.70	1,771.73	-59.16	1,772.24	0.00	0.00	0.00
11,000.00	90.00	359.71	9,195.70	1,871.73	-59.67	1,872.23	0.00	0.00	0.00
11,100.00	90.00	359.71	9,195.70	1,971.73	-60.19	1,972.23	0.00	0.00	0.00
11,200.00	90.00	359.71	9,195.70	2,071.73	-60.70	2,072.23	0.00	0.00	0.00
11,300.00	90.00	359.71	9,195.70	2,171.73	-61.21	2,172.23	0.00	0.00	0.00
11,400.00	90.00	359.71	9,195.70	2,271.73	-61.72	2,272.23	0.00	0.00	0.00
11,500.00	90.00	359.71	9,195.70	2,371.73	-62.24	2,372.23	0.00	0.00	0.00
11,600.00	90.00	359.71	9,195.70	2,471.72	-62.75	2,472.23	0.00	0.00	0.00
11,700.00	90.00	359.71	9,195.70	2,571.72	-63.26	2,572.23	0.00	0.00	0.00
11,800.00	90.00	359.71	9,195.70	2,671.72	-63.77	2,672.22	0.00	0.00	0.00
11,900.00	90.00	359.71	9,195.70	2,771.72	-64.29	2,772.22	0.00	0.00	0.00
12,000.00	90.00	359.71	9,195.70	2,871.72	-64.80	2,872.22	0.00	0.00	0.00
12,100.00	90.00	359.71	9,195.70	2,971.72	-65.31	2,972.22	0.00	0.00	0.00
12,200.00	90.00	359.71	9,195.70	3,071.72	-65.82	3,072.22	0.00	0.00	0.00
12,300.00	90.00	359.71	9,195.70	3,171.72	-66.34	3,172.22	0.00	0.00	0.00
12,400.00	90.00	359.71	9,195.70	3,271.71	-66.85	3,272.22	0.00	0.00	0.00
12,500.00	90.00	359.71	9,195.70	3,371.71	-67.36	3,372.22	0.00	0.00	0.00
12,600.00	90.00	359.71	9,195.70	3,471.71	-67.87	3,472.22	0.00	0.00	0.00
12,700.00	90.00	359.71	9,195.70	3,571.71	-68.39	3,572.21	0.00	0.00	0.00
12,800.00	90.00	359.71	9,195.70	3,671.71	-68.90	3,672.21	0.00	0.00	0.00
12,900.00	90.00	359.71	9,195.70	3,771.71	-69.41	3,772.21	0.00	0.00	0.00
13,000.00	90.00	359.71	9,195.70	3,871.71	-69.92	3,872.21	0.00	0.00	0.00
13,100.00	90.00	359.71	9,195.70	3,971.70	-70.44	3,972.21	0.00	0.00	0.00
13,200.00	90.00	359.71	9,195.70	4,071.70	-70.95	4,072.21	0.00	0.00	0.00
13,300.00	90.00	359.71	9,195.70	4,171.70	-71.46	4,172.21	0.00	0.00	0.00
13,400.00	90.00	359.71	9,195.70	4,271.70	-71.97	4,272.21	0.00	0.00	0.00
13,500.00	90.00	359.71	9,195.70	4,371.70	-72.49	4,372.20	0.00	0.00	0.00
13,600.00	90.00	359.71	9,195.70	4,471.70	-73.00	4,472.20	0.00	0.00	0.00
13,700.00	90.00	359.71	9,195.70	4,571.70	-73.51	4,572.20	0.00	0.00	0.00
13,800.00	90.00	359.71	9,195.70	4,671.70	-74.02	4,672.20	0.00	0.00	0.00
13,900.00	90.00	359.71	9,195.70	4,771.69	-74.54	4,772.20	0.00	0.00	0.00
14,000.00	90.00	359.71	9,195.70	4,871.69	-75.05	4,872.20	0.00	0.00	0.00
14,100.00	90.00	359.71	9,195.70	4,971.69	-75.56	4,972.20	0.00	0.00	0.00
14,200.00	90.00	359.71	9,195.70	5,071.69	-76.07	5,072.20	0.00	0.00	0.00
14,300.00	90.00	359.71	9,195.70	5,171.69	-76.59	5,172.20	0.00	0.00	0.00
14,400.00	90.00	359.71	9,195.70	5,271.69	-77.10	5,272.19	0.00	0.00	0.00
14,500.00	90.00	359.71	9,195.70	5,371.69	-77.61	5,372.19	0.00	0.00	0.00
14,600.00	90.00	359.71	9,195.70	5,471.69	-78.12	5,472.19	0.00	0.00	0.00
14,700.00	90.00	359.71	9,195.70	5,571.68	-78.64	5,572.19	0.00	0.00	0.00
14,800.00	90.00	359.71	9,195.70	5,671.68	-79.15	5,672.19	0.00	0.00	0.00
14,900.00	90.00	359.71	9,195.70	5,771.68	-79.66	5,772.19	0.00	0.00	0.00
15,000.00	90.00	359.71	9,195.70	5,871.68	-80.17	5,872.19	0.00	0.00	0.00
15,100.00	90.00	359.71	9,195.70	5,971.68	-80.69	5,972.19	0.00	0.00	0.00
15,200.00	90.00	359.71	9,195.70	6,071.68	-81.20	6,072.18	0.00	0.00	0.00
15,300.00	90.00	359.71	9,195.70	6,171.68	-81.71	6,172.18	0.00	0.00	0.00
15,400.00	90.00	359.71	9,195.70	6,271.67	-82.22	6,272.18	0.00	0.00	0.00
15,500.00	90.00	359.71	9,195.70	6,371.67	-82.74	6,372.18	0.00	0.00	0.00
15,600.00	90.00	359.71	9,195.70	6,471.67	-83.25	6,472.18	0.00	0.00	0.00

