

Well Name: CORRAL BLUFF 11_14 FEDERAL COM	Well Location: T25S / R29E / SEC 2 / SWSW / 32.153547 / -103.961651	County or Parish/State: EDDY / NM
Well Number: 31H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM15303	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548021	Well Status: Drilling Well	Operator: OXY USA INCORPORATED

Notice of Intent

Sundry ID: 2746296

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 08/15/2023

Time Sundry Submitted: 03:05

Date proposed operation will begin: 08/15/2023

Procedure Description: OXY USA INC. PLANS TO SET A WHIPSTOCK AND DRILL A SIDETRACK WELLBORE. THE DIRECTIONAL PLAN, WELLBORE DIAGRAM, AND MIT CHART ARE ATTACHED.

NOI Attachments

Procedure Description

APD_Change_WS_Sub_8.15.23_20230815150415.pdf

Well Name: CORRAL BLUFF 11_14
FEDERAL COM

Well Location: T25S / R29E / SEC 2 /
SWSW / 32.153547 / -103.961651

County or Parish/State: EDDY /
NM

Well Number: 31H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM15303

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001548021

Well Status: Drilling Well

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: STEPHEN JANACEK

Signed on: AUG 15, 2023 03:05 PM

Name: OXY USA INCORPORATED

Title: Regulatory Engineer

Street Address: 5 Greenway Plaza, Suite 110

City: Houston State: TX

Phone: (713) 497-2417

Email address: stephen_janacek@oxy.com

Field

Representative Name:

Street Address:

City: State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY

BLM POC Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Accepted

Disposition Date: 10/24/2023

Signature: Keith Immatty

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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 TRIPPLICATE - Other instructions on page 2***

1. Type of Well

 Oil Well Gas Well Other

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

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				
<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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<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"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

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

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

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

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

Additional Information

Location of Well

0. SHL: SWSW / 575 FSL / 645 FWL / TWSP: 25S / RANGE: 29E / SECTION: 2 / LAT: 32.153547 / LONG: -103.961651 (TVD: 0 feet, MD: 0 feet)
PPP: NWNW / 100 FNL / 380 FWL / TWSP: 25S / RANGE: 29E / SECTION: 11 / LAT: 32.151691 / LONG: -103.962513 (TVD: 10331 feet, MD: 10680 feet)
PPP: NWNW / 2 FSL / 384 FWL / TWSP: 25S / RANGE: 29E / SECTION: 14 / LAT: 32.137371 / LONG: -103.96251 (TVD: 10334 feet, MD: 15897 feet)
BHL: SWSW / 20 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 14 / LAT: 32.122825 / LONG: -103.962506 (TVD: 10336 feet, MD: 21188 feet)

Archived: Tuesday, August 15, 2023 2:59:42 PM

From: [Hoffman, Toby J](#)

To: kimmatty@blm.gov

Subject: 7 5/8" Parted Casing Information - OXY USA - Corral Bluff 11_14 Federal Com 31H

Importance: Normal

Sensitivity: None

Attachments:

7.625in Casing Pressure Test Chart_Corral Bluff 31H.jpeg

Hi Keith,

As per our discussions yesterday, here's the details below and required information for the planned sidetrack due to the parted 7 5/8" casing string:

Well Name: Corral Bluff 11_14 Federal Com 31H

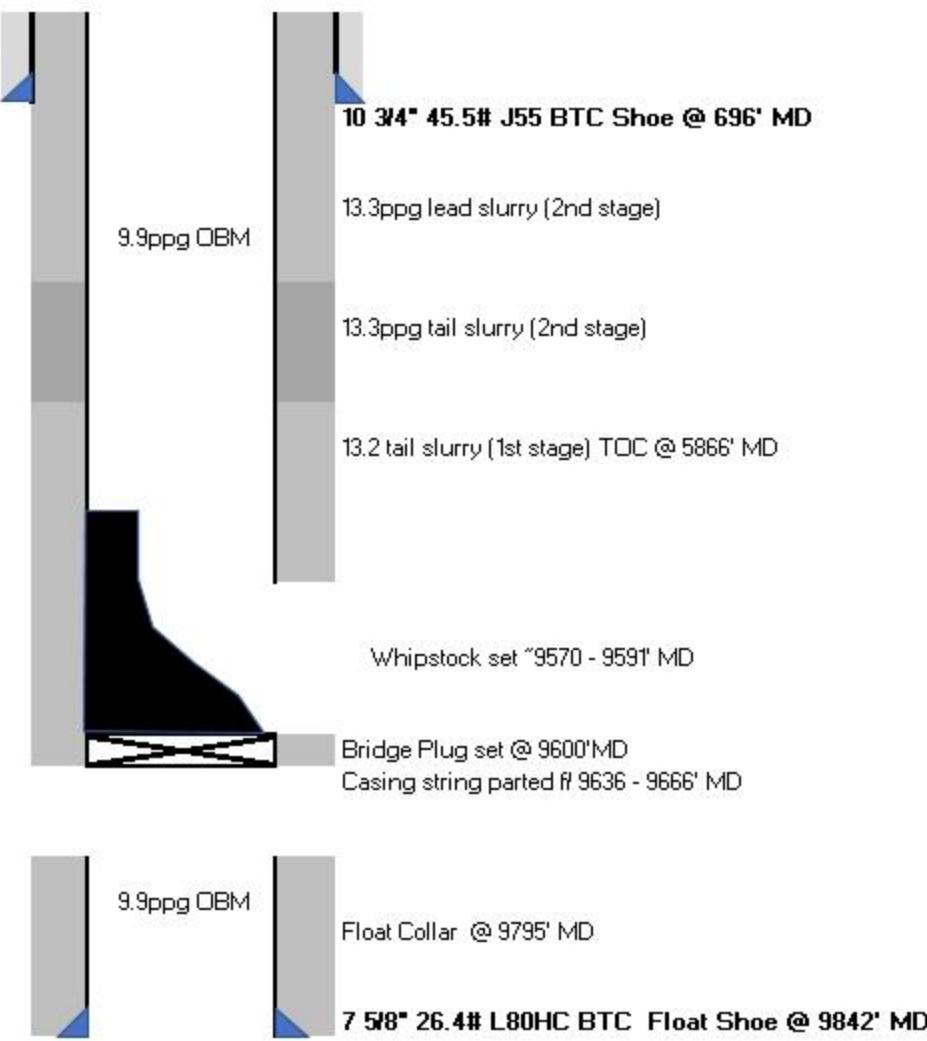
API #: 30-015-48021

County: Eddy

Operator: Oxy USA

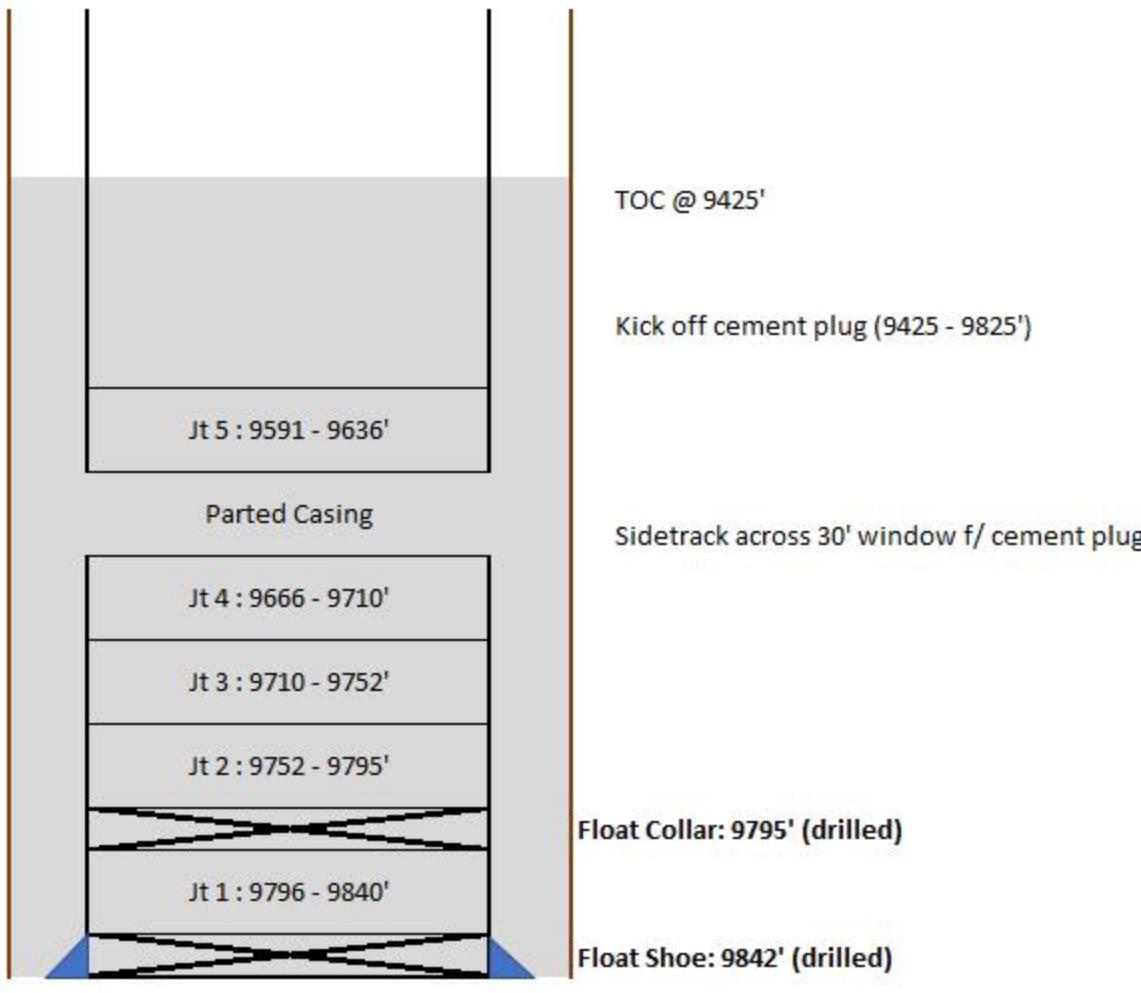
Please note I have attached a copy of the test chart for the 7 5/8" intermediate casing as it was pressure tested prior to 2500 psi prior to drilling out the float collar. We also waited a total of 8.5 hrs from the time the 2nd stage cement job was completed. (2nd stage job completed – 7/23/23 @ 17:30hrs & Pressure test – 7/24/23 @ 2:00 hrs)

I've provided below a screenshot of the whipstock option which would have a cast iron bridge plug set below the whipstock at 9600 ft MD. The bridge plug would be tested to 500 psi prior to running in hole with the whipstock.



