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

Sundry Print Report

05/05/2025

Well Name: SORO CC 19_30 FEDERAL COM

Well Location: T24S / R29E / SEC 30 / SESW / 32.182285 / -104.0268502

County or Parish/State: EDDY / NM

Well Number: 12H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM107384

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: OXY USA INCORPORATED

Notice of Intent

Sundry ID: 2841365

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/12/2025

Time Sundry Submitted: 08:46

Date proposed operation will begin: 04/01/2025

Procedure Description: OXY USA Inc. respectfully requests approval to amend the subject well AAPD to change the drill plan. Please see the attached updated drill plan as well as the updated directional plan. The surface hole location will not change and there will be no new surface disturbance related to this sundry.

NOI Attachments

Procedure Description

SoroCC19_30FedCom12H_APDCHGSUNDRYWORKSHEET_20250312083559.pdf

SoroCC19_30FedCom12H_DrillPlan_20250312082323.pdf

SoroCC19_30FedCom12H_DirectPlan_20250312082312.pdf

Well Name: SORO CC 19_30 FEDERAL COM

Well Location: T24S / R29E / SEC 30 / SESW / 32.182285 / -104.0268502

County or Parish/State: EDDY / NM

Well Number: 12H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM107384

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: OXY USA INCORPORATED

Operator

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

Operator Electronic Signature: SARA GUTHRIE

Signed on: MAR 12, 2025 08:44 AM

Name: OXY USA INCORPORATED

Title: Regulatory Advisor

Street Address: 5 GREENWAY PLAZA SUITE 110

City: HOUSTON **State:** TX

Phone: (713) 497-2851

Email address: SARA_GUTHRIE@OXY.COM

Field

Representative Name: Michael Wilson

Street Address:

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

Phone: (575)631-6618

Email address: michael_wilson@oxy.com

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY

BLM POC Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved

Disposition Date: 05/05/2025

Signature: Keith Immatty

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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

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

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE 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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SESW / 415 FSL / 1654 FWL / TWSP: 24S / RANGE: 29E / SECTION: 30 / LAT: 32.182285 / LONG: -104.0268502 (TVD: 0 feet, MD: 0 feet)

PPP: SESW / 0 FNL / 1765 FWL / TWSP: 24S / RANGE: 29E / SECTION: 19 / LAT: 32.1957655 / LONG: -104.026386 (TVD: 7600 feet, MD: 12695 feet)

PPP: SENW / 2656 FNL / 1754 FWL / TWSP: 24S / RANGE: 29E / SECTION: 30 / LAT: 32.1884647 / LONG: -104.0263263 (TVD: 7613 feet, MD: 10039 feet)

PPP: SESW / 100 FSL / 1650 FWL / TWSP: 24S / RANGE: 29E / SECTION: 30 / LAT: 32.1814203 / LONG: -104.0268915 (TVD: 7623 feet, MD: 8002 feet)

BHL: NENW / 20 FNL / 1770 FWL / TWSP: 24S / RANGE: 29E / SECTION: 19 / LAT: 32.2103178 / LONG: -104.0265043 (TVD: 7574 feet, MD: 17989 feet)

OXY APD CHANGE SUNDRY LIST FORM

DATE SUNDRY WORKSHEET CREATED	3/11/2025
WELL NAME_NUMBER	SORO CC 19_30 FEDERAL COM 12H
API NUMBER	
ESTIMATED SPUD DATE	4/1/2025

AFMSS Blurb

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

	ITEM	APD BASE LINE (For Regulatory to Complete)	SUNDRY PLAN (Groups to complete the latest plan)
		Date APD/BASE LINE APPROVED:	DATE Sundry Worksheet :
Surface Planning	NAME	SORO CC 19_30 FEDERAL COM 12H	SORO CC 19_30 FEDERAL COM 12H
Surface Planning	NSL		
Surface Planning	SHL	415' FSL & 1654' FWL SESW	415' FSL & 1654' FWL SESW
Surface Planning	PAD	CEDCAN_T24SR29E_30_CDR_CYN_T24SR29E_30_1	CEDCAN_T24SR29E_30_CDR_CYN_T24SR29E_30_1
Surface Planning	BHL	20' FNL & 1770' FWL NENW	20' FNL & 1770' FWL NENW
Surface Planning	HSU SIZE, ACRES	320	320
Surface Planning	POOL	PIERCE CROSSING; BONE SPRING SOUTH	PIERCE CROSSING; BONE SPRING SOUTH
Surface Planning	TVD	7,574	7,576
Surface Planning	TARGET FORMATION	BONE SPRING SOUTH	BONE SPRING SOUTH

