

Well Name: OLIVE WON UNIT	Well Location: T22S / R31E / SEC 26 / NWSE / 32.3613877 / -103.7465139	County or Parish/State: EDDY / NM
Well Number: 235H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM62590	Unit or CA Name:	Unit or CA Number:
US Well Number: 300155652100X1	Operator: OXY USA INCORPORATED	

Notice of Intent

Sundry ID: 2875594

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 09/24/2025	Time Sundry Submitted: 08:15
Date proposed operation will begin: 09/25/2025	

Procedure Description: OXY USA Inc. respectfully requests approval to skid and drill a replacement well. While drilling the subject well, Olive Won Unit 235H 30-015-56521 we experienced issues. OXY plans to plug and abandon the original SHL. Please update the original SHL well name to Olive Won Unit 235Y. OXY plans to skid over and drill a new/replacement well, Olive Won Unit 235H; New SHL: 2237' FSL 1962' FEL J-26-22S-31E. See the attached documents for the replacement well; 3160, new C102, updated directional and drill plan. No new surface disturbance will be needed for this replacement well.

NOI Attachments

Procedure Description

- OLIVEWONUNIT235H_13inADAPT_13.375in_9.625in_10x10_20250924201531.pdf
- OLIVEWONUNIT235H_VAM_SPRINT_SF_5.5in_20ppf_P110RY_20250924201512.pdf
- Blanket_Design_A_Pad_Review_Document_LSTTNK_22S31E_26_2_20250924201450.pdf
- Blanket_Design_A___OXY___3S_Slim_v7.2_20250924201439.pdf
- OLIVEWONUNIT235H_DrillPlan_20250924201424.pdf
- Olive_Won_Unit_235H___Plan_3_09_23_25_20250924201409.pdf
- OLIVE_WON_UNIT_235H_NEWSHL_C_102_20250924201326.pdf
- 3160_OliveWonUnit235H_20250924201313.pdf

Received by OCD: 1/15/2026 11:36:34AM

Well Name: OLIVE WON UNIT

Well Location: T22S / R31E / SEC 26 / NWSE / 32.3613877 / -103.7465139

County or Parish/State: EDDY / NM

Well Number: 235H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM62590

Unit or CA Name:

Unit or CA Number:

US Well Number: 300155652100X1

Operator: OXY USA INCORPORATED

Conditions of Approval

Authorized

3160_OliveWonUnit235H_20250924201313_signed_20250925160348.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: SEP 24, 2025 08:15 PM

Name: OXY USA INCORPORATED

Title: Advisor Regulatory

Street Address: 5 GREENWAY PLAZA, SUITE 110

City: HOUSTONState: 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: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 09/25/2025

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.

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well		
<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
2. Name of Operator		
3a. Address	3b. Phone No. (include area code)	
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		

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 recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

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.

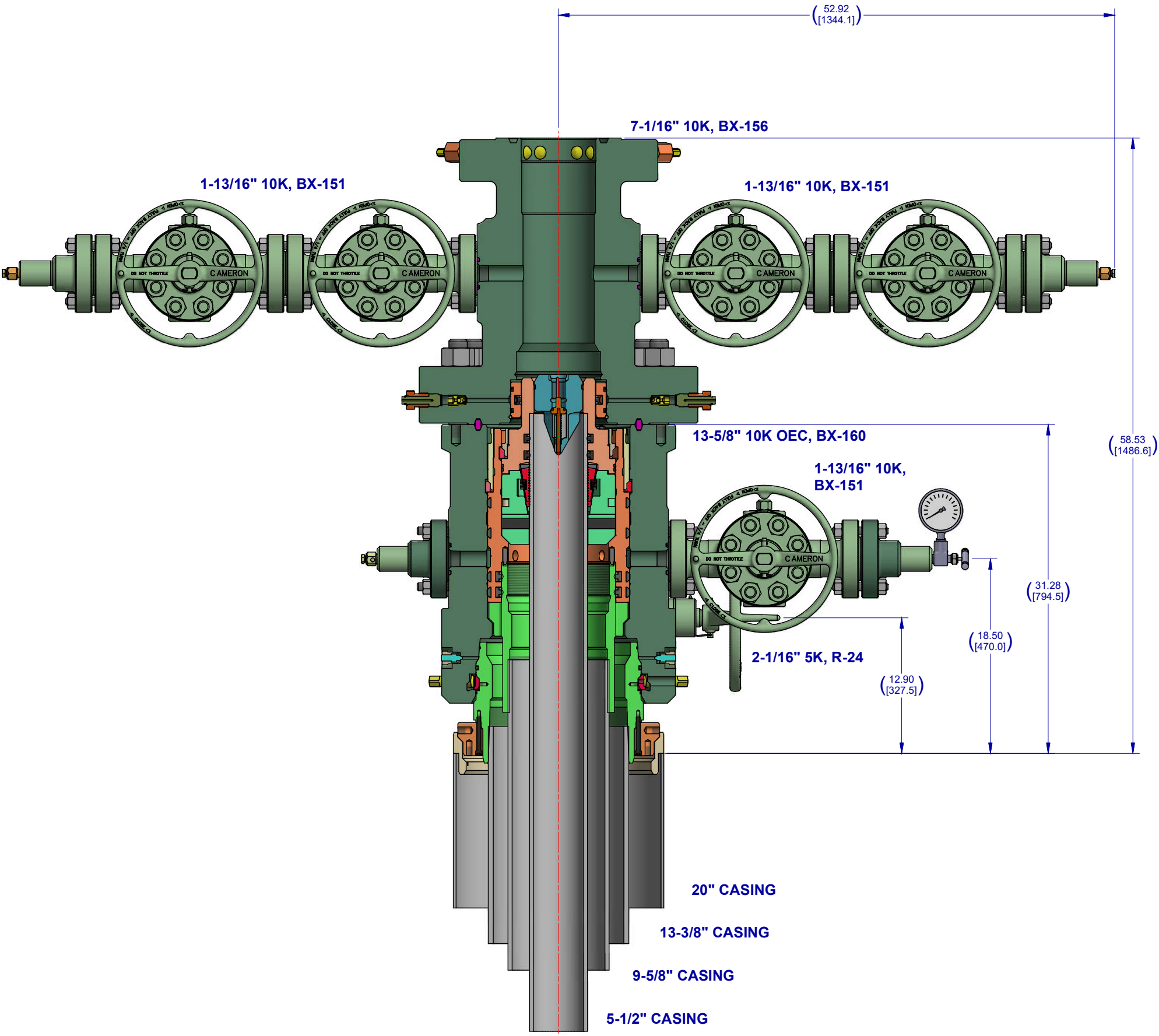
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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: NWSE / 2237 FSL / 1992 FEL / TWSP: 22S / RANGE: 31E / SECTION: 26 / LAT: 32.3613877 / LONG: -103.7465139 (TVD: 0 feet, MD: 0 feet)
PPP: SWSE / 0 FSL / 1832 FEL / TWSP: 22S / RANGE: 31E / SECTION: 23 / LAT: 32.3697463 / LONG: -103.7459942 (TVD: 11703 feet, MD: 14311 feet)
PPP: SWNE / 2539 FNL / 1830 FEL / TWSP: 22S / RANGE: 31E / SECTION: 26 / LAT: 32.3627673 / LONG: -103.7459912 (TVD: 11703 feet, MD: 12048 feet)
BHL: NWNW / 20 FNL / 1830 FEL / TWSP: 22S / RANGE: 31E / SECTION: 23 / LAT: 32.3841926 / LONG: -103.746 (TVD: 11703 feet, MD: 19566 feet)



Notes:

1. THIS IS A PROPOSAL DRAWING AND DIMENSIONS SHOWN ARE SUBJECT TO CHANGE DURING THE FINAL DESIGN PROCESS.

2. DIGITALLY ENABLED SOLUTIONS, CHOKES AND ESD'S AVAILABLE ON REQUEST

CONFIDENTIAL								
SURFACE TREATMENT	DO NOT SCALE		 CAMERON A Schlumberger Company	SURFACE SYSTEMS				
MATERIAL & HEAT TREAT	DRAWN BY:	DATE	OXY 13-5/8" 10K ADAPT 16" X 10-3/4" X 7-5/8" X 5-1/2"					
	D. GOTTUNG	18 FEB 22						
	CHECKED BY:	DATE						
	D. GOTTUNG	18 FEB 22						
ESTIMATED WEIGHT:	APPROVED BY:	DATE	SD-053434-94-12					
	D. GOTTUNG	18 FEB 22						
	6115.068 LBS	INITIAL USE B/M:					SHEET	REV:
	2773.748 KG						1 of 1	01
				INVENTOR: D				



CONNECTION DATA SHEET

OD: 5.500 in.

Weight: 20.00 lb/ft

Wall Th.: 0.361 in.

Grade: P110 RY

Drift: 4.653 in. (API)

VAM[®] SPRINT-SF



Semi-Flush

Field Torque Values

Make-up Torque (ft-lb)

20,000 MIN

22,500 OPTI

25,000 MAX

Torque with Sealability (ft-lb)

36,000 MTS

Locked Flank Torque (ft-lb)

4,500 MIN

15,750 MAX

(2) MTS: Maximum Torque with Sealability.

PIPE BODY PROPERTIES

Nominal OD	5.500	in.
Nominal ID	4.778	in.
Nominal Wall Thickness	0.361	in.
Minimum Wall Thickness	87.5	%
Nominal Weight (API)	20.00	lb/ft
Plain End Weight	19.83	lb/ft
Drift	4.653	in.
Grade Type	Controlled Yield	
Minimum Yield Strength	110	ksi
Maximum Yield Strength	125	ksi
Minimum Ultimate Tensile Strength	140	ksi
Pipe Body Yield Strength	641	klb
Internal Yield Pressure	12,640	psi
Collapse Pressure	11,110	psi

CONNECTION PROPERTIES

Connection Type	Semi-Premium Integral	
Nominal Connection OD	5.783	in.
Nominal Connection ID	4.718	in.
Make-up Loss	5.965	in.
Tension Efficiency	90	% Pipe Body
Compression Efficiency	90	% Pipe Body
Internal Pressure Efficiency	100	% Pipe Body
External Pressure Efficiency	100	% Pipe Body

JOINT PERFORMANCES

Tension Strength	577	klb
Compression Strength	577	klb
Internal Pressure Resistance	12,640	psi
External Pressure Resistance	11,110	psi
Maximum Bending, Structural	78	°/100 ft
Maximum Bending, with Sealability(1)	30	°/100 ft

(1) Sealability rating demonstrated as per API RP 5C5 / ISO 13679



BOOST YOUR EFFICIENCY, REDUCE COSTS
AND ENSURE 100% WELL INTEGRITY WITH
VAM[®] FIELD SERVICE

Scan the QR code
to contact us



Oxy USA Inc. - Blanket Design Pad Document

OXY - Blanket Design A

Pad Name: LSTTNK_22S31E_26_2

SHL: 2238' FSL 2052' FEL, Sec 26, T22S-R31E

Oxy requests for the bellow wells to be approved for the two designs listed in the Blanket Design document (**Blanket Design A –OXY –3S Slim v7.2.**) The MDs and TVDs for all intervals are within the boundary conditions. The max inclination and DLS are also within the boundary conditions (directional plans attached separately for review.)

1. Blanket Design - Wells

Well Name		APD #	Surface		Intermediate		Production	
			MD	TVD	MD	TVD	MD	TVD
OLIVE WON UNIT 233H		10400097712	901	901	11192	11081	19798	11734
OLIVE WON UNIT 234H		10400097715	902	902	11252	11215	19843	11856
OLIVE WON UNIT 235H		10400097719	903	903	11029	11029	19790	11727

2. Review Criteria Table

	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?	Y
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500’ into previous casing?	Y
Is well located in R-111-Q and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100’ to 600’ below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Geologic Formations

Formation	MD-RKB (ft)	TVD-RKB (ft)	Expected Fluids
Rustler	841	841	
Salado	1133	1133	Salt
Castile	3034	3034	Salt
Delaware	4432	4432	Oil/Gas/Brine
Bell Canyon	4481	4481	Oil/Gas/Brine
Cherry Canyon	5409	5406	Oil/Gas/Brine
Brushy Canyon	6575	6551	Losses
Bone Spring	8377	8320	Oil/Gas
Bone Spring 1st	9542	9463	Oil/Gas
Bone Spring 2nd	10090	10001	Oil/Gas
Bone Spring 3rd	11226	11117	Oil/Gas
Wolfcamp	11783	11603	Oil/Gas
Penn			Oil/Gas
Strawn			Oil/Gas

4. Cementing Program

Section	Stage	Slurry:	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	941	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	586	1.68	13.2	5%	6,825	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	1220	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	515	1.84	13.3	25%	10,692	Circulate	Class C+Ret.



Oxy Blanket Design - Casing Design "A"



1. Casing Program

The designs and associated details listed in this document are the "worst case scenario" boundaries for design safety factors.

Location and lithology have NOT been accounted for in these designs; however, the designs are NOT valid for wells within KPLA Boundaries or Capitan Reef areas. The specific well details will be based on the APD/Sundry package and the information listed in the COA.

The mud program listed below will remain the same between each design variation.

Hole will be full during casing run for well control and tensile SF.

Casing will be kept at least half full during run for these designs to meet BLM collapse SF requirement.