Option 2 involves setting a 700' balanced cement plug from 9825' MD across the parted casing interval up to 9425' MD. This 400' plug assumes an annular volume that includes the ID of the 7 5/8" casing, the 30' annulus of parted casing (9 7/8" hole) and 370' of 9 7/8" x 7 5/8" annulus. Total cement volume would be 67bbls of 17.0ppg class H (equivalent to 379 sks). We would then conduct an open hole sidetrack off the cement plug across the parted casing gap.

Parted Casing: Actual Casing Depths



Please advise if you have any questions, comments, or require additional information.

Regards,

Toby Hoffman
Occidental Oil & Gas, Inc.
Drilling Engineering Advisor – Delaware Basin
Cell: 281-725-3737
toby_hoffman@oxy.com



OXY USA INC.

Eddy County, NM (NAD83-NME)
Corral Bluff 11_14
Corral Bluff 11_14 Fed Com 31H

ST01 / 72656

Plan: Plan 8 08-07-23

Standard Planning Report

07 August, 2023





Phoenix

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Corral Bluff 11_14 Fed Com 31H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3062.30usft (H&P 266)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3062.30usft (H&P 266)
Site:	Corral Bluff 11_14	North Reference:	Grid
Well:	Corral Bluff 11_14 Fed Com 31H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01 / 72656		
Design:	Plan 8 08-07-23		

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	Corral Bluff 11_14				
Site Position:		Northing:	419,794.04 usft	Latitude:	32° 9' 12.767026 N
From:	Map	Easting:	656,362.46 usft	Longitude:	103° 57' 41.944260 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Corral Bluff 11_14 Fed Com 31H				
Well Position	+N/-S	0.00 usft	Northing:	419,794.04 usft	Latitude:
	+E/-W	0.00 usft	Easting:	656,362.46 usft	Longitude:
Position Uncertainty		2.00 usft	Wellhead Elevation:	usft	Ground Level:
Grid Convergence:		0.198 °			3,037.30 usft

Wellbore	ST01 / 72656				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	2023-07-05	6.583	59.762	47,503.5000000

Design	Plan 8 08-07-23									
Audit Notes:										
Version:										
	Phase:	PLAN	Tie On Depth:	9,345.00						
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)						
	0.00	0.00	0.00	181.42						

Plan Survey Tool Program	Date	2023-08-07			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1 9,345.00	21,026.04	Plan 8 08-07-23 (ST01 / 72656)	SQC_C705a_MWD+IFR1+SA OWSG MWD + IFR1 + Sag + F		



Phoenix

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Corral Bluff 11_14 Fed Com 31H
Company:	OXY USA INC.	TVD Reference:	RKB @ 3062.30usft (H&P 266)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3062.30usft (H&P 266)
Site:	Corral Bluff 11_14	North Reference:	Grid
Well:	Corral Bluff 11_14 Fed Com 31H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01 / 72656		
Design:	Plan 8 08-07-23		

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
9,345.00	2.48	136.93	9,306.21	-293.53	-307.86	0.00	0.00	0.00	0.000	
9,390.00	2.41	139.23	9,351.17	-294.96	-306.58	0.27	-0.16	5.11	126.650	
9,400.00	3.77	180.00	9,361.15	-295.45	-306.44	25.00	13.58	407.73	79.740	
9,491.05	6.50	180.00	9,451.83	-303.59	-306.44	3.00	3.00	0.00	-0.008	
9,597.08	6.50	180.00	9,557.18	-315.60	-306.44	0.00	0.00	0.00	0.000	
9,813.75	0.00	0.00	9,773.38	-327.87	-306.44	3.00	-3.00	0.00	180.000	
10,813.75	90.00	180.65	10,410.00	-964.45	-313.66	9.00	9.00	0.00	180.650	
10,856.88	90.00	179.79	10,410.00	-1,007.58	-313.83	2.00	0.00	-2.00	-89.998	
21,026.04	90.00	179.79	10,410.00	-11,176.67	-276.11	0.00	0.00	0.00	0.000	BHLv3 - CB 11_14 31

Database: Company: Project: Site: Well: Wellbore: Design:	USAEDMDB OXY USA INC. Eddy County, NM (NAD83-NME) Corral Bluff 11_14 Corral Bluff 11_14 Fed Com 31H ST01 / 72656 Plan 8 08-07-23	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well Corral Bluff 11_14 Fed Com 31H RKB @ 3062.30usft (H&P 266) RKB @ 3062.30usft (H&P 266) Grid Minimum Curvature
--	--	--	--