Drilling — CASING PROGRAM

	APD BASE LINE							SUNDRY PLAN							
Section	Hole Size (in.)	MD	TVD	Csg OD (in)	Csg WT (ppf)	Grade	Conn.	Section	Hole Size (in.)	MD	TVD	Csg OD (in)	Csg WT (ppf)	Grade	Conn.
Surface	14.75	368	368	10.75	45.5	J-55	BTC	Surface	14.75	368	368	10.75	45.5	J-55	BTC
Int	9.875	6819	6774	7.625	26.4	L-80 HC	BTC	Int	9.875	6979	6952	7.625	26.4	L-80 HC	BTC
Int2								Int2							
Prod	6.75	17990	7623	5.5	20	P-110	SPRINT-SF	Prod	6.75	17980	7625	5.5	20	P-110	DWC/C-HT-IS
Liner								Liner							

Drilling — CEMENT PROGRAM

	APD BASE LINE								SUNDRY PLAN							
Section/Stage	Slurry	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess	TOC	Placement	Description	Section/Stage	Slurry	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess	TOC	Placement	Description
Surf	SURFACE-TAIL	308	1.33	14.8	100%	0	CIRCULATE	CLASS C + ACCEL.	Surf	SURFACE-TAIL	308	1.33	14.8	100%	0	CIRCULATE	CLASS C + ACCEL.
Int/1	INTERMEDIATE 1S- TAIL	228	1.68	13.2	5%	5117	CIRCULATE	CLASS C + RET., DISPER.	Int	INTERMEDIATE 1S- TAIL	249	1.68	13.2	5%	5122	CIRCULATE	CLASS C + RET., DISPER.
Int/2	INTERMEDIATE 2S- TAIL BH	796	1.71	13.3	25%	0	BRADENHEAD	CLASS C+ ACCEL.	Int	INTERMEDIATE 2S- TAIL BH	797	1.71	13.3	25%	0	BRADENHEAD	CLASS C+ ACCEL.
Int2									Int2								
Int2									Int2								
Prod	PRODUCTION- TAIL	661	1.84	13.3	25%	6319	CIRCULATE	CLASS C+ RET.	Prod	PRODUCTION- TAIL	651	1.84	13.3	25%	6479	CIRCULATE	CLASS C+ RET.

Drilling — VARIANCES

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

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

VERSION DATE 8/30/2024

Oxy USA Inc. - Soro CC 19_30 Fed Com 12H
Drill Plan

1. Geologic Formations

TVD of Target (ft):	7625	Pilot Hole Depth (ft):	
Total Measured Depth (ft):	17980	Deepest Expected Fresh Water (ft):	98

Delaware Basin

Formation	MD-RKB (ft)	TVD-RKB (ft)	Expected Fluids
Rustler	98	98	
Salado	428	428	Salt
Castile	1160	1160	Salt
Delaware	2692	2692	Oil/Gas/Brine
Bell Canyon	2743	2743	Oil/Gas/Brine
Cherry Canyon	3632	3632	Oil/Gas/Brine
Brushy Canyon	4872	4867	Losses
Bone Spring	6478	6452	Oil/Gas
Bone Spring 1st	7444	7393	Oil/Gas
Bone Spring 2nd			Oil/Gas
Bone Spring 3rd			Oil/Gas
Wolfcamp			Oil/Gas
Penn			Oil/Gas
Strawn			Oil/Gas

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

2. Casing Program

		MD		TVD					
Section	Hole Size (in)	From (ft)	To (ft)	From (ft)	To (ft)	Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
Surface	14.75	0	368	0	368	10.75	45.5	J-55	BTC
Intermediate	9.875	0	6979	0	6952	7.625	26.4	L-80 HC	BTC
Production	6.75	0	17980	0	7625	5.5	20	P-110	DWC/C-HT-IS