Design Variation "A1"

Section	Hole Size (in)	MD		TVD		Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
		From (ft)	To (ft)	From (ft)	To (ft)				
Surface	14.75	0	1200	0	1200	10.75	45.5	J-55	BTC
Intermediate	9.875	0	13111*	0	12775*	7.625	26.4	L-80 HC	BTC Axis HT GBCD
Production	6.75	0	23361	0	12775	5.5	20	P-110	Wedge 461 Sprint SF DWC/C-HT-IS

*Curve could be in intermediate or production section

Design Variation "A2" - Option to Pivot to Design "B" for Contingency 4S

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	1200	0	1200	13.375	54.5	J-55	BTC
Intermediate	12.25+	0	13111*	0	12775*	7.625	26.4	L-80 HC	BTC Axis HT GBCD
Production	6.75	0	23361	0	12775	5.5	20	P-110	Wedge 461 Sprint SF DWC/C-HT-IS

*Curve could be in intermediate or production section

†If 4S Contingency is not required, Oxy requests permission to transition from 12.25" to 9.875" Intermediate at some point during the hole section. Cement volumes will be updated on C103 submission.

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



Oxy Blanket Design - Casing Design "A"



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.

§Annular Clearance Variance Request may not apply to all connections used or presented.

2. Trajectory / Boundary Conditions

Section	MD		TVD		Max. Angle	Max. Planned DLS
	Deepest KOP (ft)	End Build (ft)	Deepest KOP (ft)	End Build (ft)		
Surface	0	1200	0	1200	5°	1°/100 ft
Intermediate	5000 (inside Cherry Canyon)	6500	4980	6390	20°	2°/100 ft
	12211	13111	12202	12775	92° ‡	12°/100 ft ‡
Production	12211 (~100' MD past ICP)	13111	12202	12775	92° ‡	12°/100 ft ‡

‡ Applies only when intermediate casing depth is deepened to landing point to match TVD of production in some areas where required to accommodate higher MWs in depleted areas.

Oxy has reviewed casing burst, collapse, and axial loadcases in Landmark StressCheck with the boundary conditions in the table above which satisfies Oxy and BLM minimum design criteria. Triaxial plots for each casing string is shown in Section 7 and intermediate load case inputs are shown in Section 8.



Oxy Blanket Design - Casing Design "A"



3. Cementing Program

NOTE: Blanket design is for technical review only. The cement volumes will be adjusted to ensure cement tops meet BLM requirements.

Design Variation "A1"

Section	Stage	Slurry:	Sacks	Yield (ft ³ /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	819	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	658	1.68	13.2	5%	7,206	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	1111	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	665	1.84	13.3	25%	11,611	Circulate	Class C+Ret.
Prod.	2*	Production - Tail BH*	TBD	1.84	13.3	50%	500' inside prev csg	Circulate	Class C+Ret.

*Only applies in scenario where planned single stage job TOC is not 500' above previous shoe as designed/programmed requiring bradenhead 2nd stage to meet requirements

Design Variation "A2"

Section	Stage	Slurry:	Sacks	Yield (ft ³ /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	1023	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	658	1.68	13.2	5%	7,206	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	1293	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	665	1.84	13.3	25%	11,611	Circulate	Class C+Ret.
Prod.	2*	Production - Tail BH*	TBD	1.84	13.3	50%	500' inside prev csg	Circulate	Class C+Ret.

*Only applies in scenario where planned single stage job TOC is not 500' above previous shoe as designed/programmed requiring bradenhead 2nd stage to meet requirements

As Reviewed and Approved by BLM on Feb 8, 2024: Oxy uses a Class C / Pozzolan mix on its production cement slurry, which has the same fluid properties as Class H, and has been pilot and field blend tested to have as good or better compressive strength development at our target densities.

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.



Oxy Blanket Design - Casing Design "A"



4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type		✓	Tested to:	Deepest TVD Depth (ft) per Section:
9.875" Hole	13-5/8"	5M	Annular		✓	70% of working pressure	12775**
		5M	Blind Ram		✓	250 psi / 5000 psi	
			Pipe Ram				
			Double Ram		✓		
			Other*				
6.75" Hole	13-5/8"	5M	Annular		✓	100% of working pressure	12775
		10M	Blind Ram		✓	250 psi / 10000 psi	
			Pipe Ram				
			Double Ram		✓		
			Other*				

*Specify if additional ram is utilized

**Curve could be in intermediate or production section

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. See attached schematics.

5M Annular BOP Request

Per BLM's Memorandum No. NM-2017-008: *Decision and Rationale for a Variance Allowing the Use of a 5M Annular Preventer with a 10M BOP Stack*, Oxy requests to employ a 5M annular with a 10M BOPE stack in the pilot and lateral sections of the well and will ensure that two barriers to flow are



Oxy Blanket Design - Casing Design "A"



Formation integrity test will be performed per 43 CFR part 3170 Subpart 3172.

On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR part 3170 Subpart 3172.

A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. Coflex hoses are in compliance with API 16C and meets inspection and testing requirements. See attached for specs and hydrostatic test chart.

Y

Are anchors required by manufacturer?

A multibowl or a unionized multibowl wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per 43 CFR part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015.

See attached Schematics.

BOP Break Testing Request

Oxy requests permission to adjust the BOP break testing requirements as per the agreement reached in the OXY/BLM meeting on September 5, 2019. Please see BOP Break Testing Variance attachment for further details.

Hammer Union Variance

Oxy requests permission for hammer unions behind the choke to be routed to the gas buster. The hammer unions will not be subject to wellbore pressure in compliance with API STD 53.

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.



Oxy Blanket Design - Casing Design "A"



5. Mud Program & Drilling Conditions

Section	Depth - MD		Depth - TVD		Type	Weight (ppg)	Viscosity	Water Loss
	From (ft)	To (ft)	From (ft)	To (ft)				
Surface	0	1200	0	1200	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate	1200	13111*	1200	12775*	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Production	13111	23361	12775	12775	Water-Based or Oil-Based Mud	9.5 - 13.5	38-50	N/C

Curve could be in intermediate or production section

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

Drilling Blind Request

In the event total losses are encountered in the intermediate section, Oxy requests permission to drill blind due to depleted formations where risk of hydrocarbon kicks are unlikely.

- Oxy will first attempt to cure losses before proceeding with drilling blind
- Drilling blind will only be allowed in the Castille and formations below
- While drilling blind, will monitor backside by filling-up on connections and utilize gas monitors
- Depths at which losses occurred and attempt to cure losses with relevant details (LCM sweep info, etc.) will be documented in the drillers log and Subsequent Reports to the BLM.
- If a well control event (hydrocarbon kick) occurs while drilling blind, the BLM will be notified after the well is secured and returned to static.

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

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 isolation.

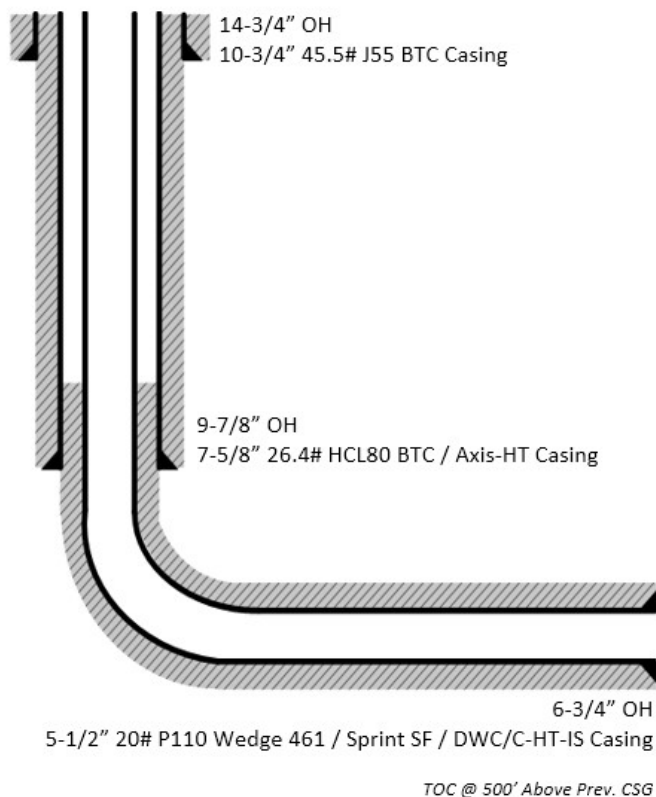


Oxy Blanket Design - Casing Design "A"

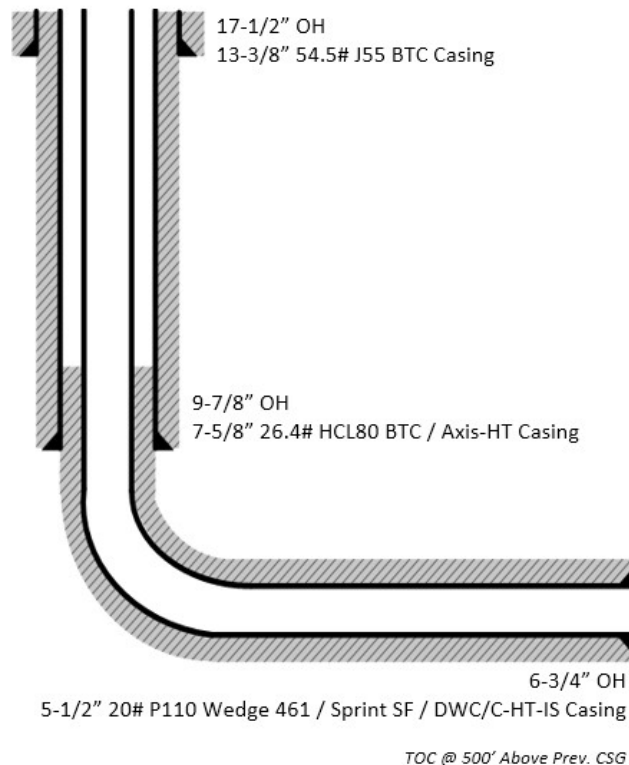


6. Wellbore Diagram(s)

Design Variation "A1"



Design Variation "A2"

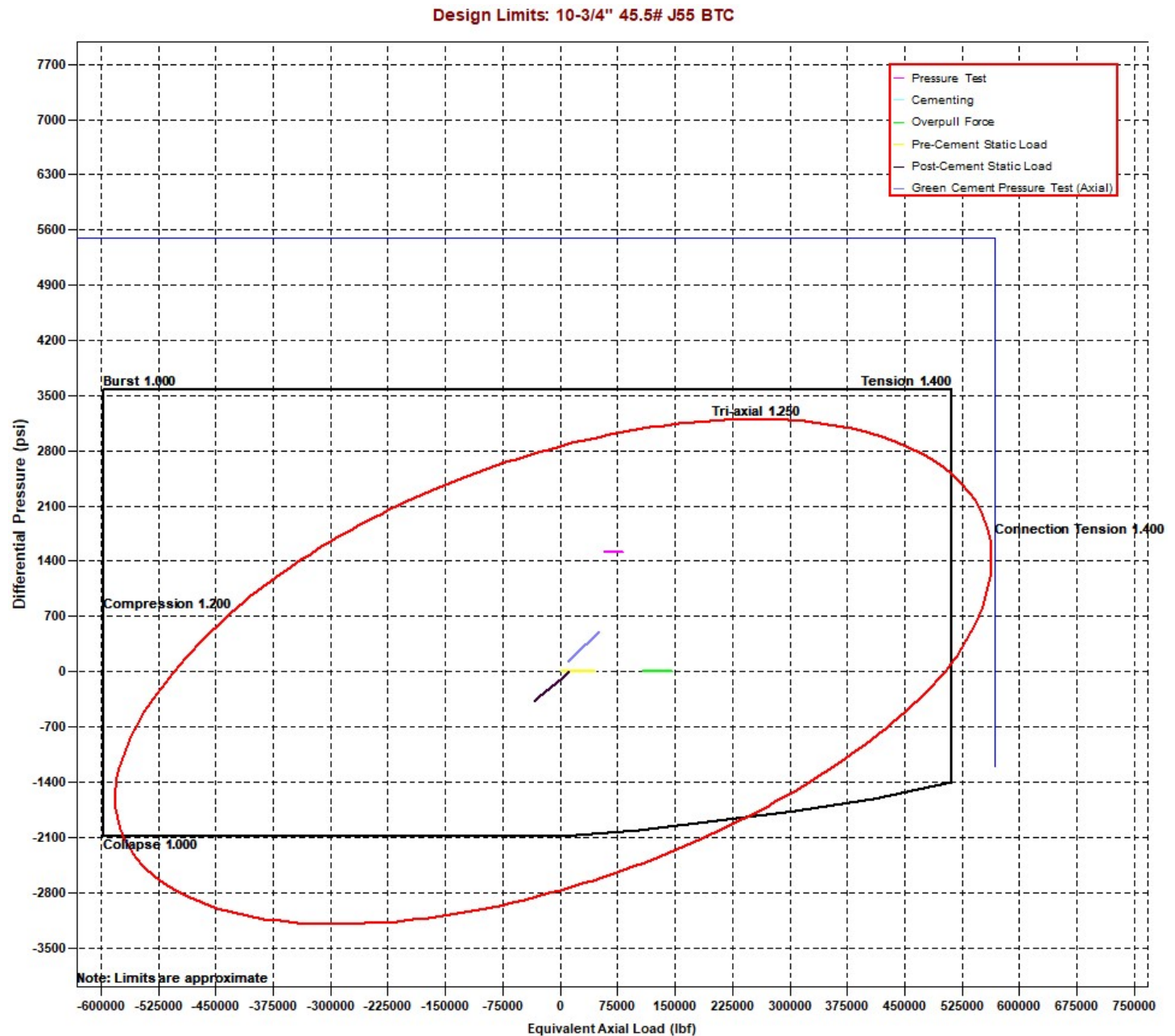




Oxy Blanket Design - Casing Design "A"

