

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011District I

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

¹ Operator name and Address OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710		² OGRID Number: 16696
		³ Reason for Filing Code/ Effective Date: NW - 07/16/2024
⁴ API Number 30 – 015-48020	⁵ Pool Name PIERCE CROSSING; BONE SPRING, EAST	⁶ Pool Code 96473
⁷ Property Code: 329731	⁸ Property Name: CORRAL BLUFF 11-14 FEDERAL COM	⁹ Well Number: 23H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	2	25S	29E		323	SOUTH	1315	WEST	EDDY

¹¹ Bottom Hole Location

FTP- 862' FNL 2125' FWL LTP- 215' FSL 2106' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	14	25S	29E		48	SOUTH	2104	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code : F		¹⁴ Gas Connection Date: 07/17/24		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214754	LPC CRUDE OIL, INC.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date 04/21/24	²² Ready Date 07/16/2024	²³ TD 19821'M 9590'V	²⁴ PBTD 19781'M 9590'V	²⁵ Perforations 10088-19654'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
14-3/4"		10-3/4"		674'	685
9-7/8"		7.827"		10060'	1907
6-3/4"		5-1/2"		8762'-19806'	551

V. Well Test Data

³¹ Date New Oil 07/21/24	³² Gas Delivery Date 07/17/24	³³ Test Date 07/25/24	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1235
³⁷ Choke Size 40	³⁸ Oil 1160	³⁹ Water 5043	⁴⁰ Gas 2809		⁴¹ Test Method F

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: 

Printed name: JANA MENDIOLA

Title: REGULATORY ADVISOR

E-mail Address:
Janalyn_mendiola@oxy.comDate: 07/25/2024
Phone: 422-695-5936

OIL CONSERVATION DIVISION

Approved by:

PATRICIA MARTINEZ

Title: PETROLEUM SPECIALIST

Approval Date: 5/16/2025

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-48020	² Pool Code 96473	³ Pool Name PIERCE CROSSING; BONE SPRING, EAST
⁴ Property Code 329731	⁵ Property Name CORRAL BLUFF 11-14 FED COM	⁶ Well Number 23H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.	⁹ Elevation 3050.6'

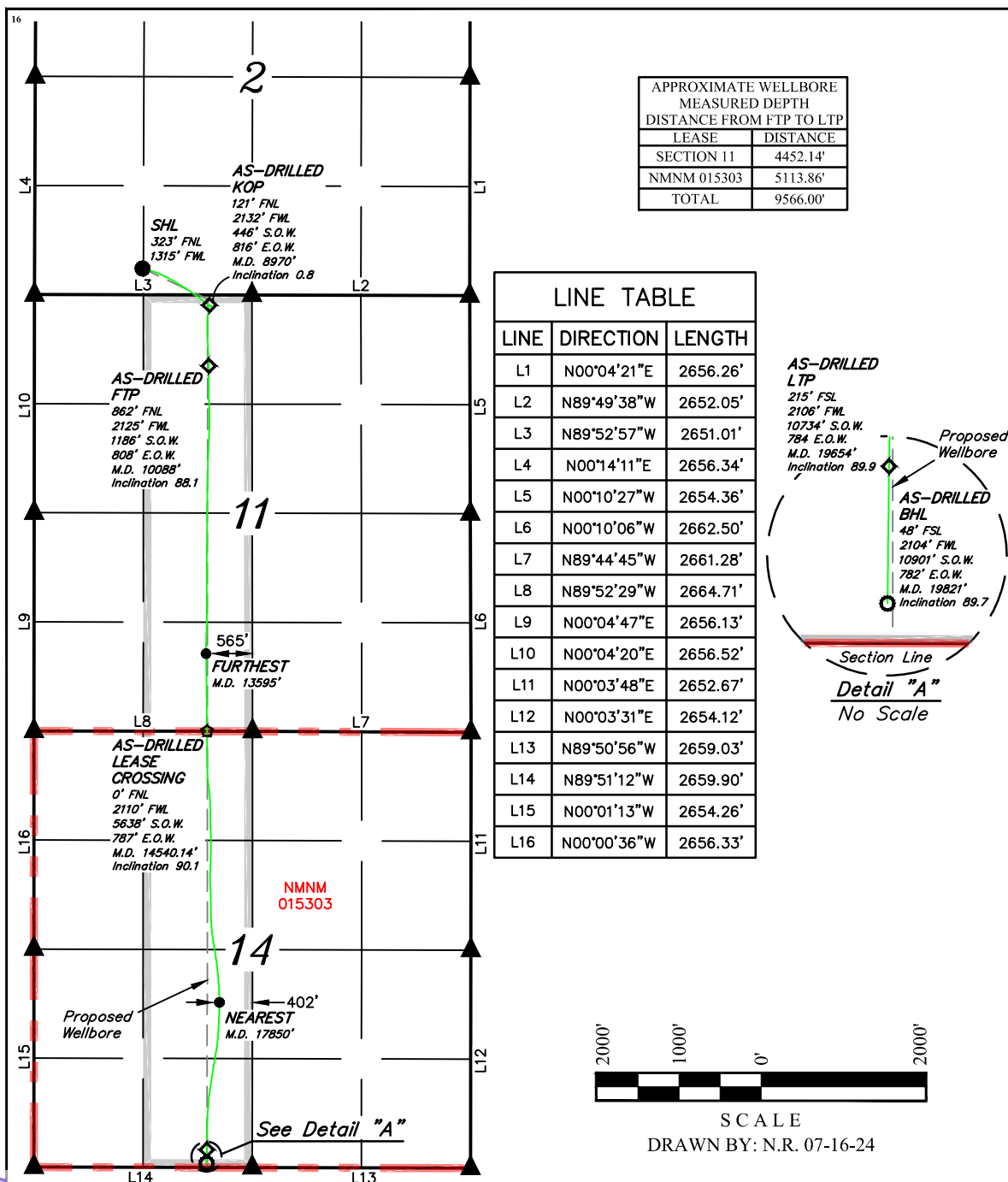
¹⁰Surface Location

UL or lot no. M	Section 2	Township 25S	Range 29E	Lot Idn	Feet from the 323	North/South line SOUTH	Feet from the 1315	East/West line WEST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. N	Section 14	Township 25S	Range 29E	Lot Idn	Feet from the 48	North/South line SOUTH	Feet from the 2104	East/West line WEST	County EDDY
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.