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

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

Annular Clearance Variance Request

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

	Y or N
Is casing new? If used, attach certification as required in 43 CFR 3160	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-Q?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-Q and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	Y
If yes, are there two strings cemented to surface?	Y
(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	308	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	249	1.68	13.2	5%	5,122	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	797	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	651	1.84	13.3	25%	6,479	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	6952
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			
6.75" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	7625
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			

*Specify if additional ram is utilized

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

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

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

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	368	0	368	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate	368	6979	368	6952	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Production	6979	17980	6952	7625	Water-Based or Oil-Based Mud	8.0 - 9.6	38-50	N/C

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

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

6. Logging and Testing Procedures

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

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

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	3807 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	141°F

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

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

8. Other facets of operation

	Yes/No
Will the well be drilled with a walking/skidding operation? If yes, describe. We plan to drill the 5 well pad in batch by section: all surface sections, intermediate sections and production sections. The wellhead will be secured with a night cap whenever the rig is not over the well.	Yes
Will more than one drilling rig be used for drilling operations? If yes, describe. 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: 1191 bbls

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983)
Soro CC 19_30
Soro CC 19_30 Fed Com 12H

Wellbore #1

Plan: Permitting Plan

Standard Planning Report

03 March, 2025

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Soro CC 19_30 Fed Com 12H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 2931.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 2931.00ft
Site:	Soro CC 19_30	**North Reference:**	Grid
Well:	Soro CC 19_30 Fed Com 12H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Project PRD NM DIRECTIONAL PLANS (NAD 1983)

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

Site Soro CC 19_30

Site Position:		**Northing:**	430,196.66 usft	**Latitude:**	32.182317
From:	Map	**Easting:**	636,127.50 usft	**Longitude:**	-104.026940
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.200 in		

Well Soro CC 19_30 Fed Com 12H

Well Position	**+N/-S**	0.00 ft	**Northing:**	430,185.02 usf		**Latitude:**	32.182285
	+E/-W	0.00 ft	**Easting:**	636,155.34 usf		**Longitude:**	-104.026851
Position Uncertainty		1.79 ft	**Wellhead Elevation:**		ft	**Ground Level:**	2,906.00 ft
Grid Convergence:		0.16 °					

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	9/19/2023	6.57	59.77	47,443.30000000

Design Permitting Plan

Audit Notes:

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

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	0.44

Plan Survey Tool Program **Date** 3/3/2025

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,980.14	Permitting Plan (Wellbore #1)	B005Mc_MWD+HRGM+SA MWD+HRGM+Sag+MSA	

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Soro CC 19_30 Fed Com 12H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 2931.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 2931.00ft
Site:	Soro CC 19_30	**North Reference:**	Grid
Well:	Soro CC 19_30 Fed Com 12H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,880.00	0.00	0.00	3,880.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,879.67	10.00	182.06	4,874.61	-86.93	-3.13	1.00	1.00	0.00	182.06	
5,979.15	10.00	182.06	5,957.39	-277.67	-10.00	0.00	0.00	0.00	0.00	
6,978.82	0.00	0.00	6,952.00	-364.60	-13.13	1.00	-1.00	0.00	180.00	
7,078.82	0.00	0.00	7,052.00	-364.60	-13.13	0.00	0.00	0.00	0.00	
7,981.62	90.28	1.43	7,624.95	210.98	1.25	10.00	10.00	0.00	1.43	TP-1 (Soro CC
8,478.26	90.28	8.88	7,622.54	705.26	45.86	1.50	0.00	1.50	90.01	
8,924.36	90.28	8.88	7,620.39	1,146.00	114.73	0.00	0.00	0.00	0.00	
9,553.79	90.28	359.44	7,617.33	1,773.06	160.34	1.50	0.00	-1.50	-89.95	TP-2 (Soro CC
17,980.21	90.28	359.44	7,576.16	10,198.97	77.95	0.00	0.00	0.00	0.00	PBHL (Soro CC