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)	
9,345.00	2.48	136.93	9,306.21	-293.53	-307.86	301.07	0.00	0.00	0.00	
Tie In to OH										
9,390.00	2.41	139.23	9,351.17	-294.96	-306.58	302.47	0.27	-0.16	5.11	
Top Of WS										
9,400.00	3.77	180.00	9,361.15	-295.45	-306.44	302.95	25.00	13.58	407.73	
Exit WS, Begin 3.00°/100' Build										
9,491.05	6.50	180.00	9,451.83	-303.59	-306.44	311.10	3.00	3.00	0.00	
Hold 6.50° Inc at 180.00° Azm										
9,500.00	6.50	180.00	9,460.72	-304.61	-306.44	312.11	0.00	0.00	0.00	
9,597.08	6.50	180.00	9,557.18	-315.60	-306.44	323.09	0.00	0.00	0.00	
Begin 3.00°/100' Drop										
9,600.00	6.41	180.00	9,560.08	-315.93	-306.44	323.42	3.00	-3.00	0.00	
9,700.00	3.41	180.00	9,659.70	-324.49	-306.44	331.98	3.00	-3.00	0.00	
9,800.00	0.41	180.00	9,759.63	-327.83	-306.44	335.32	3.00	-3.00	0.00	
9,813.75	0.00	0.00	9,773.38	-327.87	-306.44	335.37	3.00	-3.00	0.00	
KOP, Begin 9.00°/100' Build										
9,881.80	6.12	180.65	9,841.30	-331.51	-306.48	339.00	9.00	9.00	0.00	
BONE SPRING 3RD										
9,900.00	7.76	180.65	9,859.37	-333.71	-306.51	341.20	9.00	9.00	0.00	
10,000.00	16.76	180.65	9,956.99	-354.92	-306.75	362.42	9.00	9.00	0.00	
10,100.00	25.76	180.65	10,050.09	-391.15	-307.16	398.64	9.00	9.00	0.00	
10,172.33	32.27	180.65	10,113.30	-426.21	-307.55	433.70	9.00	9.00	0.00	
WOLFCAMP										
10,200.00	34.76	180.65	10,136.37	-441.49	-307.73	448.98	9.00	9.00	0.00	
10,300.00	43.76	180.65	10,213.72	-504.71	-308.45	512.20	9.00	9.00	0.00	
10,365.02	49.61	180.65	10,258.30	-552.00	-308.98	559.48	9.00	9.00	0.00	
WOLFCAMP A										
10,395.33	52.34	180.65	10,277.38	-575.54	-309.25	583.03	9.00	9.00	0.00	
SL: 10395.33'MD, 52.34°Inc										
10,400.00	52.76	180.65	10,280.22	-579.25	-309.29	586.73	9.00	9.00	0.00	
10,500.00	61.76	180.65	10,334.24	-663.27	-310.24	670.76	9.00	9.00	0.00	
10,513.85	63.01	180.65	10,340.66	-675.54	-310.38	683.03	9.00	9.00	0.00	
FTP: 10550.00' MD, 63.01°Inc										
10,600.00	70.76	180.65	10,374.46	-754.71	-311.28	762.19	9.00	9.00	0.00	
10,700.00	79.76	180.65	10,399.87	-851.32	-312.38	858.79	9.00	9.00	0.00	
10,800.00	88.76	180.65	10,409.86	-950.71	-313.51	958.18	9.00	9.00	0.00	
10,813.75	90.00	180.65	10,410.00	-964.45	-313.66	971.93	9.00	9.00	0.00	
LP, Hold 90.00° Inc, Begin 2.00°/100' Turn										
10,856.88	90.00	179.79	10,410.00	-1,007.58	-313.83	1,015.05	2.00	0.00	-2.00	
Hold 179.79° Azm										
10,900.00	90.00	179.79	10,410.00	-1,050.70	-313.67	1,058.15	0.00	0.00	0.00	
11,000.00	90.00	179.79	10,410.00	-1,150.70	-313.30	1,158.11	0.00	0.00	0.00	
11,100.00	90.00	179.79	10,410.00	-1,250.70	-312.92	1,258.07	0.00	0.00	0.00	
11,200.00	90.00	179.79	10,410.00	-1,350.70	-312.55	1,358.03	0.00	0.00	0.00	
11,300.00	90.00	179.79	10,410.00	-1,450.70	-312.18	1,457.99	0.00	0.00	0.00	
11,400.00	90.00	179.79	10,410.00	-1,550.70	-311.81	1,557.95	0.00	0.00	0.00	
11,500.00	90.00	179.79	10,410.00	-1,650.70	-311.44	1,657.91	0.00	0.00	0.00	
11,600.00	90.00	179.79	10,410.00	-1,750.70	-311.07	1,757.87	0.00	0.00	0.00	
11,700.00	90.00	179.79	10,410.00	-1,850.70	-310.70	1,857.83	0.00	0.00	0.00	
11,800.00	90.00	179.79	10,410.00	-1,950.70	-310.33	1,957.79	0.00	0.00	0.00	
11,900.00	90.00	179.79	10,410.00	-2,050.70	-309.96	2,057.75	0.00	0.00	0.00	
12,000.00	90.00	179.79	10,410.00	-2,150.69	-309.59	2,157.71	0.00	0.00	0.00	
12,100.00	90.00	179.79	10,410.00	-2,250.69	-309.22	2,257.67	0.00	0.00	0.00	