OXY

Planning Report

Database:	HOSPSP	Local Co-ordinate Reference:	Well Top Spot 12_13 Fed 41H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=25' @ 3585.70ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=25' @ 3585.70ft
Site:	Top Spot 12_13 Fed Com	North Reference:	Grid
Well:	Top Spot 12_13 Fed 41H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
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)
15,700.00	90.00	359.71	9,195.70	6,571.67	-83.76	6,572.18	0.00	0.00	0.00
15,800.00	90.00	359.71	9,195.70	6,671.67	-84.27	6,672.18	0.00	0.00	0.00
15,900.00	90.00	359.71	9,195.70	6,771.67	-84.79	6,772.18	0.00	0.00	0.00
16,000.00	90.00	359.71	9,195.70	6,871.67	-85.30	6,872.18	0.00	0.00	0.00
16,100.00	90.00	359.71	9,195.70	6,971.67	-85.81	6,972.17	0.00	0.00	0.00
16,200.00	90.00	359.71	9,195.70	7,071.66	-86.32	7,072.17	0.00	0.00	0.00
16,300.00	90.00	359.71	9,195.70	7,171.66	-86.84	7,172.17	0.00	0.00	0.00
16,400.00	90.00	359.71	9,195.70	7,271.66	-87.35	7,272.17	0.00	0.00	0.00
16,500.00	90.00	359.71	9,195.70	7,371.66	-87.86	7,372.17	0.00	0.00	0.00
16,600.00	90.00	359.71	9,195.70	7,471.66	-88.37	7,472.17	0.00	0.00	0.00
16,700.00	90.00	359.71	9,195.70	7,571.66	-88.89	7,572.17	0.00	0.00	0.00
16,800.00	90.00	359.71	9,195.70	7,671.66	-89.40	7,672.17	0.00	0.00	0.00
16,900.00	90.00	359.71	9,195.70	7,771.65	-89.91	7,772.17	0.00	0.00	0.00
17,000.00	90.00	359.71	9,195.70	7,871.65	-90.42	7,872.16	0.00	0.00	0.00
17,100.00	90.00	359.71	9,195.70	7,971.65	-90.94	7,972.16	0.00	0.00	0.00
17,200.00	90.00	359.71	9,195.70	8,071.65	-91.45	8,072.16	0.00	0.00	0.00
17,300.00	90.00	359.71	9,195.70	8,171.65	-91.96	8,172.16	0.00	0.00	0.00
17,400.00	90.00	359.71	9,195.70	8,271.65	-92.47	8,272.16	0.00	0.00	0.00
17,500.00	90.00	359.71	9,195.70	8,371.65	-92.98	8,372.16	0.00	0.00	0.00
17,600.00	90.00	359.71	9,195.70	8,471.65	-93.50	8,472.16	0.00	0.00	0.00
17,700.00	90.00	359.71	9,195.70	8,571.64	-94.01	8,572.16	0.00	0.00	0.00
17,800.00	90.00	359.71	9,195.70	8,671.64	-94.52	8,672.15	0.00	0.00	0.00
17,900.00	90.00	359.71	9,195.70	8,771.64	-95.03	8,772.15	0.00	0.00	0.00
18,000.00	90.00	359.71	9,195.70	8,871.64	-95.55	8,872.15	0.00	0.00	0.00
18,100.00	90.00	359.71	9,195.70	8,971.64	-96.06	8,972.15	0.00	0.00	0.00
18,200.00	90.00	359.71	9,195.70	9,071.64	-96.57	9,072.15	0.00	0.00	0.00
18,300.00	90.00	359.71	9,195.70	9,171.64	-97.08	9,172.15	0.00	0.00	0.00
18,400.00	90.00	359.71	9,195.70	9,271.64	-97.60	9,272.15	0.00	0.00	0.00
18,500.00	90.00	359.71	9,195.70	9,371.63	-98.11	9,372.15	0.00	0.00	0.00
18,600.00	90.00	359.71	9,195.70	9,471.63	-98.62	9,472.15	0.00	0.00	0.00
18,700.00	90.00	359.71	9,195.70	9,571.63	-99.13	9,572.14	0.00	0.00	0.00
18,800.00	90.00	359.71	9,195.70	9,671.63	-99.65	9,672.14	0.00	0.00	0.00
18,900.00	90.00	359.71	9,195.70	9,771.63	-100.16	9,772.14	0.00	0.00	0.00
19,000.00	90.00	359.71	9,195.70	9,871.63	-100.67	9,872.14	0.00	0.00	0.00
19,100.00	90.00	359.71	9,195.70	9,971.63	-101.18	9,972.14	0.00	0.00	0.00
19,200.00	90.00	359.71	9,195.70	10,071.62	-101.70	10,072.14	0.00	0.00	0.00
19,300.00	90.00	359.71	9,195.70	10,171.62	-102.21	10,172.14	0.00	0.00	0.00
19,400.00	90.00	359.71	9,195.70	10,271.62	-102.72	10,272.14	0.00	0.00	0.00
19,461.20	90.00	359.71	9,195.70	10,332.82	-103.04	10,333.33	0.00	0.00	0.00
TD at 19461.20' MD									