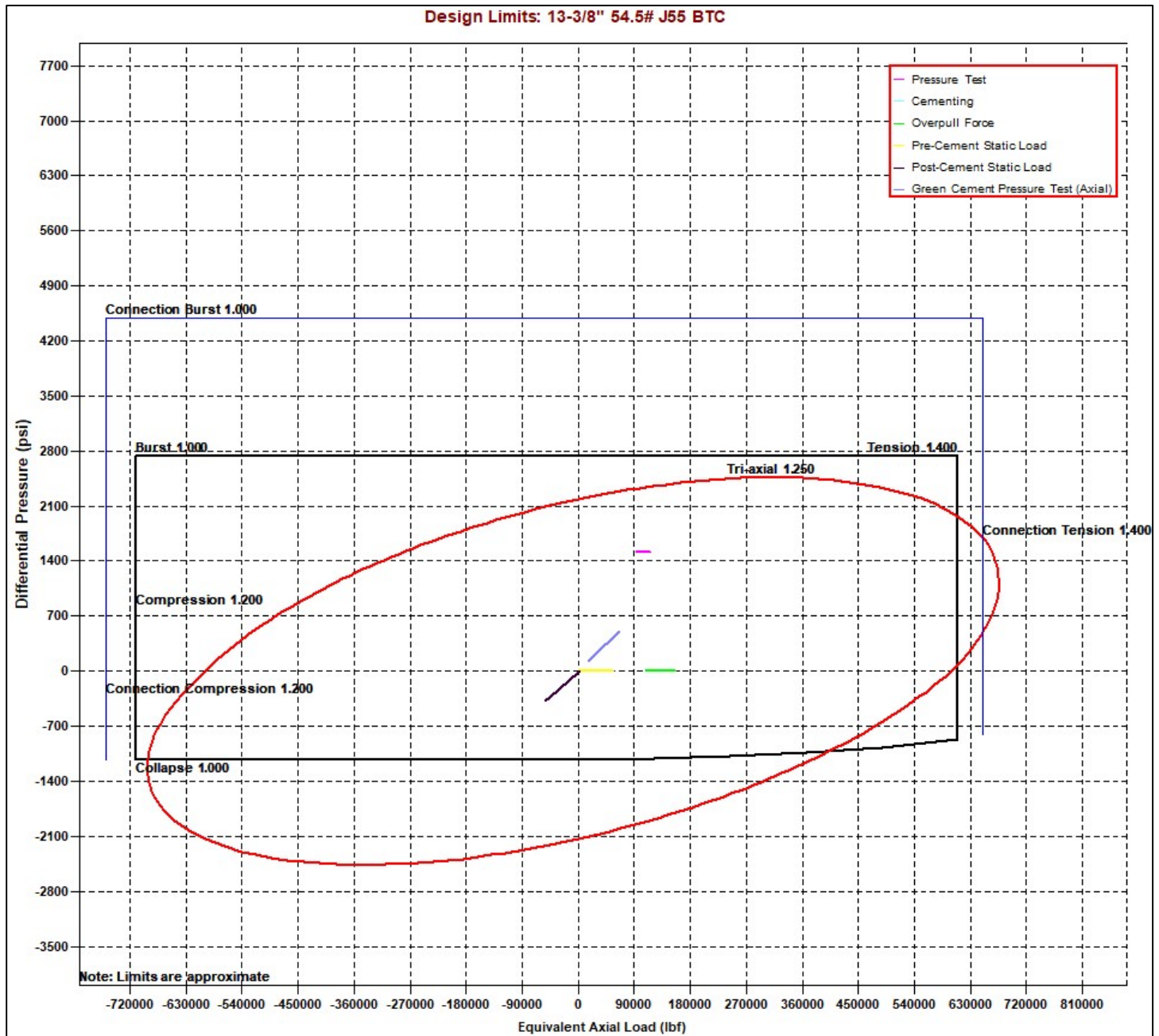


7. Landmark StressCheck Screenshots – Triaxial Output





Oxy Blanket Design - Casing Design "A"

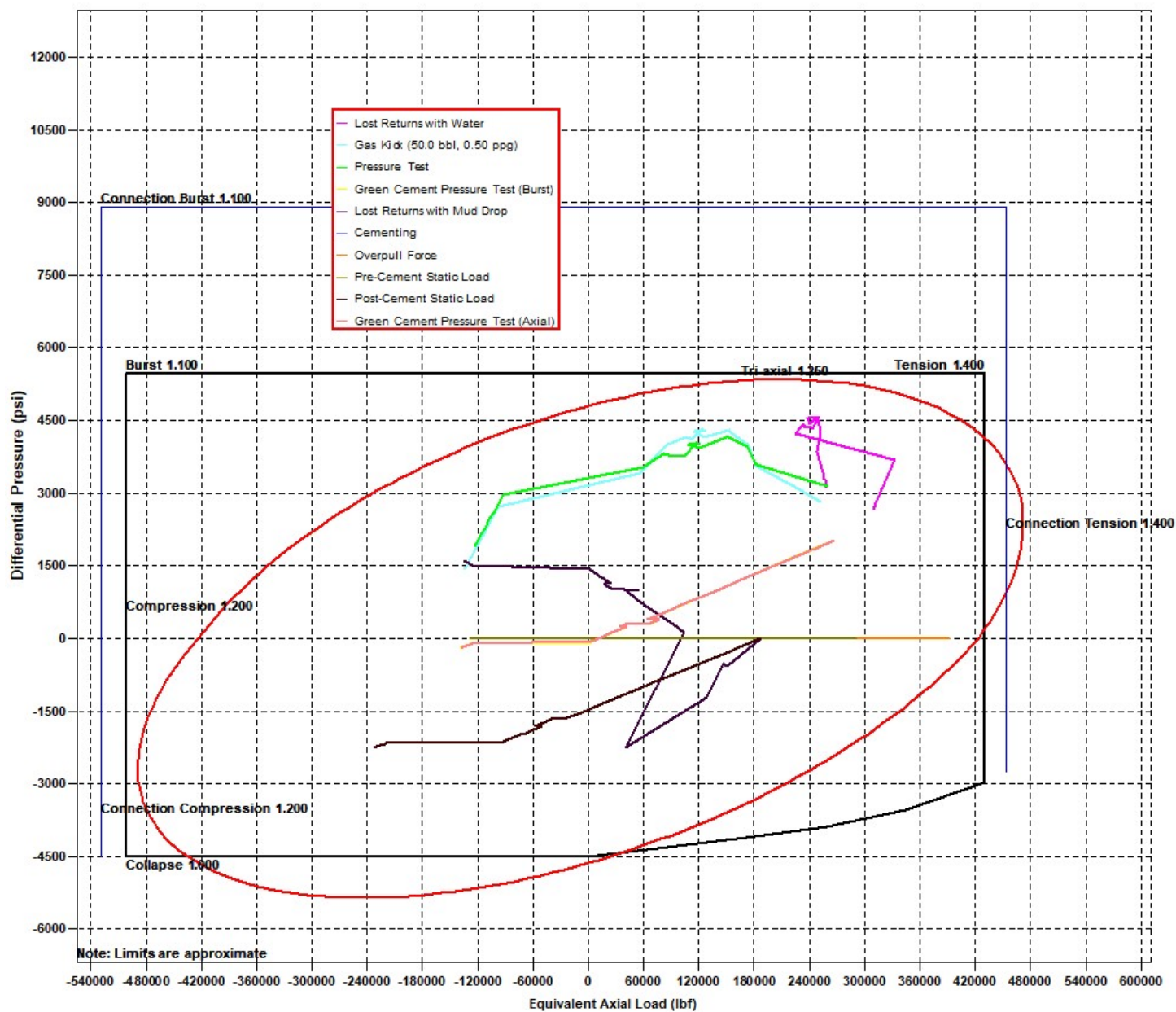




Oxy Blanket Design - Casing Design "A"



Design Limits: 7-5/8" 26.4# HC-L80 BTC

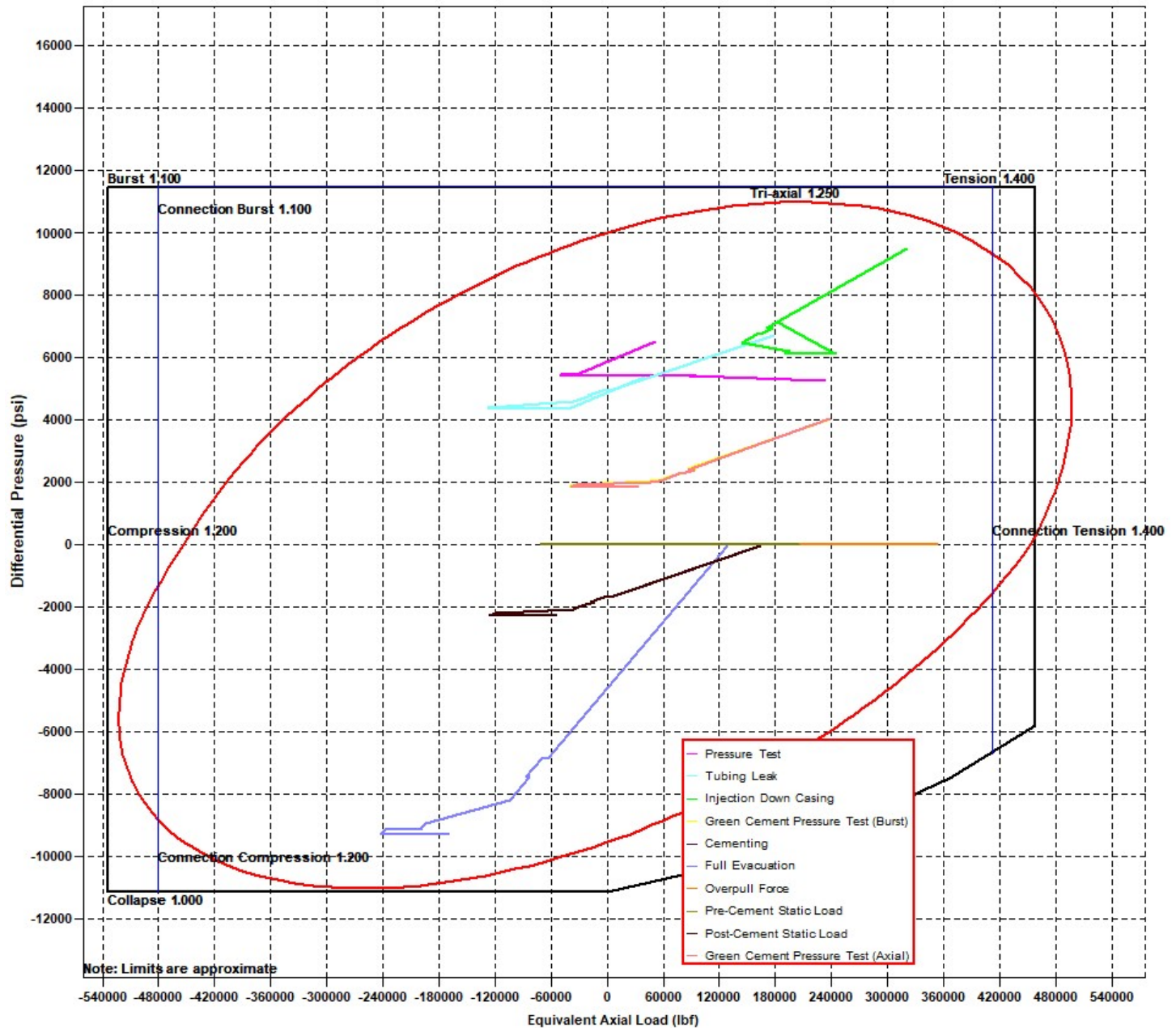




Oxy Blanket Design - Casing Design "A"



Design Limits: 5-1/2" 20# P110 Sprint SF





Oxy Blanket Design - Casing Design "A"



8. Landmark StressCheck Screenshots – Inputs for Intermediate CSG Load Cases

Burst Load Cases

General		7 5/8" Intermediate Casing
Burst Loads Data		
Drilling Load:	Lost Returns with Water	
Fracture at Shoe (MD= 13111.00 ft):	10591 psi	
Mud/Water Interface, MD:	0.00 ft	
Mud Weight	11.28 ppg	
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)	
Drilling Load:	Gas Kick Profile	
Influx Depth, MD:	23361.00 ft	
Kick Volume:	50.0 bbl	
Kick Intensity	0.50 ppg	
Maximum Mud Weight:	13.50 ppg	
Kick Gas Gravity:	0.55 (0.1159 psi/ft @ 182 °F & 9291 psi)	
Fracture at Shoe (MD= 13111.00 ft):	10591 psi	
Drill Pipe OD:	5.000 in	
Collar OD:	5.500 in	
Collar Length:	200.00 ft	
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)	
Drilling Load:	Pressure Test	
Test Pressure:	3120 psi	
Mud Weight:	10.00 ppg	
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)	
Drilling Load:	Green Cement Pressure Test	
Test Pressure:	2000 psi	
Mud Weight at Shoe:	10.00 ppg	
TOC, MD:	25.00 ft	
Lead Slurry Density:	13.30 ppg	
Tail Slurry Density:	13.30 ppg	
Tail Slurry Length:	5906.00 ft	
Displacement Fluid Density:	10.00 ppg	
Float Collar Depth, MD:	12800.00 ft	
External Pressure:	Fluid Gradients (w/ Pore Pressure)	
TOC, MD:	25.00 ft	
Prior Shoe, MD:	1200.00 ft	
Mud Weight Above TOC:	10.00 ppg	
Fluid Gradient Below TOC:	8.33 ppg	
Wellhead Pressure:	13 psi	
Pore Pressure In Open Hole:	Yes	