Phoenix

Planning Report



Database: Company: Project: Site: Well: Wellbore: Design:	USAEDMDB OXY USA INC. Eddy County, NM (NAD83-NME) Corral Bluff 11_14 Corral Bluff 11_14 Fed Com 31H ST01 / 72656 Plan 8 08-07-23	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well Corral Bluff 11_14 Fed Com 31H RKB @ 3062.30usft (H&P 266) RKB @ 3062.30usft (H&P 266) Grid Minimum Curvature
--	--	--	--

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)	
12,200.00	90.00	179.79	10,410.00	-2,350.69	-308.84	2,357.63	0.00	0.00	0.00	
12,300.00	90.00	179.79	10,410.00	-2,450.69	-308.47	2,457.58	0.00	0.00	0.00	
12,400.00	90.00	179.79	10,410.00	-2,550.69	-308.10	2,557.54	0.00	0.00	0.00	
12,500.00	90.00	179.79	10,410.00	-2,650.69	-307.73	2,657.50	0.00	0.00	0.00	
12,600.00	90.00	179.79	10,410.00	-2,750.69	-307.36	2,757.46	0.00	0.00	0.00	
12,700.00	90.00	179.79	10,410.00	-2,850.69	-306.99	2,857.42	0.00	0.00	0.00	
12,800.00	90.00	179.79	10,410.00	-2,950.69	-306.62	2,957.38	0.00	0.00	0.00	
12,900.00	90.00	179.79	10,410.00	-3,050.69	-306.25	3,057.34	0.00	0.00	0.00	
13,000.00	90.00	179.79	10,410.00	-3,150.69	-305.88	3,157.30	0.00	0.00	0.00	
13,100.00	90.00	179.79	10,410.00	-3,250.69	-305.51	3,257.26	0.00	0.00	0.00	
13,200.00	90.00	179.79	10,410.00	-3,350.69	-305.14	3,357.22	0.00	0.00	0.00	
13,300.00	90.00	179.79	10,410.00	-3,450.69	-304.76	3,457.18	0.00	0.00	0.00	
13,400.00	90.00	179.79	10,410.00	-3,550.69	-304.39	3,557.14	0.00	0.00	0.00	
13,500.00	90.00	179.79	10,410.00	-3,650.68	-304.02	3,657.10	0.00	0.00	0.00	
13,600.00	90.00	179.79	10,410.00	-3,750.68	-303.65	3,757.06	0.00	0.00	0.00	
13,700.00	90.00	179.79	10,410.00	-3,850.68	-303.28	3,857.02	0.00	0.00	0.00	
13,800.00	90.00	179.79	10,410.00	-3,950.68	-302.91	3,956.98	0.00	0.00	0.00	
13,900.00	90.00	179.79	10,410.00	-4,050.68	-302.54	4,056.94	0.00	0.00	0.00	
14,000.00	90.00	179.79	10,410.00	-4,150.68	-302.17	4,156.89	0.00	0.00	0.00	
14,100.00	90.00	179.79	10,410.00	-4,250.68	-301.80	4,256.85	0.00	0.00	0.00	
14,200.00	90.00	179.79	10,410.00	-4,350.68	-301.43	4,356.81	0.00	0.00	0.00	
14,300.00	90.00	179.79	10,410.00	-4,450.68	-301.06	4,456.77	0.00	0.00	0.00	
14,400.00	90.00	179.79	10,410.00	-4,550.68	-300.68	4,556.73	0.00	0.00	0.00	
14,500.00	90.00	179.79	10,410.00	-4,650.68	-300.31	4,656.69	0.00	0.00	0.00	
14,600.00	90.00	179.79	10,410.00	-4,750.68	-299.94	4,756.65	0.00	0.00	0.00	
14,700.00	90.00	179.79	10,410.00	-4,850.68	-299.57	4,856.61	0.00	0.00	0.00	
14,800.00	90.00	179.79	10,410.00	-4,950.68	-299.20	4,956.57	0.00	0.00	0.00	
14,900.00	90.00	179.79	10,410.00	-5,050.68	-298.83	5,056.53	0.00	0.00	0.00	
15,000.00	90.00	179.79	10,410.00	-5,150.67	-298.46	5,156.49	0.00	0.00	0.00	
15,100.00	90.00	179.79	10,410.00	-5,250.67	-298.09	5,256.45	0.00	0.00	0.00	
15,200.00	90.00	179.79	10,410.00	-5,350.67	-297.72	5,356.41	0.00	0.00	0.00	
15,300.00	90.00	179.79	10,410.00	-5,450.67	-297.35	5,456.37	0.00	0.00	0.00	
15,400.00	90.00	179.79	10,410.00	-5,550.67	-296.98	5,556.33	0.00	0.00	0.00	
15,500.00	90.00	179.79	10,410.00	-5,650.67	-296.61	5,656.29	0.00	0.00	0.00	
15,600.00	90.00	179.79	10,410.00	-5,750.67	-296.23	5,756.25	0.00	0.00	0.00	
15,700.00	90.00	179.79	10,410.00	-5,850.67	-295.86	5,856.20	0.00	0.00	0.00	
15,800.00	90.00	179.79	10,410.00	-5,950.67	-295.49	5,956.16	0.00	0.00	0.00	
15,900.00	90.00	179.79	10,410.00	-6,050.67	-295.12	6,056.12	0.00	0.00	0.00	
16,000.00	90.00	179.79	10,410.00	-6,150.67	-294.75	6,156.08	0.00	0.00	0.00	
16,100.00	90.00	179.79	10,410.00	-6,250.67	-294.38	6,256.04	0.00	0.00	0.00	
16,200.00	90.00	179.79	10,410.00	-6,350.67	-294.01	6,356.00	0.00	0.00	0.00	
16,300.00	90.00	179.79	10,410.00	-6,450.67	-293.64	6,455.96	0.00	0.00	0.00	
16,400.00	90.00	179.79	10,410.00	-6,550.66	-293.27	6,555.92	0.00	0.00	0.00	
16,500.00	90.00	179.79	10,410.00	-6,650.66	-292.90	6,655.88	0.00	0.00	0.00	
16,600.00	90.00	179.79	10,410.00	-6,750.66	-292.53	6,755.84	0.00	0.00	0.00	
16,700.00	90.00	179.79	10,410.00	-6,850.66	-292.15	6,855.80	0.00	0.00	0.00	
16,800.00	90.00	179.79	10,410.00	-6,950.66	-291.78	6,955.76	0.00	0.00	0.00	
16,900.00	90.00	179.79	10,410.00	-7,050.66	-291.41	7,055.72	0.00	0.00	0.00	
17,000.00	90.00	179.79	10,410.00	-7,150.66	-291.04	7,155.68	0.00	0.00	0.00	
17,100.00	90.00	179.79	10,410.00	-7,250.66	-290.67	7,255.64	0.00	0.00	0.00	
17,200.00	90.00	179.79	10,410.00	-7,350.66	-290.30	7,355.60	0.00	0.00	0.00	
17,300.00	90.00	179.79	10,410.00	-7,450.66	-289.93	7,455.56	0.00	0.00	0.00	
17,400.00	90.00	179.79	10,410.00	-7,550.66	-289.56	7,555.51	0.00	0.00	0.00	
17,500.00	90.00	179.79	10,410.00	-7,650.66	-289.19	7,655.47	0.00	0.00	0.00	