OXY

Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Top Spot 12_13 Fed 41H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=25' @ 3585.70ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=25' @ 3585.70ft
Site:	Top Spot 12_13 Fed Com	North Reference:	Grid
Well:	Top Spot 12_13 Fed 41H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Permitting Plan		

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Top Spot 12_13 - plan misses target center by 172.21ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-165.01	-49.27	504,087.87	726,001.36	32.384387	-103.735116
FTP (Top Spot 12_13 - plan misses target center by 203.28ft at 9100.00ft MD (9037.61 TVD, 12.71 N, -45.11 E) - Point	0.00	0.00	9,195.70	-115.01	-49.49	504,137.87	726,001.14	32.384525	-103.735116
PBHL (Top Spot - plan hits target center - Point	0.00	0.00	9,195.70	10,332.82	-103.04	514,585.13	725,947.60	32.413242	-103.735100

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
12,140.80	9,195.70	5-1/2" Intermediate Casing	5.500	6.000

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
820.70	820.70	RUSTLER			
1,125.70	1,125.70	SALADO			
2,000.00	2,000.00	MARKER BED 126			
2,875.70	2,875.70	CASTILE			
4,455.70	4,455.70	DELAWARE			
4,505.70	4,505.70	BELL CANYON			
5,431.70	5,431.70	CHERRY CANYON			
6,586.70	6,586.70	BRUSHY CANYON			
8,346.42	8,336.70	BONE SPRING			

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
7,373.00	7,373.00	0.00	0.00	Build 2°/100'	
7,872.89	7,870.35	-42.83	-7.64	Hold 10° Tangent	
8,537.88	8,525.25	-156.48	-27.92	KOP, Build & Turn 10°/100'	
9,536.20	9,195.70	407.95	-52.17	Landing Point	
19,461.20	9,195.70	10,332.82	-103.04	TD at 19461.20' MD	