Oxy Blanket Design - Casing Design "A"



Collapse Load Cases

General		7 5/8" Intermediate Casing
Collapse Loads Data		
Drilling Load:		Cementing
Mud Weight at Shoe:		10.00 ppg
TOC, MD:		25.00 ft
Lead Slurry Density:		13.30 ppg
Tail Slurry Density:		13.30 ppg
Tail Slurry Length:		5906.00 ft
Displacement Fluid Density:		10.00 ppg
Float Collar Depth, MD:		12800.00 ft
Assigned External Pressure:		Fluid Gradients (w/ Pore Pressure)
Drilling Load:		Lost Returns with Mud Drop
Lost Returns Depth, MD:		13110.89 ft
Pore Pressure at Lost Returns Depth:		8183 psi
Pore Pressure Gradient at Lost Returns Depth:		12.33 ppg
Mud Weight:		13.50 ppg
Mud Drop Level, MD:		1106.39 ft
Assigned External Pressure:		Fluid Gradients (w/ Pore Pressure)
External Pressure:		Fluid Gradients (w/ Pore Pressure)
TOC, MD:		25.00 ft
Prior Shoe, MD:		1200.00 ft
Fluid Gradient Above TOC:		10.00 ppg
Fluid Gradient Below TOC:		10.00 ppg
Wellhead Pressure:		13 psi
Pore Pressure In Open Hole Below TOC:		No

Axial Load Cases

General		7 5/8" Intermediate Casing
Axial Loads Data		
Overpull Force:		100000 lbf
Pre-Cement Static Load:		Yes
Pickup Force:		0 lbf
Post-Cement Static Load:		Yes
Green Cement Pressure Test:		2000 psi
Service Loads:		Yes



Oxy Blanket Design - Casing Design "A"



9. Landmark StressCheck Screenshot – Int. Casing Triaxial Results Table (Pressure Test)

StressCheck - [Triaxial Results - Blanket Design A1 *]
File Edit Wellbore Tubular View Composer Tools Window Help

7 5/8" Intermediate Casing
Pressure Test

	Depth (MD) (ft)	Axial Force (lbf)		Equivalent Axial Load (lbf)	Bending Stress at OD (psi)	Absolute Safety Factor				Temperature (°F)	Pressure (psi)		Add'l Pickup To Prevent Buck. (lbf)	Buckled Length (ft)
		Apparent (w/Bending)	Actual (w/o Bending)			Triaxial	Burst	Collapse (V)	Axial		Internal	External		
28	12300	-142410	-17423	-94936	16622.5	1.79	2.10	N/A	(4.09)	178	9505	6732		
29	12400	-149639	-24652	-100590	16622.5	1.87	2.25	N/A	(3.89)	179	9555	6970		
30	12400	-149640	-24653	-100591	16622.5	1.87	2.25	N/A	(3.89)	179	9555	6970		
31	12500	-156448	-31461	-105919	16622.5	1.95	2.42	N/A	(3.72)	180	9603	7193		
32	12500	-156449	-31462	-105920	16622.5	1.95	2.42	N/A	(3.72)	180	9603	7193		
33	12550	-159630	-34643	-108410	16622.5	1.99	2.50	N/A	(3.64)	180	9625	7298		
34	12550	-159631	-34644	-108411	16622.5	1.99	2.50	N/A	(3.64)	180	9625	7298		
35	12600	-162630	-37643	-110759	16622.5	2.03	2.59	N/A	(3.58)	180	9646	7396		
36	12600	-162631	-37644	-110760	16622.5	2.03	2.59	N/A	(3.58)	180	9646	7396		
37	12650	-165426	-40439	-112949	16622.5	2.07	2.67	N/A	(3.52)	181	9665	7488		
38	12650	-165427	-40440	-112950	16622.5	2.07	2.67	N/A	(3.52)	181	9665	7488		
39	12700	-167997	-43010	-114963	16622.5	2.10	2.76	N/A	(3.46)	181	9683	7573		
40	12700	-167998	-43011	-114963	16622.5	2.10	2.76	N/A	(3.46)	181	9683	7573		
41	12750	-170322	-45335	-116784	16622.5	2.13	2.84	N/A	(3.41)	181	9699	7649		
42	12750	-170323	-45336	-116785	16622.5	2.13	2.84	N/A	(3.41)	181	9699	7649		
43	12800	-172385	-47398	-118401	16622.5	2.16	2.91	N/A	(3.37)	181	9714	7717		
44	12800	-172386	-47399	-118401	16622.5	2.16	2.91	N/A	(3.37)	181	9714	7717		
45	12850	-174169	-49183	-119799	16622.5	2.19	2.98	N/A	(3.34)	182	9726	7775		
46	12850	-174170	-49183	-119800	16622.5	2.19	2.98	N/A	(3.34)	182	9726	7775		
47	12900	-175662	-50675	-120969	16622.5	2.21	3.04	N/A	(3.31)	182	9736	7824		
48	12950	-176851	-51864	-121901	16622.5	2.23	3.09	N/A	(3.29)	182	9745	7863		
49	13000	-177727	-52740	-122588	16622.5	2.24	3.13	N/A	(3.27)	182	9751	7892		
50	13000	-177728	-52741	-122588	16622.5	2.24	3.13	N/A	(3.27)	182	9751	7892		
51	13050	-178285	-53298	-123025	16622.5	2.25	3.15	N/A	(3.26)	182	9755	7910		
52	13111	-178527	-53540	-123214	16622.5	2.25	3.16	N/A	(3.26)	182	9756	7918		
53														
54														
55														
56														

() Compression
(V) Vector Collapse Safety Factor

Internal Pressure = Surface Pressure + Hydrostatic = 9756 psi

External Pressure = Fluid Gradient w/ Pore Pressure = 7918 psi

Burst SF = 3.16

NOTE: Specific load case inputs for the pressure test can be seen in **Section 8** above. The test pressure does not exceed 70% of the minimum internal yield.



Oxy Blanket Design - Casing Design "A"



10. Intermediate Non-API Casing Spec Sheet



Technical Data Sheet

7 5/8" 26.40 lbs/ft. L80HC - Axis HT

Mechanical Properties

Minimum Yield Strength	psi.	80,000
Maximum Yield Strength	psi.	95,000
Minimum Tensile Strength	psi.	95,000

Dimensions

		Pipe	AXIS HT
Outside Diameter	in.	7.625	8.500
Wall Thickness	in.	0.328	-
Inside Diameter	in.	6.969	-
Standard Drift	in.	6.844	6.844
Alternate Drift	in.	-	-
Plain End Weight	lbs/ft.	-	-
Nominal Linear Weight	lbs/ft.	26.40	-

Performance

		Pipe	AXIS HT
Minimum Collapse Pressure	psi.	4,320	-
Minimum Internal Yield Pressure	psi.	6,020	6,020
Minimum Pipe Body Yield Strength	lbs.	602 x 1,000	-
Joint Strength	lbs.	-	635 x 1,000

Make-Up Torques

		Pipe	AXIS HT
Optimum Make-Up Torque	ft/lbs.	-	8,000
Maximum Operational Torque	ft/lbs.	-	25,000

Disclaimer: The content of this Technical Data Sheet is for general information only and does not guarantee performance and/or accuracy, which can only be determined by a professional expert with the specific installation and operation parameters. Information printed or downloaded may not be current and no longer in control by Axis Pipe and Tube. Anyone using the information herein does so at his or her own risk. To verify that you have the latest technical information, please contact Axis Pipe and Tube Technical Sales +1 (979) 599-7600, www.axispipeandtube.com



Oxy Blanket Design - Casing Design "A"



11. Production Non-API Casing Spec Sheets

Printed on: 11/09/2021

TenarisHydril Wedge 461[®] MS



Coupling	Pipe Body
Grade: P110-4CY	Grade: P110-4CY
Body: White	1st Band: White
1st Band: Pale Green	2nd Band: Pale Green
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-4CY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	MS				

Pipe Body Data

Geometry		Performance	
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		
		Body Yield Strength	729 x1000 lb
		Min. Internal Yield Pressure	14,360 psi
		SMYS	125,000 psi
		Collapse Pressure	12,300 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.050 in.	Tension Efficiency	100 %	Minimum	17,000 ft-lb
Coupling Length	7.714 in.	Joint Yield Strength	729 x1000 lb	Optimum	18,000 ft-lb
Connection ID	4.778 in.	Internal Pressure Capacity	14,360 psi	Maximum	21,600 ft-lb
Make-up Loss	3.775 in.	Compression Efficiency	100 %		
Threads per inch	3.40	Compression Strength	729 x1000 lb	Operation Limit Torques	
Connection OD Option	Ms	Max. Allowable Bending	104 °/100 ft	Operating Torque	43,000 ft-lb
		External Pressure Capacity	12,300 psi	Yield Torque	51,000 ft-lb
		Coupling Face Load	273,000 lb		
				Buck-On	
				Minimum	21,600 ft-lb
				Maximum	23,100 ft-lb

Notes

This connection is fully interchangeable with:
 Wedge 441® - 5.5 in. - 0.304 / 0.361 in.
 Wedge 461® - 5.5 in. - 0.304 / 0.415 / 0.476 in.
 Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version
 In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable

For the latest performance data, always visit our website: www.tenaris.com

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information – if any – provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com. ©Tenaris 2021. All rights reserved.



Oxy Blanket Design - Casing Design "A"



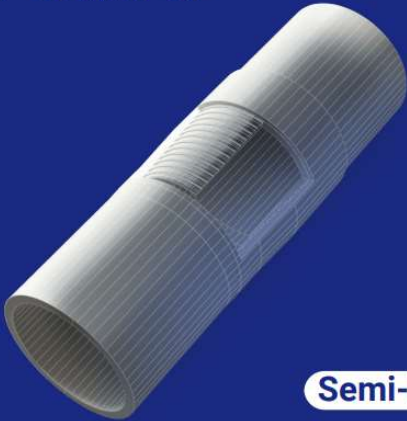
Generated on May 21, 2024



CONNECTION DATA SHEET

OD: 5.500 in. Grade: P110
Weight: 20.00 lb/ft Drift: 4.653 in. (API)
Wall Th.: 0.361 in.

VAM® SPRINT-SF



Semi-Flush

Field Torque Values

Make-up Torque (ft-lb)

20,000 MIN
22,500 OPTI
25,000 MAX

Torque with Sealability (ft-lb)

36,000 MTS

Locked Flank Torque (ft-lb)

4,500 MIN
15,750 MAX

(2) MTS: Maximum Torque with Sealability.

PIPE BODY PROPERTIES

Nominal OD	5.500	in.
Nominal ID	4.778	in.
Nominal Wall Thickness	0.361	in.
Minimum Wall Thickness	87.5	%
Nominal Weight (API)	20.00	lb/ft
Plain End Weight	19.83	lb/ft
Drift	4.653	in.
Grade Type	API 5CT	
Minimum Yield Strength	110	ksi
Maximum Yield Strength	140	ksi
Minimum Ultimate Tensile Strength	125	ksi
Pipe Body Yield Strength	641	klb
Internal Yield Pressure	12,640	psi
Collapse Pressure	11,100	psi

CONNECTION PROPERTIES

Connection Type	Semi-Premium Integral Semi-Flu	
Nominal Connection OD	5.783	in.
Nominal Connection ID	4.718	in.
Make-up Loss	5.965	in.
Tension Efficiency	90	% Pipe Body
Compression Efficiency	90	% Pipe Body
Internal Pressure Efficiency	100	% Pipe Body
External Pressure Efficiency	100	% Pipe Body

JOINT PERFORMANCES

Tension Strength	577	klb
Compression Strength	577	klb
Internal Pressure Resistance	12,640	psi
External Pressure Resistance	11,100	psi
Maximum Bending, Structural	78	°/100 ft
Maximum Bending, with Sealability(1)	30	°/100 ft

(1) Sealability rating demonstrated as per API RP 5C5 / ISO 13679



BOOST YOUR EFFICIENCY, REDUCE COSTS
AND ENSURE 100% WELL INTEGRITY WITH
VAM® FIELD SERVICE

Scan the QR code
to contact us



The information available on this Site ("Information") is offered for general information. It is supposed to be correct at the time of publishing on the Site but is not intended to constitute professional advice and is provided 'as is'. Vallourec does not guarantee the completeness and accuracy of this information. Under no circumstances will Vallourec be liable for damage, liability of any kind, or any loss or injury that may result from the credibility given to this information or its use. The information may be amended, corrected, at any time by Vallourec without warning. Vallourec's products and services are subject to Vallourec's The Information may be amended, corrected, and/or supplemented at any time by Vallourec without warning, standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services.



Oxy Blanket Design - Casing Design "A"



DWC/C-HT-IS

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

‡ 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.

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

03/04/2024 08:36:50 PM





Oxy Blanket Design - Casing Design "A"



VAM USA
2107 CityWest Boulevard Suite 1300
Houston, TX 77042
Phone: 713-479-3200
Fax: 713-479-3234

VAM® USA Sales E-mail: VAMUSAsales@vam-usa.com
Tech Support Email: tech.support@vam-usa.com

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.