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Soro CC 19_30 Fed Com 12H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 2931.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 2931.00ft
Site:	Soro CC 19_30	**North Reference:**	Grid
Well:	Soro CC 19_30 Fed Com 12H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,880.00	0.00	0.00	3,880.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 1°/100'									
3,900.00	0.20	182.06	3,900.00	-0.03	0.00	-0.03	1.00	1.00	0.00
4,000.00	1.20	182.06	3,999.99	-1.26	-0.05	-1.26	1.00	1.00	0.00
4,100.00	2.20	182.06	4,099.95	-4.22	-0.15	-4.22	1.00	1.00	0.00
4,200.00	3.20	182.06	4,199.83	-8.93	-0.32	-8.93	1.00	1.00	0.00
4,300.00	4.20	182.06	4,299.62	-15.38	-0.55	-15.38	1.00	1.00	0.00
4,400.00	5.20	182.06	4,399.29	-23.57	-0.85	-23.57	1.00	1.00	0.00
4,500.00	6.20	182.06	4,498.79	-33.49	-1.21	-33.50	1.00	1.00	0.00
4,600.00	7.20	182.06	4,598.11	-45.15	-1.63	-45.16	1.00	1.00	0.00
4,700.00	8.20	182.06	4,697.20	-58.54	-2.11	-58.55	1.00	1.00	0.00
4,800.00	9.20	182.06	4,796.05	-73.66	-2.65	-73.67	1.00	1.00	0.00
4,879.67	10.00	182.06	4,874.61	-86.93	-3.13	-86.95	1.00	1.00	0.00
Hold 10° Tangent									
4,900.00	10.00	182.06	4,894.63	-90.46	-3.26	-90.48	0.00	0.00	0.00
5,000.00	10.00	182.06	4,993.11	-107.81	-3.88	-107.83	0.00	0.00	0.00

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Soro CC 19_30 Fed Com 12H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 2931.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 2931.00ft
Site:	Soro CC 19_30	**North Reference:**	Grid
Well:	Soro CC 19_30 Fed Com 12H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.00	10.00	182.06	5,091.59	-125.15	-4.51	-125.18	0.00	0.00	0.00
5,200.00	10.00	182.06	5,190.07	-142.50	-5.13	-142.54	0.00	0.00	0.00
5,300.00	10.00	182.06	5,288.55	-159.85	-5.76	-159.89	0.00	0.00	0.00
5,400.00	10.00	182.06	5,387.04	-177.20	-6.38	-177.24	0.00	0.00	0.00
5,500.00	10.00	182.06	5,485.52	-194.55	-7.01	-194.59	0.00	0.00	0.00
5,600.00	10.00	182.06	5,584.00	-211.89	-7.63	-211.95	0.00	0.00	0.00
5,700.00	10.00	182.06	5,682.48	-229.24	-8.26	-229.30	0.00	0.00	0.00
5,800.00	10.00	182.06	5,780.96	-246.59	-8.88	-246.65	0.00	0.00	0.00
5,900.00	10.00	182.06	5,879.44	-263.94	-9.51	-264.00	0.00	0.00	0.00
5,979.15	10.00	182.06	5,957.39	-277.67	-10.00	-277.74	0.00	0.00	0.00
Drop 1°/100'									
6,000.00	9.79	182.06	5,977.93	-281.25	-10.13	-281.32	1.00	-1.00	0.00
6,100.00	8.79	182.06	6,076.62	-297.38	-10.71	-297.45	1.00	-1.00	0.00
6,200.00	7.79	182.06	6,175.58	-311.78	-11.23	-311.86	1.00	-1.00	0.00