Database: Company: Project: Site: Well: Wellbore: Design:	USAEDMDB OXY USA INC. Eddy County, NM (NAD83-NME) Corral Bluff 11_14 Corral Bluff 11_14 Fed Com 31H ST01 / 72656 Plan 8 08-07-23	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well Corral Bluff 11_14 Fed Com 31H RKB @ 3062.30usft (H&P 266) RKB @ 3062.30usft (H&P 266) Grid Minimum Curvature
--	--	--	--

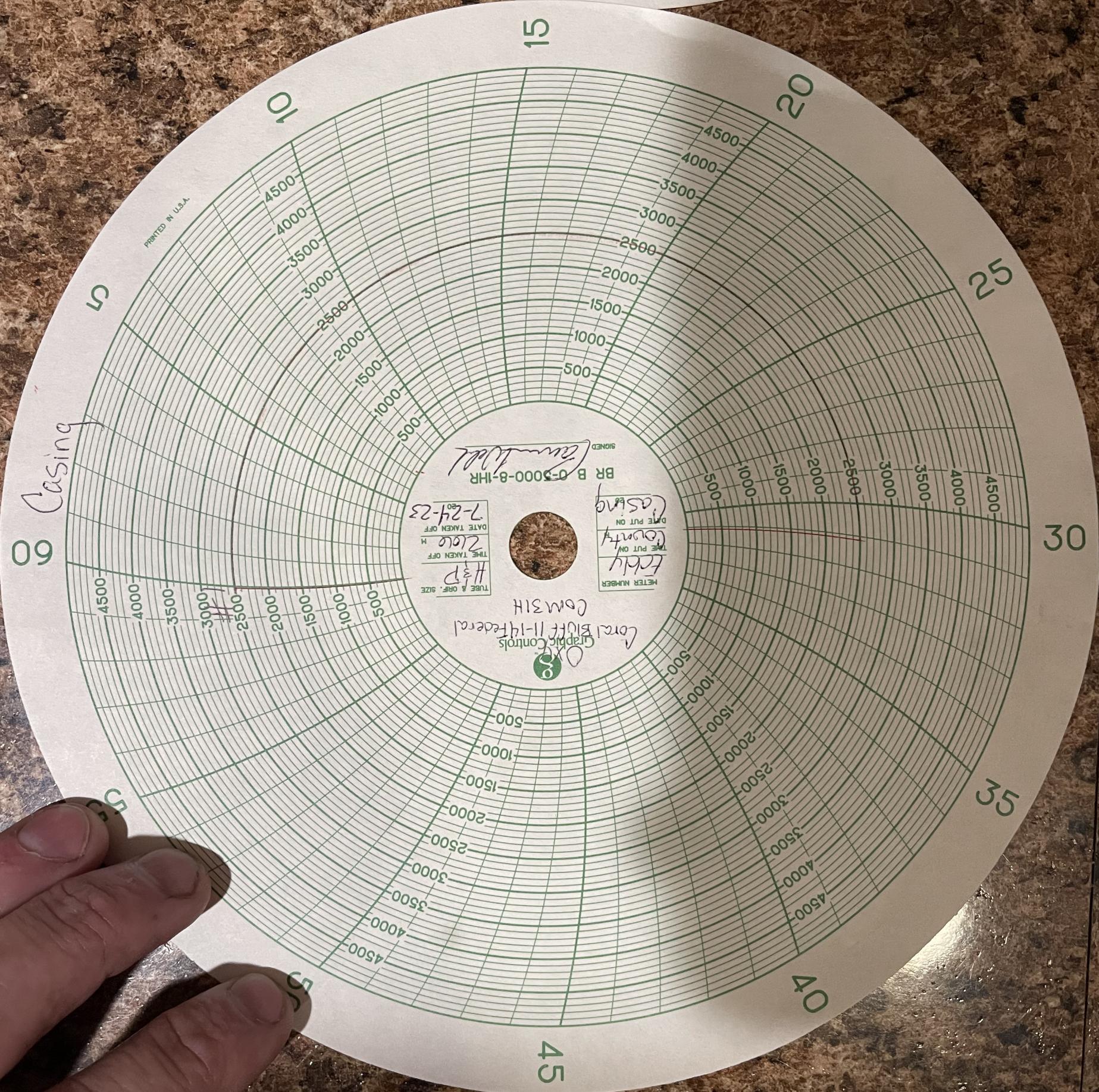
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,600.00	90.00	179.79	10,410.00	-7,750.66	-288.82	7,755.43	0.00	0.00	0.00
17,700.00	90.00	179.79	10,410.00	-7,850.66	-288.45	7,855.39	0.00	0.00	0.00
17,800.00	90.00	179.79	10,410.00	-7,950.66	-288.07	7,955.35	0.00	0.00	0.00
17,900.00	90.00	179.79	10,410.00	-8,050.65	-287.70	8,055.31	0.00	0.00	0.00
18,000.00	90.00	179.79	10,410.00	-8,150.65	-287.33	8,155.27	0.00	0.00	0.00
18,100.00	90.00	179.79	10,410.00	-8,250.65	-286.96	8,255.23	0.00	0.00	0.00
18,200.00	90.00	179.79	10,410.00	-8,350.65	-286.59	8,355.19	0.00	0.00	0.00
18,300.00	90.00	179.79	10,410.00	-8,450.65	-286.22	8,455.15	0.00	0.00	0.00
18,400.00	90.00	179.79	10,410.00	-8,550.65	-285.85	8,555.11	0.00	0.00	0.00
18,500.00	90.00	179.79	10,410.00	-8,650.65	-285.48	8,655.07	0.00	0.00	0.00
18,600.00	90.00	179.79	10,410.00	-8,750.65	-285.11	8,755.03	0.00	0.00	0.00
18,700.00	90.00	179.79	10,410.00	-8,850.65	-284.74	8,854.99	0.00	0.00	0.00
18,800.00	90.00	179.79	10,410.00	-8,950.65	-284.37	8,954.95	0.00	0.00	0.00
18,900.00	90.00	179.79	10,410.00	-9,050.65	-284.00	9,054.91	0.00	0.00	0.00
19,000.00	90.00	179.79	10,410.00	-9,150.65	-283.62	9,154.87	0.00	0.00	0.00