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

03/04/2024 08:36:50 PM



Oxy USA Inc. - OLIVE WON UNIT 235H

Drill Plan

1. Geologic Formations

TVD of Target (ft):	11727	Pilot Hole Depth (ft):	
Total Measured Depth (ft):	19790	Deepest Expected Fresh Water (ft):	843

Delaware Basin

Formation	MD-RKB (ft)	TVD-RKB (ft)	Expected Fluids
Rustler	843	843	
Salado	1130	1130	Salt
Castile	3033	3033	Salt
Delaware	4435	4435	Oil/Gas/Brine
Bell Canyon	4483	4483	Oil/Gas/Brine
Cherry Canyon	5366	5366	Oil/Gas/Brine
Brushy Canyon	6562	6562	Losses
Bone Spring	8342	8342	Oil/Gas
Bone Spring 1st	9480	9480	Oil/Gas
Bone Spring 2nd	10019	10019	Oil/Gas
Bone Spring 3rd	11137	11137	Oil/Gas
Wolfcamp	11713	11619	Oil/Gas
Penn			Oil/Gas
Strawn			Oil/Gas

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

2. Casing Program

		MD		TVD					
Section	Hole Size (in)	From (ft)	To (ft)	From (ft)	To (ft)	Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
Surface	17.5	0	903	0	903	13.375	54.5	J-55	BTC
Intermediate	9.875	0	11029	0	11029	7.625	26.4	L-80 HC	BTC
Production	6.75	0	19790	0	11727	5.5	20	P-110	Sprint-SF

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

*Oxy requests the option to run the 10.75” Intermediate I as a contingency string to be run only if severe hole conditions dictate an additional casing string necessary. This would make the planned 7.625" / 7.827" Casing the Intermediate II.

**If 4S Contingency is not required, Oxy requests permission to transition from 12.25" to 9.875" Intermediate I at 1st trip point below Brushy top (estimated top in formation table above). Cement volumes will be updated on C103 submission.

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

	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?	Y
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500’ into previous casing?	Y
Is well located in R-111-Q and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100’ to 600’ below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program

Section	Stage	Slurry:	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	943	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	566	1.68	13.2	5%	6,812	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	1219	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	524	1.84	13.3	25%	10,529	Circulate	Class C+Ret.

Offline Cementing Request

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

Bradenhead CBL Request

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

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type		✓	Tested to:	Deepest TVD Depth (ft) per Section:
9.875" Hole	13-5/8"	5M	Annular		✓	70% of working pressure	11029
		5M	Blind Ram		✓	250 psi / 5000 psi	
			Pipe Ram				
			Double Ram		✓		
			Other*				
6.75" Hole	13-5/8"	5M	Annular		✓	100% of working pressure	11727
		10M	Blind Ram		✓	250 psi / 10000 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

5M Annular BOP Request

Per BLM’s Memorandum No. NM-2017-008: *Decision and Rationale for a Variance Allowing the Use of a 5M Annular Preventer with a 10M BOP Stack*, Oxy requests to employ a 5M annular with a 10M BOPE stack in the pilot and lateral sections of the well and will ensure that two barriers to flow are maintained at all times. Please see Annular BOP Variance attachment for further details.

	Formation integrity test will be performed per 43 CFR part 3170 Subpart 3172.	
	On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR part 3170 Subpart 3172.	
	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.	
	Y	Are anchors required by manufacturer?
	<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 requirements as per the agreement reached in the OXY/BLM meeting on September 5, 2019. Please see BOP Break Testing Variance attachment for further details.

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

5. Mud Program

Section	Depth - MD		Depth - TVD		Type	Weight (ppg)	Viscosity	Water Loss
	From (ft)	To (ft)	From (ft)	To (ft)				
Surface	0	903	0	903	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate	903	11029	903	11029	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Production	11029	19790	11029	11727	Water-Based or Oil-Based Mud	9.5 - 12.5	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,

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

6. Logging and Testing Procedures

Logging, Coring and Testing.		
Yes	Will run GR from TD to surface (horizontal well – vertical portion of hole).	
	Stated logs run will be in the Completion Report and submitted to the BLM.	
No	Logs are planned based on well control or offset log information.	
No	Drill stem test? If yes, explain	
No	Coring? If yes, explain	
Additional logs planned		Interval
No	Resistivity	
No	Density	
Yes	CBL	Production string
Yes	Mud log	Bone Spring – TD
No	PEX	

7. Drilling Conditions

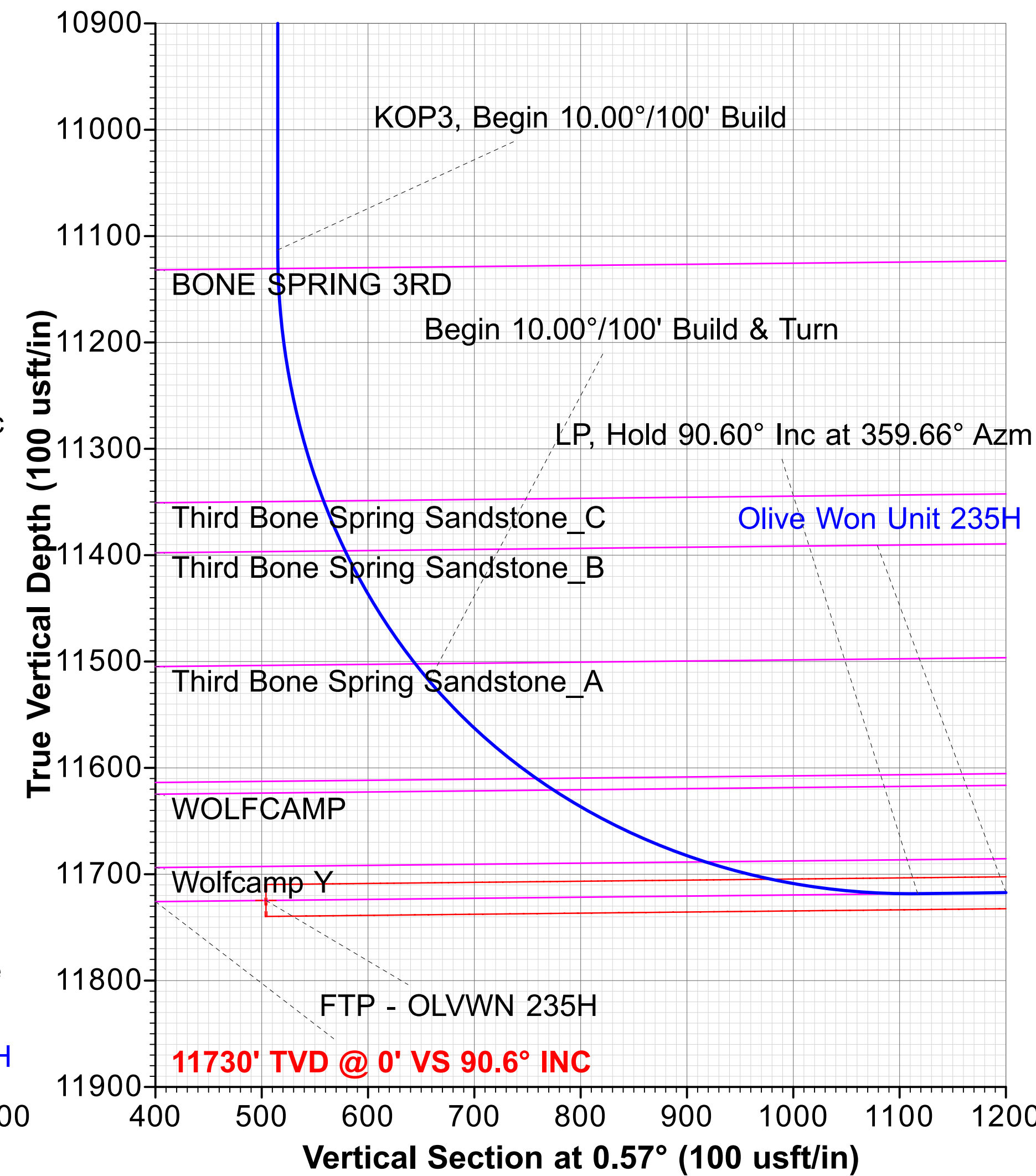
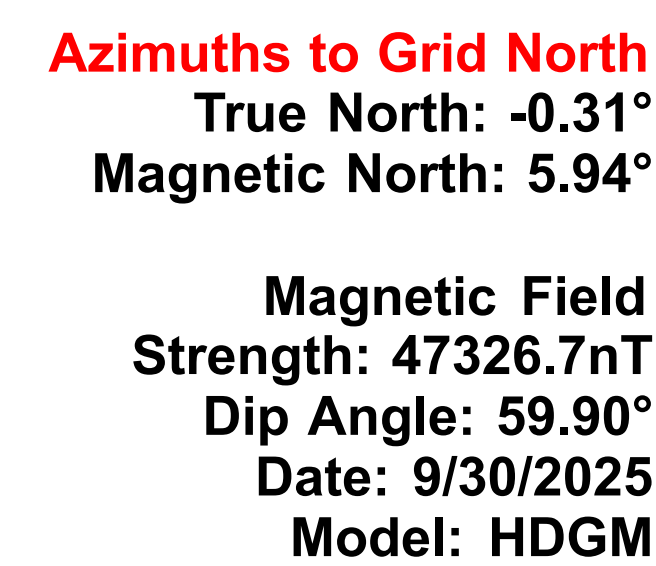
Condition	Specify what type and where?
BH Pressure at deepest TVD	7623 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	174°F

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

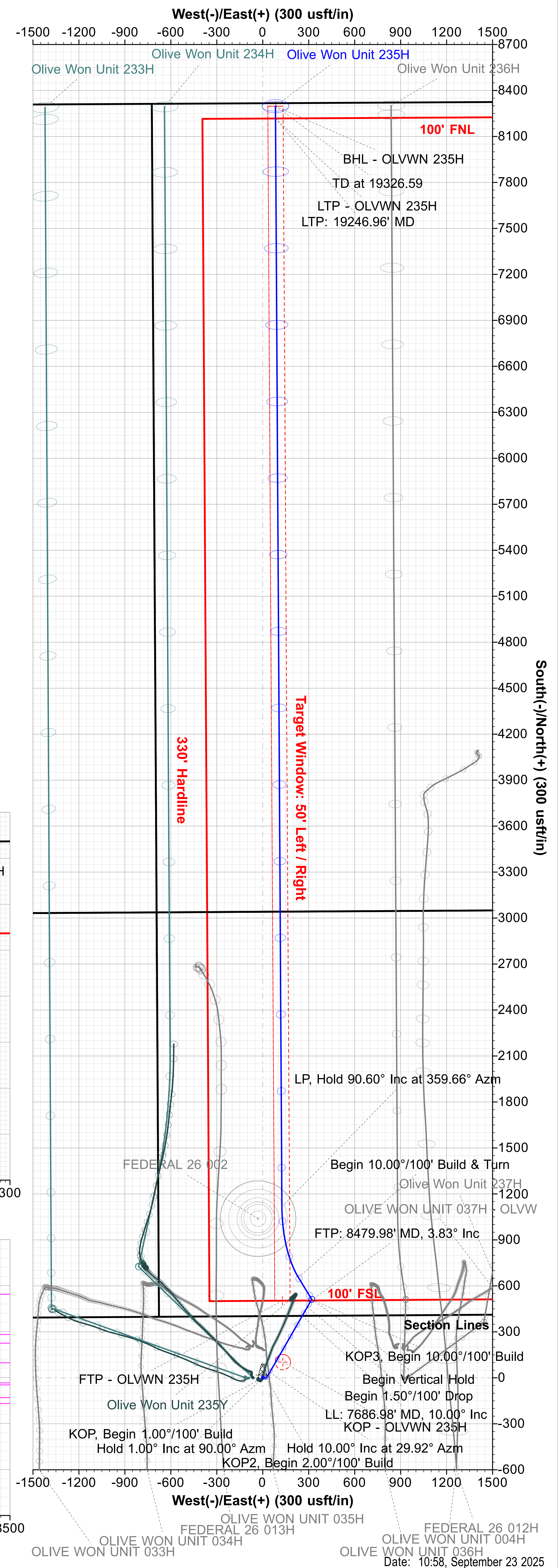
Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR part 3170 Subpart 3172. If Hydrogen Sulfide is encountered, measured values and formations will be 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 3 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: 1616 bbls		



FORMATION TOP DETAILS			Map System: US State Plane 1983		
TVDPath	MDPath	Formation	Datum: North American Datum 1983		
842.00	842.00	RUSTLER	Ellipsoid: GRS 1980		
1129.00	1129.00	SALADO	Zone Name: New Mexico Eastern Zone		
3032.00	3032.00	CASTILE	Local Origin: Well Olive Won Unit 235H, Grid North		
4434.00	4434.13	DELAWARE	Latitude: 32° 21' 40.994234 N		
4482.00	4482.14	BELL CANYON	Longitude: 103° 44' 47.100574 W		
5364.41	5369.12	CHERRY CANYON	Grid East: 722558.75		
6558.49	6581.62	BRUSHY CANYON	Grid North: 495701.27		
8335.75	8384.36	BONE SPRING	Scale Factor: 1.000		
9473.60	9522.70	BONE SPRING 1ST	Geomagnetic Model: HDGM		
9645.60	9694.70	Second Bone Spring Limestone	Sample Date: 30-Sep-25		
10012.60	10061.70	BONE SPRING 2ND	Magnetic Declination: 6.250°		
10367.60	10416.70	Second Bone Spring Lower Sandstone	Dip Angle from Horizontal: 59.900°		
10454.60	10503.70	Third Bone Spring Limestone	Magnetic Field Strength: 47326.70000000nT		
11130.60	11179.70	BONE SPRING 3RD			
11349.15	11405.50	Third Bone Spring Sandstone, C			
11395.94	11458.01	Third Bone Spring Sandstone, B			
11502.25	11590.02	Third Bone Spring Sandstone, A			
11610.06	11757.68	WOLFCAMP			
11620.89	11777.89	WOLFCAMP			
11688.39	11940.65	Wolfcamp Y			





OXY USA INC.