6,300.00	6.79	182.06	6,274.77	-324.46	-11.69	-324.54	1.00	-1.00	0.00
6,400.00	5.79	182.06	6,374.16	-335.41	-12.08	-335.49	1.00	-1.00	0.00
6,500.00	4.79	182.06	6,473.74	-344.62	-12.41	-344.70	1.00	-1.00	0.00
6,600.00	3.79	182.06	6,573.45	-352.09	-12.68	-352.18	1.00	-1.00	0.00
6,700.00	2.79	182.06	6,673.29	-357.82	-12.89	-357.91	1.00	-1.00	0.00
6,800.00	1.79	182.06	6,773.21	-361.81	-13.03	-361.90	1.00	-1.00	0.00
6,900.00	0.79	182.06	6,873.18	-364.06	-13.11	-364.15	1.00	-1.00	0.00
6,978.82	0.00	0.00	6,952.00	-364.60	-13.13	-364.69	1.00	-1.00	0.00
Hold Vertical									
7,000.00	0.00	0.00	6,973.18	-364.60	-13.13	-364.69	0.00	0.00	0.00
7,078.82	0.00	0.00	7,052.00	-364.60	-13.13	-364.69	0.00	0.00	0.00
KOP, Build & Turn 10°/100'									
7,100.00	2.12	1.43	7,073.17	-364.21	-13.12	-364.30	10.00	10.00	0.00
7,200.00	12.12	1.43	7,172.28	-351.84	-12.81	-351.92	10.00	10.00	0.00
7,300.00	22.12	1.43	7,267.73	-322.45	-12.08	-322.53	10.00	10.00	0.00
7,400.00	32.12	1.43	7,356.62	-276.94	-10.94	-277.02	10.00	10.00	0.00
7,500.00	42.12	1.43	7,436.26	-216.69	-9.43	-216.76	10.00	10.00	0.00
7,600.00	52.12	1.43	7,504.22	-143.53	-7.61	-143.58	10.00	10.00	0.00
7,700.00	62.12	1.43	7,558.44	-59.68	-5.51	-59.72	10.00	10.00	0.00
7,800.00	72.12	1.43	7,597.28	32.30	-3.21	32.28	10.00	10.00	0.00
7,900.00	82.12	1.43	7,619.54	129.63	-0.78	129.62	10.00	10.00	0.00
7,981.62	90.28	1.43	7,624.95	210.98	1.25	210.98	10.00	10.00	0.00
Landing Point									
8,000.00	90.28	1.71	7,624.86	229.35	1.76	229.36	1.50	0.00	1.50
8,100.00	90.28	3.21	7,624.37	329.25	6.04	329.29	1.50	0.00	1.50
8,200.00	90.28	4.71	7,623.89	429.01	12.95	429.10	1.50	0.00	1.50
8,300.00	90.28	6.21	7,623.40	528.55	22.46	528.71	1.50	0.00	1.50
8,400.00	90.28	7.71	7,622.92	627.81	34.57	628.06	1.50	0.00	1.50
8,478.26	90.28	8.88	7,622.54	705.26	45.86	705.58	1.50	0.00	1.50
Hold									
8,500.00	90.28	8.88	7,622.43	726.73	49.21	727.09	0.00	0.00	0.00
8,600.00	90.28	8.88	7,621.95	825.53	64.65	826.00	0.00	0.00	0.00
8,700.00	90.28	8.88	7,621.47	924.33	80.09	924.92	0.00	0.00	0.00
8,800.00	90.28	8.88	7,620.99	1,023.13	95.53	1,023.83	0.00	0.00	0.00
8,900.00	90.28	8.88	7,620.51	1,121.93	110.97	1,122.75	0.00	0.00	0.00
8,924.36	90.28	8.88	7,620.39	1,146.00	114.73	1,146.84	0.00	0.00	0.00
Turn 1.5°/100'									
9,000.00	90.28	7.75	7,620.03	1,220.84	125.67	1,221.77	1.50	0.00	-1.50
9,100.00	90.28	6.25	7,619.54	1,320.09	137.85	1,321.11	1.50	0.00	-1.50
9,200.00	90.28	4.75	7,619.06	1,419.63	147.43	1,420.71	1.50	0.00	-1.50