Oxy USA Inc. - TOP SPOT 12_13 FED 41H Drill Plan

1. Geologic Formations

TVD of Target (ft):	9196	Pilot Hole Depth (ft):	
Total Measured Depth (ft):	19461	Deepest Expected Fresh Water (ft):	821

Delaware Basin

Formation	MD-RKB (ft)	TVD-RKB (ft)	Expected Fluids
Rustler	821	821	
Salado	1126	1126	Salt
Marker Bed 126	2000	2000	Salt
Castile	2876	2876	Salt
Delaware	4456	4456	Oil/Gas/Brine
Bell Canyon	4506	4506	Oil/Gas/Brine
Cherry Canyon	5432	5432	Oil/Gas/Brine
Brushy Canyon	6587	6587	Losses
Bone Spring	8346	8337	Oil/Gas
Bone Spring 1st			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

Section	Hole Size (in)	MD		TVD		Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
		From (ft)	To (ft)	From (ft)	To (ft)				
Surface	17.5	0	891	0	891	13.375	54.5	J-55	BTC
Salt	12.25	0	4456	0	4456	10.75	40.5	J-55	BTC-SC
Intermediate	9.875	0	8438	0	8425	7.625	26.4	L-80 HC	BTC
Production	6.75	0	19461	0	9196	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 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-Q and SOPA?	Y
If yes, are the first three strings cemented to surface?	Y
Is 2 nd string set 100' to 600' below the base of salt?	Y
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	931	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.1	1	Intermediate - Tail	85	1.33	14.8	20%	3,956	Circulate	Class C+Accel.
Int.1	1	Intermediate - Lead	622	1.73	12.9	50%	-	Circulate	Class Pozz+Ret.
Int. 2	1	Intermediate 1S - Tail	215	1.68	13.2	5%	6,837	Circulate	Class C+Ret., Disper.
Int. 2	2	Intermediate 2S - Tail BH	442	1.71	13.3	25%	3,956	Bradenhead Post-Frac	Class C+Accel.
Prod.	1	Production - Tail	653	1.84	13.3	25%	7,938	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:	TVD Depth (ft) per Section:
12.25" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	4456
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
Other*						
9.875" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	8425
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
Other*						
6.75" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	9196
		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.

	<p>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.</p>
	<p>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.</p>
Y	<p>Are anchors required by manufacturer?</p>
	<p>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.</p> <p>See attached schematics.</p>

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		Depth - TVD		Type	Weight (ppg)	Viscosity	Water Loss
	From (ft)	To (ft)	From (ft)	To (ft)				
Surface	0	891	0	891	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate 1	891	4456	891	4456	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Intermediate 2	4456	8438	4456	8425	Water-Based or Oil-Based Mud	8.0 - 10.0	38-50	N/C
Production	8438	19461	8425	9196	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, ACL2. Oxy will use a closed mud system.

What will be used to monitor the loss or gain of fluid?	PVT/MD Totco/Visual Monitoring
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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	4591 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	154°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. We plan to drill the 4 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. 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: 1650 bbls

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: <input type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
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WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
Property Code	Property Name TOP SPOT 12_13 FED	
OGRID No. 16696	Operator Name OXY USA INC.	Well Number 41H
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Ground Level Elevation 3560.7'
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
N	13	22S	31E		215 SOUTH	1580 WEST	32.384840°	-103.734953°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
C	12	22S	31E		20 NORTH	1530 WEST	32.413242°	-103.735100°	EDDY

Dedicated Acres 320	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> 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
N	13	22S	31E		50 SOUTH	1530 WEST	32.384387°	-103.735116°	EDDY

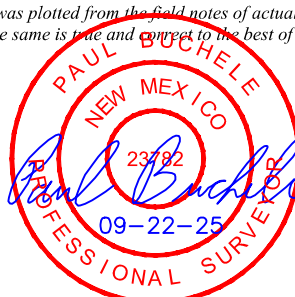
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
N	13	22S	31E		100 SOUTH	1530 WEST	32.384525°	-103.735116°	EDDY

Last Take Point (LTP)