19,100.00	90.00	179.79	10,410.00	-9,250.65	-283.25	9,254.82	0.00	0.00	0.00
19,200.00	90.00	179.79	10,410.00	-9,350.65	-282.88	9,354.78	0.00	0.00	0.00
19,300.00	90.00	179.79	10,410.00	-9,450.64	-282.51	9,454.74	0.00	0.00	0.00
19,400.00	90.00	179.79	10,410.00	-9,550.64	-282.14	9,554.70	0.00	0.00	0.00
19,500.00	90.00	179.79	10,410.00	-9,650.64	-281.77	9,654.66	0.00	0.00	0.00
19,600.00	90.00	179.79	10,410.00	-9,750.64	-281.40	9,754.62	0.00	0.00	0.00
19,700.00	90.00	179.79	10,410.00	-9,850.64	-281.03	9,854.58	0.00	0.00	0.00
19,800.00	90.00	179.79	10,410.00	-9,950.64	-280.66	9,954.54	0.00	0.00	0.00
19,900.00	90.00	179.79	10,410.00	-10,050.64	-280.29	10,054.50	0.00	0.00	0.00
20,000.00	90.00	179.79	10,410.00	-10,150.64	-279.92	10,154.46	0.00	0.00	0.00
20,100.00	90.00	179.79	10,410.00	-10,250.64	-279.54	10,254.42	0.00	0.00	0.00
20,200.00	90.00	179.79	10,410.00	-10,350.64	-279.17	10,354.38	0.00	0.00	0.00
20,300.00	90.00	179.79	10,410.00	-10,450.64	-278.80	10,454.34	0.00	0.00	0.00
20,400.00	90.00	179.79	10,410.00	-10,550.64	-278.43	10,554.30	0.00	0.00	0.00
20,500.00	90.00	179.79	10,410.00	-10,650.64	-278.06	10,654.26	0.00	0.00	0.00
20,600.00	90.00	179.79	10,410.00	-10,750.64	-277.69	10,754.22	0.00	0.00	0.00
20,700.00	90.00	179.79	10,410.00	-10,850.64	-277.32	10,854.18	0.00	0.00	0.00
20,800.00	90.00	179.79	10,410.00	-10,950.63	-276.95	10,954.13	0.00	0.00	0.00
20,900.00	90.00	179.79	10,410.00	-11,050.63	-276.58	11,054.09	0.00	0.00	0.00
21,000.00	90.00	179.79	10,410.00	-11,150.63	-276.21	11,154.05	0.00	0.00	0.00
21,026.04	90.00	179.79	10,410.00	-11,176.67	-276.11	11,180.08	0.00	0.00	0.00
TD at 21026.04									