Eddy County, NM (NAD83-NME)

Olive Won Unit

Olive Won Unit 235H

OH

Plan: Plan 3 09-23-25

Standard Planning Report

23 September, 2025





Phoenix Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Olive Won Unit 235H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3539.00usft (Citadel 2)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3539.00usft (Citadel 2)
Site:	Olive Won Unit	North Reference:	Grid
Well:	Olive Won Unit 235H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3 09-23-25		

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

Site		Olive Won Unit			
Site Position:		Northing:	493,922.81 usft	Latitude:	32° 21' 23.058517 N
From:	Map	Easting:	728,672.75 usft	Longitude:	103° 43' 35.936962 W
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well	Olive Won Unit 235H					
Well Position	+N/-S	0.00 usft	Northing:	495,701.27 usft	Latitude:	32° 21' 40.994234 N
	+E/-W	0.00 usft	Easting:	722,558.75 usft	Longitude:	103° 44' 47.100574 W
Position Uncertainty		6.00 usft	Wellhead Elevation:	3,515.00 usft	Ground Level:	3,515.00 usft
Grid Convergence:		0.314 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/30/2025	6.250	59.900	47,326.70000000

Design	Plan 3 09-23-25				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.57	

Plan Survey Tool Program	Date	9/23/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	19,326.59	Plan 3 09-23-25 (OH)	SQC_C705Mb_MWD+IFR'	
				MWD+IFR1+Sag+FDIR	



Phoenix Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Olive Won Unit 235H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3539.00usft (Citadel 2)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3539.00usft (Citadel 2)
Site:	Olive Won Unit	North Reference:	Grid
Well:	Olive Won Unit 235H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3 09-23-25		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.000	
3,600.00	1.00	90.00	3,600.00	0.00	0.87	1.00	1.00	0.00	90.000	
4,763.18	1.00	90.00	4,763.00	0.00	21.17	0.00	0.00	0.00	0.000	
5,240.20	10.00	29.92	5,237.45	35.98	46.05	2.00	1.89	-12.59	-65.240	
8,068.83	10.00	29.92	8,023.11	461.70	291.05	0.00	0.00	0.00	0.000	
8,735.50	0.00	0.00	8,686.40	512.00	320.00	1.50	-1.50	0.00	180.000	
11,162.16	0.00	0.00	11,113.06	512.00	320.00	0.00	0.00	0.00	0.000	
11,612.16	45.00	328.61	11,518.20	655.25	232.58	10.00	10.00	0.00	328.606	
12,144.67	90.60	359.66	11,718.30	1,115.84	125.10	10.00	8.56	5.83	40.078	
19,326.59	90.60	359.66	11,643.10	8,297.24	83.03	0.00	0.00	0.00	0.000	BHL - OLVWN 235H



Phoenix Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Olive Won Unit 235H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3539.00usft (Citadel 2)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3539.00usft (Citadel 2)
Site:	Olive Won Unit	North Reference:	Grid
Well:	Olive Won Unit 235H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3 09-23-25		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 1.00°/100' Build									
3,600.00	1.00	90.00	3,600.00	0.00	0.87	0.01	1.00	1.00	0.00
Hold 1.00° Inc at 90.00° Azm									
3,700.00	1.00	90.00	3,699.98	0.00	2.62	0.03	0.00	0.00	0.00
3,800.00	1.00	90.00	3,799.96	0.00	4.36	0.04	0.00	0.00	0.00
3,900.00	1.00	90.00	3,899.95	0.00	6.11	0.06	0.00	0.00	0.00
4,000.00	1.00	90.00	3,999.93	0.00	7.85	0.08	0.00	0.00	0.00
4,100.00	1.00	90.00	4,099.92	0.00	9.60	0.10	0.00	0.00	0.00
4,200.00	1.00	90.00	4,199.90	0.00	11.34	0.11	0.00	0.00	0.00
4,300.00	1.00	90.00	4,299.89	0.00	13.09	0.13	0.00	0.00	0.00
4,400.00	1.00	90.00	4,399.87	0.00	14.83	0.15	0.00	0.00	0.00
4,500.00	1.00	90.00	4,499.86	0.00	16.58	0.17	0.00	0.00	0.00
4,600.00	1.00	90.00	4,599.84	0.00	18.33	0.18	0.00	0.00	0.00
4,700.00	1.00	90.00	4,699.83	0.00	20.07	0.20	0.00	0.00	0.00
4,763.18	1.00	90.00	4,763.00	0.00	21.17	0.21	0.00	0.00	0.00
KOP2, Begin 2.00°/100' Build									
4,800.00	1.47	62.93	4,799.81	0.21	21.91	0.43	2.00	1.27	-73.53
4,900.00	3.28	40.80	4,899.72	2.97	24.93	3.22	2.00	1.81	-22.12
5,000.00	5.23	34.73	4,999.44	8.88	29.40	9.18	2.00	1.95	-6.08
5,100.00	7.21	31.96	5,098.85	17.96	35.32	18.31	2.00	1.98	-2.77
5,200.00	9.20	30.38	5,197.82	30.18	42.69	30.61	2.00	1.99	-1.58
5,240.20	10.00	29.92	5,237.45	35.98	46.05	36.44	2.00	1.99	-1.14
Hold 10.00° Inc at 29.92° Azm									
5,300.00	10.00	29.92	5,296.35	44.98	51.23	45.49	0.00	0.00	0.00
5,400.00	10.00	29.92	5,394.83	60.03	59.89	60.63	0.00	0.00	0.00
5,500.00	10.00	29.92	5,493.31	75.08	68.55	75.76	0.00	0.00	0.00
5,600.00	10.00	29.92	5,591.79	90.13	77.22	90.90	0.00	0.00	0.00
5,700.00	10.00	29.92	5,690.27	105.18	85.88	106.04	0.00	0.00	0.00
5,800.00	10.00	29.92	5,788.75	120.23	94.54	121.17	0.00	0.00	0.00
5,900.00	10.00	29.92	5,887.23	135.28	103.20	136.31	0.00	0.00	0.00
6,000.00	10.00	29.92	5,985.71	150.33	111.86	151.45	0.00	0.00	0.00
6,100.00	10.00	29.92	6,084.19	165.38	120.52	166.58	0.00	0.00	0.00
6,200.00	10.00	29.92	6,182.67	180.44	129.19	181.72	0.00	0.00	0.00
6,300.00	10.00	29.92	6,281.15	195.49	137.85	196.86	0.00	0.00	0.00
6,400.00	10.00	29.92	6,379.63	210.54	146.51	211.99	0.00	0.00	0.00
6,500.00	10.00	29.92	6,478.12	225.59	155.17	227.13	0.00	0.00	0.00
6,600.00	10.00	29.92	6,576.60	240.64	163.83	242.26	0.00	0.00	0.00
6,700.00	10.00	29.92	6,675.08	255.69	172.49	257.40	0.00	0.00	0.00
6,800.00	10.00	29.92	6,773.56	270.74	181.15	272.54	0.00	0.00	0.00
6,900.00	10.00	29.92	6,872.04	285.79	189.82	287.67	0.00	0.00	0.00
7,000.00	10.00	29.92	6,970.52	300.84	198.48	302.81	0.00	0.00	0.00
7,100.00	10.00	29.92	7,069.00	315.89	207.14	317.95	0.00	0.00	0.00
7,200.00	10.00	29.92	7,167.48	330.94	215.80	333.08	0.00	0.00	0.00
7,300.00	10.00	29.92	7,265.96	345.99	224.46	348.22	0.00	0.00	0.00
7,400.00	10.00	29.92	7,364.44	361.04	233.12	363.36	0.00	0.00	0.00
7,500.00	10.00	29.92	7,462.92	376.09	241.79	378.49	0.00	0.00	0.00
7,600.00	10.00	29.92	7,561.40	391.14	250.45	393.63	0.00	0.00	0.00
7,686.98	10.00	29.92	7,647.07	404.23	257.98	406.80	0.00	0.00	0.00
LL: 7686.98' MD, 10.00° Inc									
7,700.00	10.00	29.92	7,659.88	406.19	259.11	408.77	0.00	0.00	0.00
7,800.00	10.00	29.92	7,758.37	421.24	267.77	423.90	0.00	0.00	0.00
7,900.00	10.00	29.92	7,856.85	436.29	276.43	439.04	0.00	0.00	0.00



Phoenix Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Olive Won Unit 235H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3539.00usft (Citadel 2)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3539.00usft (Citadel 2)
Site:	Olive Won Unit	North Reference:	Grid
Well:	Olive Won Unit 235H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3 09-23-25		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,000.00	10.00	29.92	7,955.33	451.34	285.09	454.17	0.00	0.00	0.00
8,068.83	10.00	29.92	8,023.11	461.70	291.05	464.59	0.00	0.00	0.00
Begin 1.50°/100' Drop									
8,100.00	9.53	29.92	8,053.83	466.29	293.69	469.20	1.50	-1.50	0.00
8,200.00	8.03	29.92	8,152.65	479.52	301.31	482.51	1.50	-1.50	0.00
8,300.00	6.53	29.92	8,251.84	490.51	307.63	493.56	1.50	-1.50	0.00
8,400.00	5.03	29.92	8,351.33	499.24	312.66	502.34	1.50	-1.50	0.00
8,479.98	3.83	29.92	8,431.08	504.60	315.74	507.73	1.50	-1.50	0.00
FTP: 8479.98' MD, 3.83° Inc									
8,500.00	3.53	29.92	8,451.05	505.71	316.38	508.85	1.50	-1.50	0.00
8,600.00	2.03	29.92	8,550.93	509.92	318.80	513.08	1.50	-1.50	0.00
8,700.00	0.53	29.92	8,650.90	511.86	319.92	515.03	1.50	-1.50	0.00
8,735.50	0.00	0.00	8,686.40	512.00	320.00	515.18	1.50	-1.50	0.00
Begin Vertical Hold									
8,800.00	0.00	0.00	8,750.90	512.00	320.00	515.18	0.00	0.00	0.00
8,900.00	0.00	0.00	8,850.90	512.00	320.00	515.18	0.00	0.00	0.00
9,000.00	0.00	0.00	8,950.90	512.00	320.00	515.18	0.00	0.00	0.00
9,100.00	0.00	0.00	9,050.90	512.00	320.00	515.18	0.00	0.00	0.00
9,200.00	0.00	0.00	9,150.90	512.00	320.00	515.18	0.00	0.00	0.00
9,300.00	0.00	0.00	9,250.90	512.00	320.00	515.18	0.00	0.00	0.00
9,400.00	0.00	0.00	9,350.90	512.00	320.00	515.18	0.00	0.00	0.00
9,500.00	0.00	0.00	9,450.90	512.00	320.00	515.18	0.00	0.00	0.00
9,600.00	0.00	0.00	9,550.90	512.00	320.00	515.18	0.00	0.00	0.00
9,700.00	0.00	0.00	9,650.90	512.00	320.00	515.18	0.00	0.00	0.00
9,800.00	0.00	0.00	9,750.90	512.00	320.00	515.18	0.00	0.00	0.00
9,900.00	0.00	0.00	9,850.90	512.00	320.00	515.18	0.00	0.00	0.00
10,000.00	0.00	0.00	9,950.90	512.00	320.00	515.18	0.00	0.00	0.00
10,100.00	0.00	0.00	10,050.90	512.00	320.00	515.18	0.00	0.00	0.00
10,200.00	0.00	0.00	10,150.90	512.00	320.00	515.18	0.00	0.00	0.00
10,300.00	0.00	0.00	10,250.90	512.00	320.00	515.18	0.00	0.00	0.00
10,400.00	0.00	0.00	10,350.90	512.00	320.00	515.18	0.00	0.00	0.00
10,500.00	0.00	0.00	10,450.90	512.00	320.00	515.18	0.00	0.00	0.00
10,600.00	0.00	0.00	10,550.90	512.00	320.00	515.18	0.00	0.00	0.00
10,700.00	0.00	0.00	10,650.90	512.00	320.00	515.18	0.00	0.00	0.00
10,800.00	0.00	0.00	10,750.90	512.00	320.00	515.18	0.00	0.00	0.00
10,900.00	0.00	0.00	10,850.90	512.00	320.00	515.18	0.00	0.00	0.00
11,000.00	0.00	0.00	10,950.90	512.00	320.00	515.18	0.00	0.00	0.00
11,100.00	0.00	0.00	11,050.90	512.00	320.00	515.18	0.00	0.00	0.00
11,162.16	0.00	0.00	11,113.06	512.00	320.00	515.18	0.00	0.00	0.00
KOP3, Begin 10.00°/100' Build									
11,200.00	3.78	328.61	11,150.87	513.07	319.35	516.24	10.00	10.00	0.00
11,300.00	13.78	328.61	11,249.58	526.09	311.40	529.18	10.00	10.00	0.00
11,400.00	23.78	328.61	11,344.13	553.54	294.65	556.46	10.00	10.00	0.00
11,500.00	33.78	328.61	11,431.66	594.59	269.60	597.26	10.00	10.00	0.00
11,600.00	43.78	328.61	11,509.51	647.99	237.01	650.33	10.00	10.00	0.00
11,612.16	45.00	328.61	11,518.20	655.25	232.58	657.54	10.00	10.00	0.00
Begin 10.00°/100' Build & Turn									
11,700.00	51.96	335.78	11,576.44	713.42	202.15	715.41	10.00	7.93	8.16
11,800.00	60.32	342.41	11,632.15	790.94	172.80	792.63	10.00	8.35	6.63
11,900.00	68.95	348.01	11,674.98	878.21	149.92	879.67	10.00	8.63	5.60
12,000.00	77.74	352.98	11,703.63	972.59	134.21	973.88	10.00	8.80	4.97
12,100.00	86.62	357.63	11,717.22	1,071.21	126.15	1,072.41	10.00	8.88	4.65
12,144.67	90.60	359.66	11,718.30	1,115.84	125.10	1,117.04	10.00	8.90	4.56