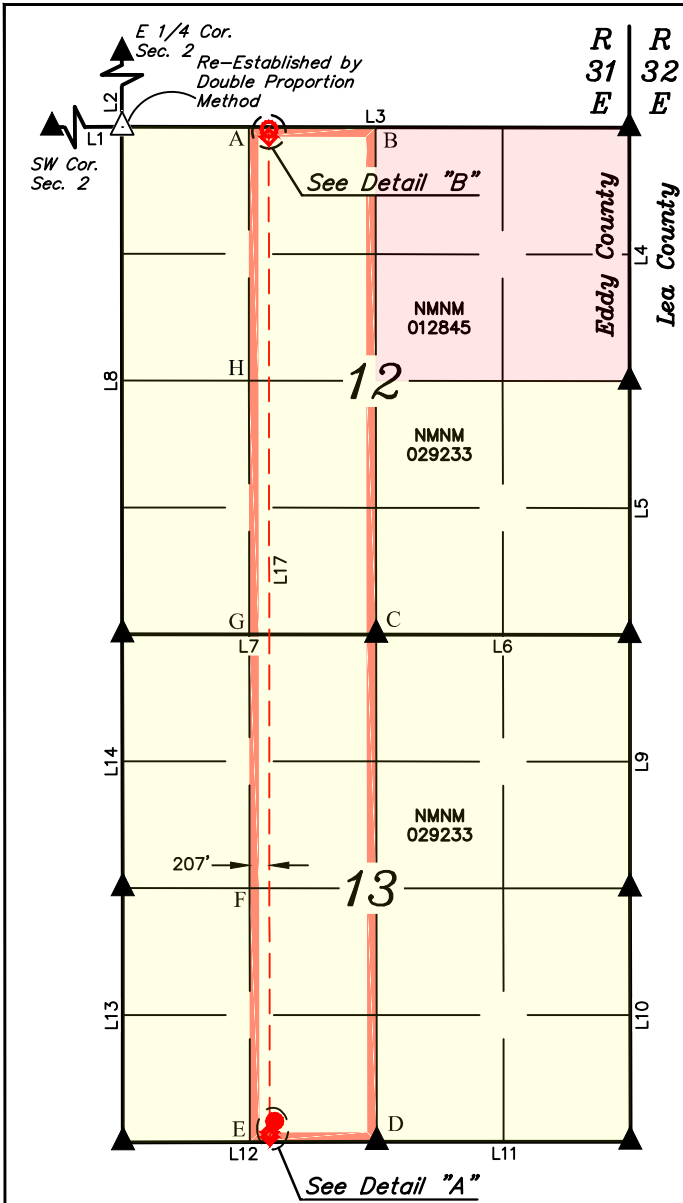
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
C	12	22S	31E		100 NORTH	1530 WEST	32.413022°	-103.735100°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation:
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<p>OPERATOR CERTIFICATIONS</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p> <p style="text-align: center;">10/16/2025</p>	<p>SURVEYOR CERTIFICATIONS</p> <p><i>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.</i></p> <div style="text-align: right;">  </div>
Signature LESLIE REEVES Printed Name Email Address	Signature and Seal of Professional Surveyor 23782 October 26, 2022 Certificate Number Date of Survey

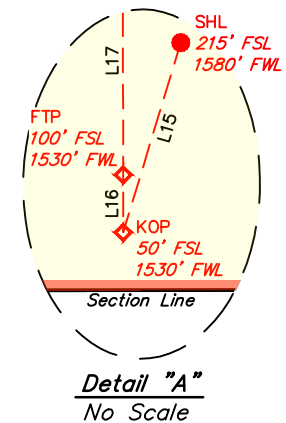
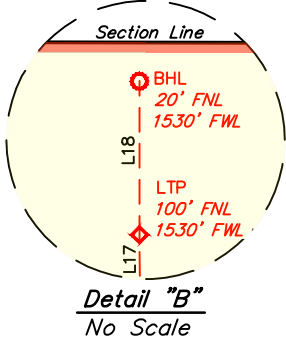
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TOP SPOT 12_13 FED	Well Number 41H	Drawn By L.M.W. 11-01-22	Revised By REV. 6 T.I.R. 09-22-25 (WELLBORE & WELL NAME UPDATES)
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- = SURFACE HOLE LOCATION
- ◆ = KICK OFF POINT/FIRST TAKE POINT/LAST TAKE POINT
- ◇ = LEASE CROSSING
- = BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)
- = HORIZONTAL SPACING UNIT