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Soro CC 19_30 Fed Com 12H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 2931.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 2931.00ft
Site:	Soro CC 19_30	**North Reference:**	Grid
Well:	Soro CC 19_30 Fed Com 12H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,300.00	90.28	3.25	7,618.57	1,519.38	154.40	1,520.52	1.50	0.00	-1.50
9,400.00	90.28	1.75	7,618.08	1,619.28	158.75	1,620.45	1.50	0.00	-1.50
9,500.00	90.28	0.25	7,617.59	1,719.26	160.49	1,720.44	1.50	0.00	-1.50
9,553.79	90.28	359.44	7,617.33	1,773.06	160.34	1,774.23	1.50	0.00	-1.50
Hold									
9,600.00	90.28	359.44	7,617.10	1,819.26	159.89	1,820.43	0.00	0.00	0.00
9,700.00	90.28	359.44	7,616.62	1,919.25	158.91	1,920.41	0.00	0.00	0.00
9,800.00	90.28	359.44	7,616.13	2,019.25	157.94	2,020.40	0.00	0.00	0.00
9,900.00	90.28	359.44	7,615.64	2,119.24	156.96	2,120.38	0.00	0.00	0.00
10,000.00	90.28	359.44	7,615.15	2,219.24	155.98	2,220.36	0.00	0.00	0.00
10,029.77	90.28	359.44	7,615.00	2,249.00	155.69	2,250.13	0.00	0.00	0.00
PPP-1 Cross									
10,100.00	90.28	359.44	7,614.66	2,319.23	155.00	2,320.35	0.00	0.00	0.00
10,200.00	90.28	359.44	7,614.17	2,419.22	154.02	2,420.33	0.00	0.00	0.00
10,300.00	90.28	359.44	7,613.68	2,519.22	153.05	2,520.31	0.00	0.00	0.00
10,400.00	90.28	359.44	7,613.19	2,619.21	152.07	2,620.30	0.00	0.00	0.00
10,500.00	90.28	359.44	7,612.71	2,719.21	151.09	2,720.28	0.00	0.00	0.00
10,600.00	90.28	359.44	7,612.22	2,819.20	150.11	2,820.27	0.00	0.00	0.00
10,700.00	90.28	359.44	7,611.73	2,919.19	149.14	2,920.25	0.00	0.00	0.00
10,800.00	90.28	359.44	7,611.24	3,019.19	148.16	3,020.23	0.00	0.00	0.00
10,900.00	90.28	359.44	7,610.75	3,119.18	147.18	3,120.22	0.00	0.00	0.00
11,000.00	90.28	359.44	7,610.26	3,219.18	146.20	3,220.20	0.00	0.00	0.00
11,100.00	90.28	359.44	7,609.77	3,319.17	145.22	3,320.18	0.00	0.00	0.00
11,200.00	90.28	359.44	7,609.29	3,419.16	144.25	3,420.17	0.00	0.00	0.00
11,300.00	90.28	359.44	7,608.80	3,519.16	143.27	3,520.15	0.00	0.00	0.00
11,400.00	90.28	359.44	7,608.31	3,619.15	142.29	3,620.13	0.00	0.00	0.00
11,500.00	90.28	359.44	7,607.82	3,719.15	141.31	3,720.12	0.00	0.00	0.00
11,600.00	90.28	359.44	7,607.33	3,819.14	140.33	3,820.10	0.00	0.00	0.00
11,700.00	90.28	359.44	7,606.84	3,919.13	139.36	3,920.09	0.00	0.00	0.00
11,800.00	90.28	359.44	7,606.35	4,019.13	138.38	4,020.07	0.00	0.00	0.00
11,900.00	90.28	359.44	7,605.87	4,119.12	137.40	4,120.05	0.00	0.00	0.00
12,000.00	90.28	359.44	7,605.38	4,219.12	136.42	4,220.04	0.00	0.00	0.00
12,100.00	90.28	359.44	7,604.89	4,319.11	135.45	4,320.02	0.00	0.00	0.00
12,200.00	90.28	359.44	7,604.40	4,419.10	134.47	4,420.00	0.00	0.00	0.00
12,300.00	90.28	359.44	7,603.91	4,519.10	133.49	4,519.99	0.00	0.00	0.00
12,400.00	90.28	359.44	7,603.42	4,619.09	132.51	4,619.97	0.00	0.00	0.00
12,500.00	90.28	359.44	7,602.93	4,719.09	131.53	4,719.95	0.00	0.00	0.00
12,600.00	90.28	359.44	7,602.45	4,819.08	130.56	4,819.94	0.00	0.00	0.00
12,684.92	90.28	359.44	7,602.03	4,904.00	129.73	4,904.84	0.00	0.00	0.00
PPP-2 Cross									
12,700.00	90.28	359.44	7,601.96	4,919.07	129.58	4,919.92	0.00	0.00	0.00
12,800.00	90.28	359.44	7,601.47	5,019.07	128.60	5,019.91	0.00	0.00	0.00
12,900.00	90.28	359.44	7,600.98	5,119.06	127.62	5,119.89	0.00	0.00	0.00
13,000.00	90.28	359.44	7,600.49	5,219.06	126.64	5,219.87	0.00	0.00	0.00
13,100.00	90.28	359.44	7,600.00	5,319.05	125.67	5,319.86	0.00	0.00	0.00
13,200.00	90.28	359.44	7,599.51	5,419.04	124.69	5,419.84	0.00	0.00	0.00
13,300.00	90.28	359.44	7,599.03	5,519.04	123.71	5,519.82	0.00	0.00	0.00
13,400.00	90.28	359.44	7,598.54	5,619.03	122.73	5,619.81	0.00	0.00	0.00
13,500.00	90.28	359.44	7,598.05	5,719.03	121.76	5,719.79	0.00	0.00	0.00
13,600.00	90.28	359.44	7,597.56	5,819.02	120.78	5,819.77	0.00	0.00	0.00
13,700.00	90.28	359.44	7,597.07	5,919.02	119.80	5,919.76	0.00	0.00	0.00
13,800.00	90.28	359.44	7,596.58	6,019.01	118.82	6,019.74	0.00	0.00	0.00
13,900.00	90.28	359.44	7,596.09	6,119.00	117.84	6,119.73	0.00	0.00	0.00
14,000.00	90.28	359.44	7,595.60	6,219.00	116.87	6,219.71	0.00	0.00	0.00
14,100.00	90.28	359.44	7,595.12	6,318.99	115.89	6,319.69	0.00	0.00	0.00