Phoenix Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Olive Won Unit 235H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3539.00usft (Citadel 2)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3539.00usft (Citadel 2)
Site:	Olive Won Unit	North Reference:	Grid
Well:	Olive Won Unit 235H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3 09-23-25		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LP, Hold 90.60° Inc at 359.66° Azm									
12,200.00	90.60	359.66	11,717.72	1,171.16	124.77	1,172.35	0.00	0.00	0.00
12,300.00	90.60	359.66	11,716.68	1,271.16	124.19	1,272.34	0.00	0.00	0.00
12,400.00	90.60	359.66	11,715.63	1,371.15	123.60	1,372.32	0.00	0.00	0.00
12,500.00	90.60	359.66	11,714.58	1,471.14	123.02	1,472.30	0.00	0.00	0.00
12,600.00	90.60	359.66	11,713.53	1,571.14	122.43	1,572.28	0.00	0.00	0.00
12,700.00	90.60	359.66	11,712.49	1,671.13	121.85	1,672.26	0.00	0.00	0.00
12,800.00	90.60	359.66	11,711.44	1,771.12	121.26	1,772.25	0.00	0.00	0.00
12,900.00	90.60	359.66	11,710.39	1,871.11	120.67	1,872.23	0.00	0.00	0.00
13,000.00	90.60	359.66	11,709.35	1,971.11	120.09	1,972.21	0.00	0.00	0.00
13,100.00	90.60	359.66	11,708.30	2,071.10	119.50	2,072.19	0.00	0.00	0.00
13,200.00	90.60	359.66	11,707.25	2,171.09	118.92	2,172.17	0.00	0.00	0.00
13,300.00	90.60	359.66	11,706.21	2,271.09	118.33	2,272.16	0.00	0.00	0.00
13,400.00	90.60	359.66	11,705.16	2,371.08	117.75	2,372.14	0.00	0.00	0.00
13,500.00	90.60	359.66	11,704.11	2,471.07	117.16	2,472.12	0.00	0.00	0.00
13,600.00	90.60	359.66	11,703.06	2,571.06	116.57	2,572.10	0.00	0.00	0.00
13,700.00	90.60	359.66	11,702.02	2,671.06	115.99	2,672.08	0.00	0.00	0.00
13,800.00	90.60	359.66	11,700.97	2,771.05	115.40	2,772.07	0.00	0.00	0.00
13,900.00	90.60	359.66	11,699.92	2,871.04	114.82	2,872.05	0.00	0.00	0.00
14,000.00	90.60	359.66	11,698.88	2,971.03	114.23	2,972.03	0.00	0.00	0.00
14,100.00	90.60	359.66	11,697.83	3,071.03	113.64	3,072.01	0.00	0.00	0.00
14,200.00	90.60	359.66	11,696.78	3,171.02	113.06	3,171.99	0.00	0.00	0.00
14,300.00	90.60	359.66	11,695.73	3,271.01	112.47	3,271.97	0.00	0.00	0.00
14,400.00	90.60	359.66	11,694.69	3,371.01	111.89	3,371.96	0.00	0.00	0.00
14,500.00	90.60	359.66	11,693.64	3,471.00	111.30	3,471.94	0.00	0.00	0.00
14,600.00	90.60	359.66	11,692.59	3,570.99	110.72	3,571.92	0.00	0.00	0.00
14,700.00	90.60	359.66	11,691.55	3,670.98	110.13	3,671.90	0.00	0.00	0.00
14,800.00	90.60	359.66	11,690.50	3,770.98	109.54	3,771.88	0.00	0.00	0.00
14,900.00	90.60	359.66	11,689.45	3,870.97	108.96	3,871.87	0.00	0.00	0.00
15,000.00	90.60	359.66	11,688.41	3,970.96	108.37	3,971.85	0.00	0.00	0.00
15,100.00	90.60	359.66	11,687.36	4,070.96	107.79	4,071.83	0.00	0.00	0.00
15,200.00	90.60	359.66	11,686.31	4,170.95	107.20	4,171.81	0.00	0.00	0.00
15,300.00	90.60	359.66	11,685.26	4,270.94	106.62	4,271.79	0.00	0.00	0.00
15,400.00	90.60	359.66	11,684.22	4,370.93	106.03	4,371.78	0.00	0.00	0.00
15,500.00	90.60	359.66	11,683.17	4,470.93	105.44	4,471.76	0.00	0.00	0.00
15,600.00	90.60	359.66	11,682.12	4,570.92	104.86	4,571.74	0.00	0.00	0.00
15,700.00	90.60	359.66	11,681.08	4,670.91	104.27	4,671.72	0.00	0.00	0.00
15,800.00	90.60	359.66	11,680.03	4,770.91	103.69	4,771.70	0.00	0.00	0.00
15,900.00	90.60	359.66	11,678.98	4,870.90	103.10	4,871.69	0.00	0.00	0.00
16,000.00	90.60	359.66	11,677.94	4,970.89	102.52	4,971.67	0.00	0.00	0.00
16,100.00	90.60	359.66	11,676.89	5,070.88	101.93	5,071.65	0.00	0.00	0.00
16,200.00	90.60	359.66	11,675.84	5,170.88	101.34	5,171.63	0.00	0.00	0.00
16,300.00	90.60	359.66	11,674.79	5,270.87	100.76	5,271.61	0.00	0.00	0.00
16,400.00	90.60	359.66	11,673.75	5,370.86	100.17	5,371.60	0.00	0.00	0.00
16,500.00	90.60	359.66	11,672.70	5,470.85	99.59	5,471.58	0.00	0.00	0.00
16,600.00	90.60	359.66	11,671.65	5,570.85	99.00	5,571.56	0.00	0.00	0.00
16,700.00	90.60	359.66	11,670.61	5,670.84	98.42	5,671.54	0.00	0.00	0.00
16,800.00	90.60	359.66	11,669.56	5,770.83	97.83	5,771.52	0.00	0.00	0.00
16,900.00	90.60	359.66	11,668.51	5,870.83	97.24	5,871.51	0.00	0.00	0.00
17,000.00	90.60	359.66	11,667.46	5,970.82	96.66	5,971.49	0.00	0.00	0.00
17,100.00	90.60	359.66	11,666.42	6,070.81	96.07	6,071.47	0.00	0.00	0.00
17,200.00	90.60	359.66	11,665.37	6,170.80	95.49	6,171.45	0.00	0.00	0.00
17,300.00	90.60	359.66	11,664.32	6,270.80	94.90	6,271.43	0.00	0.00	0.00
17,400.00	90.60	359.66	11,663.28	6,370.79	94.32	6,371.41	0.00	0.00	0.00



Phoenix Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Olive Won Unit 235H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3539.00usft (Citadel 2)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3539.00usft (Citadel 2)
Site:	Olive Won Unit	North Reference:	Grid
Well:	Olive Won Unit 235H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3 09-23-25		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.00	90.60	359.66	11,662.23	6,470.78	93.73	6,471.40	0.00	0.00	0.00
17,600.00	90.60	359.66	11,661.18	6,570.78	93.14	6,571.38	0.00	0.00	0.00
17,700.00	90.60	359.66	11,660.14	6,670.77	92.56	6,671.36	0.00	0.00	0.00
17,800.00	90.60	359.66	11,659.09	6,770.76	91.97	6,771.34	0.00	0.00	0.00
17,900.00	90.60	359.66	11,658.04	6,870.75	91.39	6,871.32	0.00	0.00	0.00
18,000.00	90.60	359.66	11,656.99	6,970.75	90.80	6,971.31	0.00	0.00	0.00
18,100.00	90.60	359.66	11,655.95	7,070.74	90.21	7,071.29	0.00	0.00	0.00
18,200.00	90.60	359.66	11,654.90	7,170.73	89.63	7,171.27	0.00	0.00	0.00
18,300.00	90.60	359.66	11,653.85	7,270.73	89.04	7,271.25	0.00	0.00	0.00
18,400.00	90.60	359.66	11,652.81	7,370.72	88.46	7,371.23	0.00	0.00	0.00
18,500.00	90.60	359.66	11,651.76	7,470.71	87.87	7,471.22	0.00	0.00	0.00
18,600.00	90.60	359.66	11,650.71	7,570.70	87.29	7,571.20	0.00	0.00	0.00
18,700.00	90.60	359.66	11,649.66	7,670.70	86.70	7,671.18	0.00	0.00	0.00
18,800.00	90.60	359.66	11,648.62	7,770.69	86.11	7,771.16	0.00	0.00	0.00
18,900.00	90.60	359.66	11,647.57	7,870.68	85.53	7,871.14	0.00	0.00	0.00
19,000.00	90.60	359.66	11,646.52	7,970.67	84.94	7,971.13	0.00	0.00	0.00
19,100.00	90.60	359.66	11,645.48	8,070.67	84.36	8,071.11	0.00	0.00	0.00
19,200.00	90.60	359.66	11,644.43	8,170.66	83.77	8,171.09	0.00	0.00	0.00
19,246.96	90.60	359.66	11,643.94	8,217.62	83.50	8,218.04	0.00	0.00	0.00
LTP: 19246.96' MD									
19,300.00	90.60	359.66	11,643.38	8,270.65	83.19	8,271.07	0.00	0.00	0.00
19,326.59	90.60	359.66	11,643.10	8,297.24	83.03	8,297.66	0.00	0.00	0.00
TD at 19326.59									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - OLVWN 235H - hit/miss target - Shape - plan hits target center - Rectangle (sides W100.00 H7,795.02 D30.00)	-0.60	359.66	11,643.10	8,297.24	83.03	503,998.51	722,641.78	32° 23' 3.093490 N	3° 44' 45.601594 W
LTP - OLVWN 235H - plan misses target center by 0.04usft at 19246.58usft MD (11643.94 TVD, 8217.24 N, 83.50 E) - Point	0.00	0.00	11,643.94	8,217.24	83.54	503,918.51	722,642.29	32° 23' 2.301839 N	3° 44' 45.600769 W
FTP - OLVWN 235H - plan misses target center by 266.43usft at 11684.25usft MD (11566.59 TVD, 702.26 N, 207.31 E) - Point	0.00	0.00	11,724.72	502.78	128.64	496,204.05	722,687.39	2° 21' 45.962424 N	3° 44' 45.568634 W
KOP - OLVWN 235H - plan misses target center by 590.16usft at 11513.70usft MD (11442.95 TVD, 601.20 N, 265.56 E) - Circle (radius 50.00)	0.00	0.00	11,728.91	102.63	131.64	495,803.90	722,690.39	2° 21' 42.002646 N	3° 44' 45.559257 W



Phoenix Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Olive Won Unit 235H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3539.00usft (Citadel 2)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3539.00usft (Citadel 2)
Site:	Olive Won Unit	North Reference:	Grid
Well:	Olive Won Unit 235H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3 09-23-25		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
842.00	842.00	RUSTLER		-0.600	0.57
1,129.00	1,129.00	SALADO		-0.600	0.57
3,032.00	3,032.00	CASTILE		-0.600	0.57
4,434.13	4,434.00	DELAWARE		-0.600	0.57
4,482.14	4,482.00	BELL CANYON		-0.600	0.57
5,369.12	5,364.41	CHERRY CANYON		-0.600	0.57
6,581.62	6,558.49	BRUSHY CANYON		-0.600	0.57
8,384.36	8,335.75	BONE SPRING		-0.600	0.57
9,522.70	9,473.61	BONE SPRING 1ST		-0.600	0.57
9,694.70	9,645.61	Second Bone Spring Limestone		-0.600	0.57
10,061.70	10,012.61	BONE SPRING 2ND		-0.600	0.57
10,416.70	10,367.61	Second Bone Spring Lower Sandstc		-0.600	0.57
10,503.70	10,454.61	Third Bone Spring Limestone		-0.600	0.57
11,179.70	11,130.60	BONE SPRING 3RD		-0.600	0.57
11,405.50	11,349.15	Third Bone Spring Sandstone_C		-0.600	0.57
11,458.01	11,395.94	Third Bone Spring Sandstone_B		-0.600	0.57
11,590.02	11,502.25	Third Bone Spring Sandstone_A		-0.600	0.57
11,757.68	11,610.06	WOLFCAMP		-0.600	0.57
11,777.89	11,620.89	WOLFCAMP		-0.600	0.57
11,940.65	11,688.39	Wolfcamp Y		-0.600	0.57