POINT	HSU COORDINATES		HSU COORDINATES	
	NAD 27 N.M. STATE PLANE, EAST ZONE	NAD 83 N.M. STATE PLANE, EAST ZONE	NAD 27 N.M. STATE PLANE, EAST ZONE	NAD 83 N.M. STATE PLANE, EAST ZONE
A	514543.93'	684556.74'	514604.62'	725738.78'
B	514547.09'	685877.72'	514607.78'	727059.77'
C	509266.21'	685905.18'	509326.77'	727087.38'
D	503984.61'	685934.52'	504045.03'	727116.88'
E	503976.14'	684612.04'	504036.56'	725794.39'
F	506621.00'	684598.83'	506681.49'	725781.10'
G	509261.78'	684583.78'	509322.34'	725765.98'
H	511903.05'	684570.26'	511963.67'	725752.38'



LINE	DIRECTION	LENGTH
L1	S89°48'38"W	5283.00'
L2	N00°05'15"W	2642.31'
L3	N89°53'45"W	5284.97'
L4	N00°02'49"W	2638.99'
L5	N00°04'00"W	2641.40'
L6	N89°55'57"W	2642.34'
L7	N89°57'03"W	2643.31'
L8	N00°02'58"W	5284.61'
L9	N00°03'46"W	2640.91'
L10	N00°04'43"W	2638.22'
L11	S89°59'17"W	2641.57'
L12	S89°52'27"W	2645.53'
L13	N00°00'53"W	2649.62'
L14	N00°05'42"W	2641.26'
L15	S16°52'02"W	172.23'
L16	N00°00'53"W	50.00'
L17	N00°03'09"W	10369.34'
L18	N00°02'58"W	80.00'

- 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.

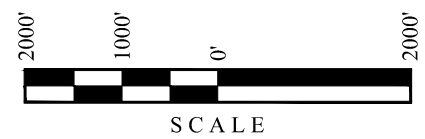
NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°23'05.42" (32.384840°)
LONGITUDE = -103°44'05.83" (-103.734953°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°23'04.98" (32.384717°)
LONGITUDE = -103°44'04.07" (-103.734465°)
STATE PLANE NAD 83 (N.M. EAST)
N: 504252.87' E: 726050.63'
STATE PLANE NAD 27 (N.M. EAST)
N: 504192.45' E: 684868.28'

NAD 83 (KICK OFF POINT)
LATITUDE = 32°23'03.79" (32.384387°)
LONGITUDE = -103°44'06.42" (-103.735116°)
NAD 27 (KICK OFF POINT)
LATITUDE = 32°23'03.35" (32.384264°)
LONGITUDE = -103°44'04.66" (-103.734627°)
STATE PLANE NAD 83 (N.M. EAST)
N: 504087.87' E: 726001.36'
STATE PLANE NAD 27 (N.M. EAST)
N: 504027.46' E: 684819.01'

NAD 83 (FIRST TAKE POINT)
LATITUDE = 32°23'04.29" (32.384525°)
LONGITUDE = -103°44'06.42" (-103.735116°)
NAD 27 (FIRST TAKE POINT)
LATITUDE = 32°23'03.85" (32.384402°)
LONGITUDE = -103°44'04.66" (-103.734627°)
STATE PLANE NAD 83 (N.M. EAST)
N: 504137.87' E: 726001.14'
STATE PLANE NAD 27 (N.M. EAST)
N: 504077.45' E: 684818.79'

NAD 83 (LAST TAKE POINT)
LATITUDE = 32°24'46.88" (32.413022°)
LONGITUDE = -103°44'06.36" (-103.735100°)
NAD 27 (LAST TAKE POINT)
LATITUDE = 32°24'46.44" (32.412899°)
LONGITUDE = -103°44'04.60" (-103.734610°)
STATE PLANE NAD 83 (N.M. EAST)
N: 514505.14' E: 725948.01'
STATE PLANE NAD 27 (N.M. EAST)
N: 514444.45' E: 684765.96'

NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 32°24'47.67" (32.413242°)
LONGITUDE = -103°44'06.36" (-103.735100°)
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 32°24'47.23" (32.413119°)
LONGITUDE = -103°44'04.60" (-103.734610°)
STATE PLANE NAD 83 (N.M. EAST)
N: 514585.13' E: 725947.60'
STATE PLANE NAD 27 (N.M. EAST)
N: 514524.43' E: 684765.56'



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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 555340

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 555340
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	3/23/2026