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Soro CC 19_30 Fed Com 12H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 2931.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 2931.00ft
Site:	Soro CC 19_30	**North Reference:**	Grid
Well:	Soro CC 19_30 Fed Com 12H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,200.00	90.28	359.44	7,594.63	6,418.99	114.91	6,419.68	0.00	0.00	0.00
14,300.00	90.28	359.44	7,594.14	6,518.98	113.93	6,519.66	0.00	0.00	0.00
14,400.00	90.28	359.44	7,593.65	6,618.97	112.96	6,619.64	0.00	0.00	0.00
14,500.00	90.28	359.44	7,593.16	6,718.97	111.98	6,719.63	0.00	0.00	0.00
14,600.00	90.28	359.44	7,592.67	6,818.96	111.00	6,819.61	0.00	0.00	0.00
14,700.00	90.28	359.44	7,592.18	6,918.96	110.02	6,919.59	0.00	0.00	0.00
14,800.00	90.28	359.44	7,591.70	7,018.95	109.04	7,019.58	0.00	0.00	0.00
14,900.00	90.28	359.44	7,591.21	7,118.94	108.07	7,119.56	0.00	0.00	0.00
15,000.00	90.28	359.44	7,590.72	7,218.94	107.09	7,219.55	0.00	0.00	0.00
15,100.00	90.28	359.44	7,590.23	7,318.93	106.11	7,319.53	0.00	0.00	0.00
15,200.00	90.28	359.44	7,589.74	7,418.93	105.13	7,419.51	0.00	0.00	0.00
15,300.00	90.28	359.44	7,589.25	7,518.92	104.15	7,519.50	0.00	0.00	0.00
15,400.00	90.28	359.44	7,588.76	7,618.91	103.18	7,619.48	0.00	0.00	0.00
15,500.00	90.28	359.44	7,588.28	7,718.91	102.20	7,719.46	0.00	0.00	0.00
15,600.00	90.28	359.44	7,587.79	7,818.90	101.22	7,819.45	0.00	0.00	0.00
15,700.00	90.28	359.44	7,587.30	7,918.90	100.24	7,919.43	0.00	0.00	0.00
15,800.00	90.28	359.44	7,586.81	8,018.89	99.27	8,019.41	0.00	0.00	0.00
15,900.00	90.28	359.44	7,586.32	8,118.88	98.29	8,119.40	0.00	0.00	0.00
16,000.00	90.28	359.44	7,585.83	8,218.88	97.31	8,219.38	0.00	0.00	0.00
16,100.00	90.28	359.44	7,585.34	8,318.87	96.33	8,319.36	0.00	0.00	0.00
16,200.00	90.28	359.44	7,584.86	8,418.87	95.35	8,419.35	0.00	0.00	0.00
16,300.00	90.28	359.44	7,584.37	8,518.86	94.38	8,519.33	0.00	0.00	0.00
16,400.00	90.28	359.44	7,583.88	8,618.85	93.40	8,619.32	0.00	0.00	0.00
16,500.00	90.28	359.44	7,583.39	8,718.85	92.42	8,719.30	0.00	0.00	0.00
16,600.00	90.28	359.44	7,582.90	8,818.84	91.44	8,819.28	0.00	0.00	0.00
16,700.00	90.28	359.44	7,582.41	8,918.84	90.46	8,919.27	0.00	0.00	0.00
16,800.00	90.28	359.44	7,581.92	9,018.83	89.49	9,019.25	0.00	0.00	0.00
16,900.00	90.28	359.44	7,581.43	9,118.82	88.51	9,119.23	0.00	0.00	0.00
17,000.00	90.28	359.44	7,580.95	9,218.82	87.53	9,219.22	0.00	0.00	0.00
17,100.00	90.28	359.44	7,580.46	9,318.81	86.55	9,319.20	0.00	0.00	0.00
17,200.00	90.28	359.44	7,579.97	9,418.81	85.58	9,419.18	0.00	0.00	0.00
17,300.00	90.28	359.44	7,579.48	9,518.80	84.60	9,519.17	0.00	0.00	0.00
17,400.00	90.28	359.44	7,578.99	9,618.79	83.62	9,619.15	0.00	0.00	0.00
17,500.00	90.28	359.44	7,578.50	9,718.79	82.64	9,719.14	0.00	0.00	0.00
17,600.00	90.28	359.44	7,578.01	9,818.78	81.66	9,819.12	0.00	0.00	0.00
17,700.00	90.28	359.44	7,577.53	9,918.78	80.69	9,919.10	0.00	0.00	0.00
17,800.00	90.28	359.44	7,577.04	10,018.77	79.71	10,019.09	0.00	0.00	0.00
17,900.00	90.28	359.44	7,576.55	10,118.76	78.73	10,119.07	0.00	0.00	0.00
17,980.21	90.28	359.44	7,576.16	10,198.97	77.95	10,199.27	0.00	0.00	0.00
TD at 17980.21' MD									