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,500.00	3,500.00	0.00	0.00	KOP, Begin 1.00°/100' Build
3,600.00	3,600.00	0.00	0.87	Hold 1.00° Inc at 90.00° Azm
4,763.18	4,763.00	0.00	21.17	KOP2, Begin 2.00°/100' Build
5,240.20	5,237.45	35.98	46.05	Hold 10.00° Inc at 29.92° Azm
7,686.98	7,647.07	404.23	257.98	LL: 7686.98' MD, 10.00° Inc
8,068.83	8,023.11	461.70	291.05	Begin 1.50°/100' Drop
8,479.98	8,431.08	504.60	315.74	FTP: 8479.98' MD, 3.83° Inc
8,735.50	8,686.40	512.00	320.00	Begin Vertical Hold
11,162.16	11,113.06	512.00	320.00	KOP3, Begin 10.00°/100' Build
11,612.16	11,518.20	655.25	232.58	Begin 10.00°/100' Build & Turn
12,144.67	11,718.30	1,115.84	125.10	LP, Hold 90.60° Inc at 359.66° Azm
19,246.96	11,643.94	8,217.62	83.50	LTP: 19246.96' MD
19,326.59	11,643.10	8,297.24	83.03	TD at 19326.59

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals, & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 PAGE 1 OF 2
		Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number 30-015-57294	Pool Code 98123	Pool Name WC-015 G-08 S233102C; WOLFCAMP
Property Code 336102	Property Name OLIVE WON UNIT	Well Number 235H
OGRID No. 16696	Operator Name OXY USA INC.	Ground Level Elevation 3515'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
J	26	22S	31E		2237' FSL	1962' FEL	32.36138729	-103.74641683	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
B	23	22S	31E		20' FNL	1830' FEL	32.38419262	-103.74600044	EDDY

Dedicated Acres 480.00	Infill or Defining Well INFILL	Defining Well API 30-015-56522	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers: N/A			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
J	26	22S	31E		2339' FSL	1830' FEL	32.36166741	-103.74598868	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
G	26	22S	31E		2539' FNL	1830' FEL	32.36276734	-103.74599128	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
B	23	22S	31E		100' FNL	1830' FEL	32.38397272	-103.74600022	EDDY

Unitized Area or Area of Uniform Interest Y	Spacing Unit Type: <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3515'
---	---	--

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Leslie T. Reeves 9/23/2025

Signature Date

LESLIE REEVES

Printed Name

LESLIE_REEVES@OXY.COM

Email Address

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



Signature and Seal of Professional Surveyor

Certificate Number

29049

Date of Survey

SEPTEMBER 22, 2025

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

ACREAGE DEDICATION PLATS

OLIVE WON UNIT 235H

PAGE 2 OF 2

BHL (NAD83)
X:722641.78' / Y:503998.51'
LAT:32.38419262 / LON:-103.74600044

BHL (NAD27)
X:681459.45' / Y:503938.09'
LAT:32.38407005 / LON:-103.74551125

LTP (NAD83)
X:722642.29' / Y:503918.51'
LAT:32.38397272 / LON:-103.74600022

LTP (NAD27)
X:681459.95' / Y:503858.10'
LAT:32.38385015 / LON:-103.74551105

PPP-1 (NAD83)
X:722672.55' / Y:498743.01'
LAT:32.36974639 / LON:-103.74599423

PPP-1 (NAD27)
X:681490.06' / Y:498682.73'
LAT:32.36962374 / LON:-103.74550563

FTP (NAD83)
X:722687.39' / Y:496204.05'
LAT:32.36276734 / LON:-103.74599128

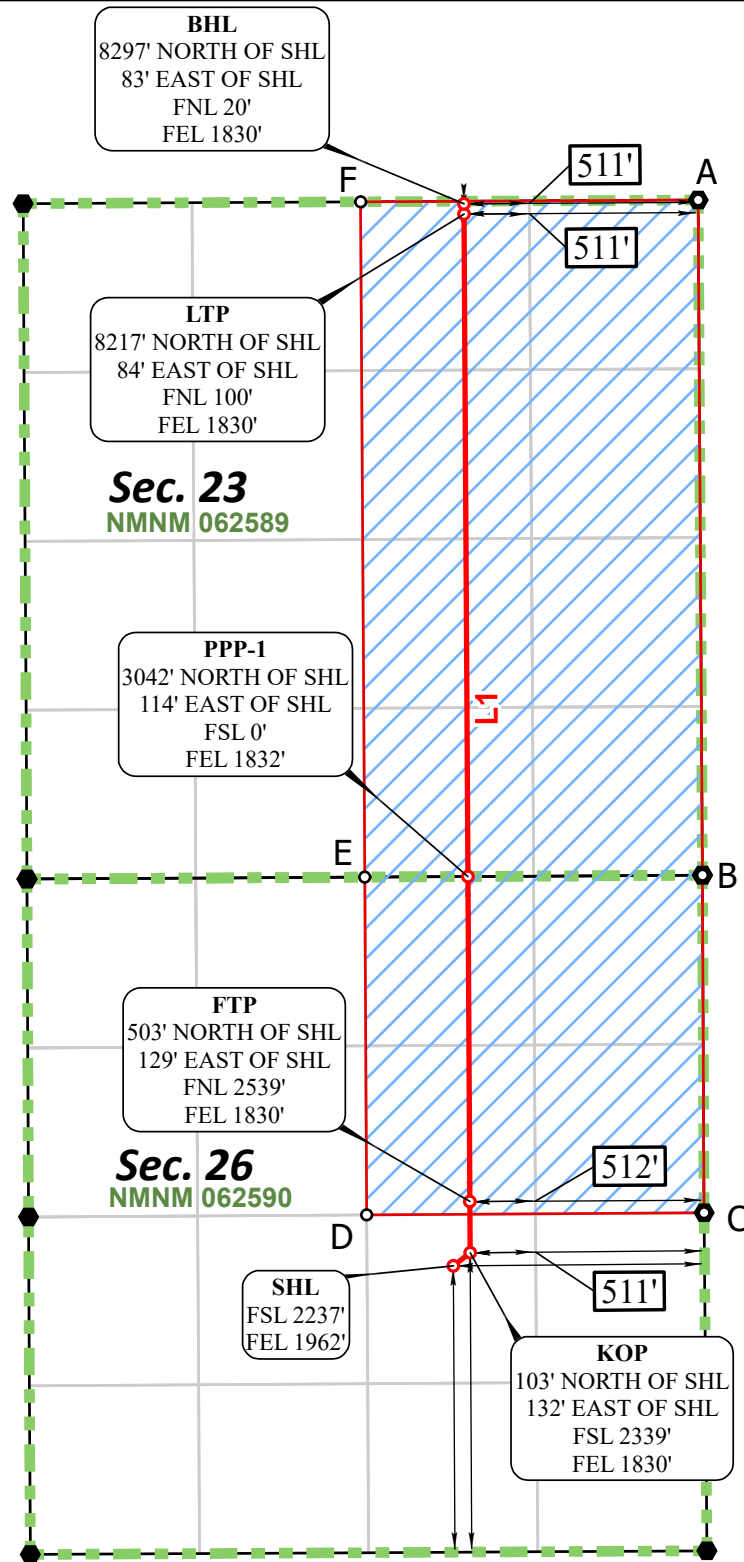
FTP (NAD27)
X:681504.83' / Y:496143.84'
LAT:32.36264465 / LON:-103.74550296

KOP (NAD83)
X:722690.39' / Y:495803.90'
LAT:32.36166741 / LON:-103.74598868

KOP (NAD27)
X:681507.81' / Y:495743.71'
LAT:32.36154472 / LON:-103.74550040

SHL (NAD83)
X:722558.75' / Y:495701.27'
LAT:32.36138729 / LON:-103.74641683

SHL (NAD27)
X:681376.17' / Y:495641.08'
LAT:32.36126459 / LON:-103.74592855



CORNER COORDINATES
NAD 83, SPCS NM EAST

A - X: 724471.63' / Y:504028.35'
B - X: 724504.95' / Y:498753.54'
C - X: 724517.84' / Y:496116.14'
D - X: 721881.57' / Y:496099.59'
E - X: 721866.30' / Y:498738.37'
F - X: 721834.60' / Y:504014.16'

CORNER COORDINATES
NAD 27, SPCS NM EAST

A - X: 683289.28' / Y:503967.93'
B - X: 683322.45' / Y:498693.27'
C - X: 683335.27' / Y:496055.94'
D - X: 680699.00' / Y:496039.39'
E - X: 680683.81' / Y:498678.10'
F - X: 680652.27' / Y:503953.75'

*FTP TO LTP LINE BEARINGS

LINE	BEARING
L1	N 00°20'06" W ~ 7714.59'

*FTP TO LTP LEASE DISTANCES

TRACT	DISTANCE
NMNM 062590	2539.00'
NMNM 062589	5175.59'
TOTAL	7714.59'



○ Drill Line Events ● Section Corners — Drill Line — Dimension Lines — Federal Leases — HSU ○ HSU Corners

All bearings and coordinates refer to New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet.

JOB No. 20251068_OW01_16122
REV 1 NDS 9/22/2025

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99978405 and a Convergence Angle: 0.31759444°

Form 3160-3
(October 2024)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 20275. Lease Serial No.
NMNM62590

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
OLIVE WON UNIT #235H9. API Well No.
30-015-10. Field and Pool, or Exploratory
WC-015 G-08 S233102C; WOLFCAMP11. Sec., T. R. M. or Blk. and Survey or Area
SEC 26/T22S/R31E/NMP12. County or Parish
EDDY13. State
NM1a. Type of work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other1c. Type of Completion: ☒ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone2. Name of Operator
OXY USA INCORPORATED3a. Address
5 GREENWAY PLAZA, SUITE 110, HOUSTON TX 770463b. Phone No. (include area code)
(713) 497-24924. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NWSE / 2237'FSL / 1962'FEL / LAT 32.36138729 / LONG -103.74641683
At proposed prod. zone NWNE / 20'FNL / 1830'FEL / LAT 32.38419262 / LONG -103.7460004414. Distance in miles and direction from nearest town or post office*
17 MILES15. Distance from proposed* location to nearest property or lease line, ft.
(Also to nearest drig. unit line, if any)
20 feet

16. No of acres in lease

17. Spacing Unit dedicated to this well
480.018. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
30 feet

19. Proposed Depth

20. BLM/BIA Bond No. in file
FED : NMB00150821. Elevations (Show whether DF, KDB, RT, GL, etc.)
3515 feet22. Approximate date work will start*
09/25/202523. Estimated duration
45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature
*Leslie T. Reeves*Name (Printed/Typed)
LESLIE REEVESDate
09/23/2025Title
REGULATORY MANAGER

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval 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.

Conditions of approval, if any, are attached.

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.

(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws 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, either are shown below or will be issued by, or may be obtained from local Federal offices. As of May 13, 2017, and pursuant to 43 CFR § 3171.5, operators must file this form and associated documents using the Bureau of Land Management's electronic commerce application, the Automated Fluid Minerals Support System (AFMSS). <https://afmss.blm.gov/afmss-gateway-ui/>

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been direction any drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

The Privacy Act of 1974 and 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., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM connects this information to an evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. 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 Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Form 3160-3
(October 2024)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 20275. Lease Serial No.
NMNM62590

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
OLIVE WON UNIT #235H9. API Well No.
30-015-10. Field and Pool, or Exploratory
WC-015 G-08 S233102C; WOLFCAMP11. Sec., T. R. M. or Blk. and Survey or Area
SEC 26/T22S/R31E/NMP12. County or Parish
EDDY13. State
NM1a. Type of work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other1c. Type of Completion: ☒ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone2. Name of Operator
OXY USA INCORPORATED3a. Address
5 GREENWAY PLAZA, SUITE 110, HOUSTON TX 770463b. Phone No. (include area code)
(713) 497-24924. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NWSE / 2237'FSL / 1962'FEL / LAT 32.36138729 / LONG -103.74641683
At proposed prod. zone NWNE / 20'FNL / 1830'FEL / LAT 32.38419262 / LONG -103.7460004414. Distance in miles and direction from nearest town or post office*
17 MILES15. Distance from proposed* location to nearest property or lease line, ft.
(Also to nearest drig. unit line, if any)
20 feet

16. No of acres in lease

17. Spacing Unit dedicated to this well
480.018. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
30 feet

19. Proposed Depth

20. BLM/BIA Bond No. in file
FED : NMB00150821. Elevations (Show whether DF, KDB, RT, GL, etc.)
3515 feet22. Approximate date work will start*
09/25/202523. Estimated duration
45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature *Leslie T. Reeves*Name (Printed/Typed)
LESLIE REEVESDate
09/23/2025Title
REGULATORY MANAGER

Approved by (Signature)

Name (Printed/Typed)

Date 9/25/2025

Title
Sup. PEOffice
CFO

Application approval 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.

Conditions of approval, if any, are attached.

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.

(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws 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, either are shown below or will be issued by, or may be obtained from local Federal offices. As of May 13, 2017, and pursuant to 43 CFR § 3171.5, operators must file this form and associated documents using the Bureau of Land Management's electronic commerce application, the Automated Fluid Minerals Support System (AFMSS). <https://afmss.blm.gov/afmss-gateway-ui/>

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been direction any drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

The Privacy Act of 1974 and 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., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM connects this information to an evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. 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 Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

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 509544

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 509544
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.	9/26/2025
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	9/26/2025

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

General Information
Phone: (505) 629-6116

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

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

COMMENTS

Action 543616

COMMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 543616
	Action Type: [IM-SD] Well File Support Doc (ENG) (IM-AWF)

COMMENTS

Created By	Comment	Comment Date
plmartinez	New well: 30-015-57294 OLIVE WON UNIT #235H	1/15/2026
plmartinez	Old well: 30-015-56521 OLIVE WON UNIT #235Y	1/15/2026

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 543616

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 543616
	Action Type: [IM-SD] Well File Support Doc (ENG) (IM-AWF)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	Prior Conditions of Approval still apply.	1/15/2026