Database: USAEDMDB	Local Co-ordinate Reference:	Well Corral Bluff 11_14 Fed Com 31H
Company: OXY USA INC.	TVD Reference:	RKB @ 3062.30usft (H&P 266)
Project: Eddy County, NM (NAD83-NME)	MD Reference:	RKB @ 3062.30usft (H&P 266)
Site: Corral Bluff 11_14	North Reference:	Grid
Well: Corral Bluff 11_14 Fed Com 31H	Survey Calculation Method:	Minimum Curvature
Wellbore: ST01 / 72656		
Design: Plan 8 08-07-23		

Design Targets										
Target Name										
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
LTPv3 - CB 11_14 31H	0.00	0.00	10,410.00	-11,096.69	-276.48	408,697.35	656,085.98	32° 7' 22.963711 N 103° 57' 45.604661 W		
- plan misses target center by 0.07usft at 20946.06usft MD (10410.00 TVD, -11096.69 N, -276.41 E)										
- Point										
BHLv3 - CB 11_14 31H	0.00	181.42	10,410.00	-11,176.67	-276.11	408,617.37	656,086.35	32° 7' 22.172215 N 103° 57' 45.603558 W		
- plan hits target center										
- Rectangle (sides W75.00 H10,501.21 D30.00)										
FTPv3 - CB 11_14 31H	0.00	0.00	10,410.00	-675.53	-314.47	419,118.51	656,047.99	32° 9' 6.092731 N 103° 57' 45.629397 W		
- plan misses target center by 62.63usft at 10541.12usft MD (10352.52 TVD, -700.10 N, -310.66 E)										
- Point										

Formations							
Measured Depth (usft)	Vertical Depth (usft)	Name			Lithology	Dip (°)	Dip Direction (°)
324.30	324.30	RUSTLER				0.000	181.42
758.33	758.30	SALADO				0.000	181.42
1,617.68	1,617.30	CASTILE				0.000	181.42
3,161.27	3,160.30	LAMAR				0.000	181.42
3,197.28	3,196.30	BELL CANYON				0.000	181.42
4,054.49	4,053.30	CHERRY CANYON				0.000	181.42
5,604.52	5,594.30	BRUSHY CANYON				0.000	181.42
6,963.86	6,929.30	BONE SPRING				0.000	181.42
7,865.14	7,827.30	BONE SPRING 1ST				0.000	181.42
8,721.85	8,683.30	BONE SPRING 2ND				0.000	181.42
9,881.80	9,841.30	BONE SPRING 3RD				0.000	181.42
10,172.33	10,113.30	WOLFCAMP				0.000	181.42
10,365.02	10,258.30	WOLFCAMP A				0.000	181.42

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N-S (usft)	+E-W (usft)		
9,345.00	9,306.21	-293.53	-307.86	Tie In to OH	
9,390.00	9,351.17	-294.96	-306.58	Top Of WS	
9,400.00	9,361.15	-295.45	-306.44	Exit WS, Begin 3.00°/100' Build	
9,491.05	9,451.83	-303.59	-306.44	Hold 6.50° Inc at 180.00° Azm	
9,597.08	9,557.18	-315.60	-306.44	Begin 3.00°/100' Drop	
9,813.75	9,773.38	-327.87	-306.44	KOP, Begin 9.00°/100' Build	
10,395.33	10,277.38	-575.54	-309.25	SL: 10395.33' MD, 52.34° Inc	
10,513.85	10,340.66	-675.54	-310.38	FTP: 10550.00' MD, 63.01° Inc	
10,813.75	10,410.00	-964.45	-313.66	LP, Hold 90.00° Inc, Begin 2.00°/100' Turn	
10,856.88	10,410.00	-1,007.58	-313.83	Hold 179.79° Azm	
21,026.04	10,410.00	-11,176.67	-276.11	TD at 21026.04	



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 281639

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 281639
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmccclure	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	1/13/2026