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Soro CC 19_30 Fed Com 12H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 2931.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 2931.00ft
Site:	Soro CC 19_30	**North Reference:**	Grid
Well:	Soro CC 19_30 Fed Com 12H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Soro CC 19_30 - plan misses target center by 364.84ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-364.60	-13.13	429,820.45	636,142.21	32.181283	-104.026896
PBHL (Soro CC 19_30 - plan hits target center - Point	0.00	0.00	7,576.16	10,198.97	77.95	440,383.15	636,233.28	32.210318	-104.026505
TP-2 (Soro CC 19_30 - plan hits target center - Point	0.00	0.00	7,617.33	1,773.06	160.34	431,957.93	636,315.67	32.187157	-104.026316
TP-1 (Soro CC 19_30 - plan misses target center by 5.64ft at 8189.09ft MD (7623.94 TVD, 418.14 N, 12.07 E) - Point	0.00	0.00	7,623.95	418.52	6.44	430,603.51	636,161.78	32.183435	-104.026826
FTP (Soro CC 19_30 - plan misses target center by 204.69ft at 7558.47ft MD (7477.56 TVD, -175.34 N, -8.40 E) - Point	0.00	0.00	7,627.54	-314.60	-11.88	429,870.45	636,143.46	32.181420	-104.026892

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
98.00	98.00	RUSTLER			
428.00	428.00	SALADO			
1,160.00	1,160.00	CASTILE			
2,692.00	2,692.00	DELAWARE			
2,743.00	2,743.00	BELL CANYON			
3,632.00	3,632.00	CHERRY CANYON			
4,871.95	4,867.00	BRUSHY CANYON			
6,478.18	6,452.00	BONE SPRING			
7,444.06	7,393.00	BONE SPRING 1ST			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
3,880.00	3,880.00	0.00	0.00	Build 1°/100'
4,879.67	4,874.61	-86.93	-3.13	Hold 10° Tangent
5,979.15	5,957.39	-277.67	-10.00	Drop 1°/100'
6,978.82	6,952.00	-364.60	-13.13	Hold Vertical
7,078.82	7,052.00	-364.60	-13.13	KOP, Build & Turn 10°/100'
7,981.62	7,624.95	210.98	1.25	Landing Point
8,478.26	7,622.54	705.26	45.86	Hold
8,924.36	7,620.39	1,146.00	114.73	Turn 1.5°/100'
9,553.79	7,617.33	1,773.06	160.34	Hold
10,029.77	7,615.00	2,249.00	155.69	PPP-1 Cross
12,684.92	7,602.03	4,904.00	129.73	PPP-2 Cross
17,980.21	7,576.16	10,198.97	77.95	TD at 17980.21' MD

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

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 458586
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	6/9/2025
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing.	6/9/2025
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	6/9/2025