NAD 83 (AS-DRILLED FTP)
LATITUDE = 32°08'58.53" (32.149593°)
LONGITUDE = -103°57'24.75" (-103.956876°)
NAD 27 (AS-DRILLED FTP)
LATITUDE = 32°08'58.09" (32.149469°)
LONGITUDE = -103°57'23.01" (-103.956391°)
STATE PLANE NAD 83 (N.M. EAST)
N: 418360.85' E: 657845.16'
STATE PLANE NAD 27 (N.M. EAST)
N: 418302.47' E: 616660.54'

NAD 83 (AS-DRILLED BHL)
LATITUDE = 32°07'22.42" (32.122895°)
LONGITUDE = -103°57'24.98" (-103.956939°)
NAD 27 (AS-DRILLED BHL)
LATITUDE = 32°07'21.97" (32.122771°)
LONGITUDE = -103°57'23.24" (-103.956455°)
STATE PLANE NAD 83 (N.M. EAST)
N: 408648.58' E: 657859.69'
STATE PLANE NAD 27 (N.M. EAST)
N: 408590.39' E: 616674.80'

**17 OPERATOR
CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Jana Mendiola 07/23/24

Signature

Date

JANA MENDIOLA

Printed Name

janalyn_mendiola@oxy.com

E-mail Address

**18 SURVEYOR
CERTIFICATION**

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.

August 10, 2023

Date of Survey _____
Signature and Seal of Professional Surveyor: _____



Certificate Number:

- = SURFACE HOLE LOCATION
 ◆ = AS-DRILLED KICK OFF POINT /TAKE POINTS
 ☆ = AS-DRILLED LEASE CROSSING
 ⦿ = AS-DRILLED BOTTOM HOLE LOCATION
 ▲ = SECTION CORNER LOCATED
 — = LEASE LINE
 — = HORIZONTAL SPACING UNIT
 — = AS-DRILLED WELLBORE
 S.O.W. = SOUTH OF WELL
 E.O.W. = EAST OF WELL

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- As-Drilled well head has not been field verified.
- Wellbore data provided by Oxy USA Inc.



Location: Eddy County, NM
Field: Pierce Crossing; Bone Spring, East
Facility: Corral Bluff 11-14 Fed Com Pad

Oxy USA Inc.

Slot: Corral Bluff 11-14 Fed Com 23H
Well: Corral Bluff 11-14 Fed Com 23H
Wellbore: Corral Bluff 11-14 Fed Com 23H AWB



Plot reference wellpath is Corral Bluff 11-14 Fed Com 23H Rev-A.0	Grid System: NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
True vertical depths are referenced to H&P 423 (KB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 423 (KB)	Scale: True distance
H&P 423 (KB) to Mean Sea Level: 3076.6 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Corral Bluff 11-14 Fed Com 23H): -3050.6 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: moyagusa on 2024-05-11; Database: WA, HOU, Midland, Defn

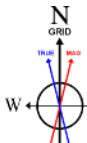
Location Information					
Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Corral Bluff 11-14 Fed Com Pad		656432.440	419794.190	32°09'12.7661"N	103°57'41.1302"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Corral Bluff 11-14 Fed Com 23H	-250.66	600.07	657032.460	419543.550	32°09'10.2652"N
H&P 423 (KB) to Ground level (At Slot: Corral Bluff 11-14 Fed Com 23H)	26ft				
Mean Sea Level to Ground level (At Slot: Corral Bluff 11-14 Fed Com 23H)	-3050.6ft				
H&P 423 (KB) to Mean Sea Level	3076.6ft				

Well Profile Data								
Design Comment	MD (ft)	Inc (")	Az (")	TVD (ft)	Local N (ft)	Local E (ft)	DLS ("/100ft)	VS (ft)
Tie On	10010.00	83.510	177.800	9531.17	-1105.11	809.93	5.89	1163.49
Start Build/Turn	10075.00	86.650	180.040	9536.74	-1169.85	811.15	5.93	1228.13
End Build/Turn	10367.49	91.000	180.612	9542.74	-1462.20	809.48	1.50	1519.51
Start Drop/Turn	11054.31	91.000	180.612	9530.75	-2148.88	802.15	0.00	2203.64
End Drop/Turn	11140.56	90.000	179.791	9530.00	-2235.13	801.85	1.50	2289.62
Start Turn	16515.04	90.000	179.791	9530.00	-7609.57	821.48	0.00	7650.00
Cont. Turn	17195.04	90.000	169.591	9530.00	-8285.76	884.32	1.50	8329.01
Cont. Turn	18555.04	90.000	189.991	9530.00	-9638.58	889.26	1.50	9678.29
End Turn	19235.04	90.000	179.791	9530.00	-10315.21	831.36	1.50	10348.56
PBHL (20FSL & 690FWL)	19843.99	90.000	179.791	9530.00	-10924.15	833.58	0.00	10955.91

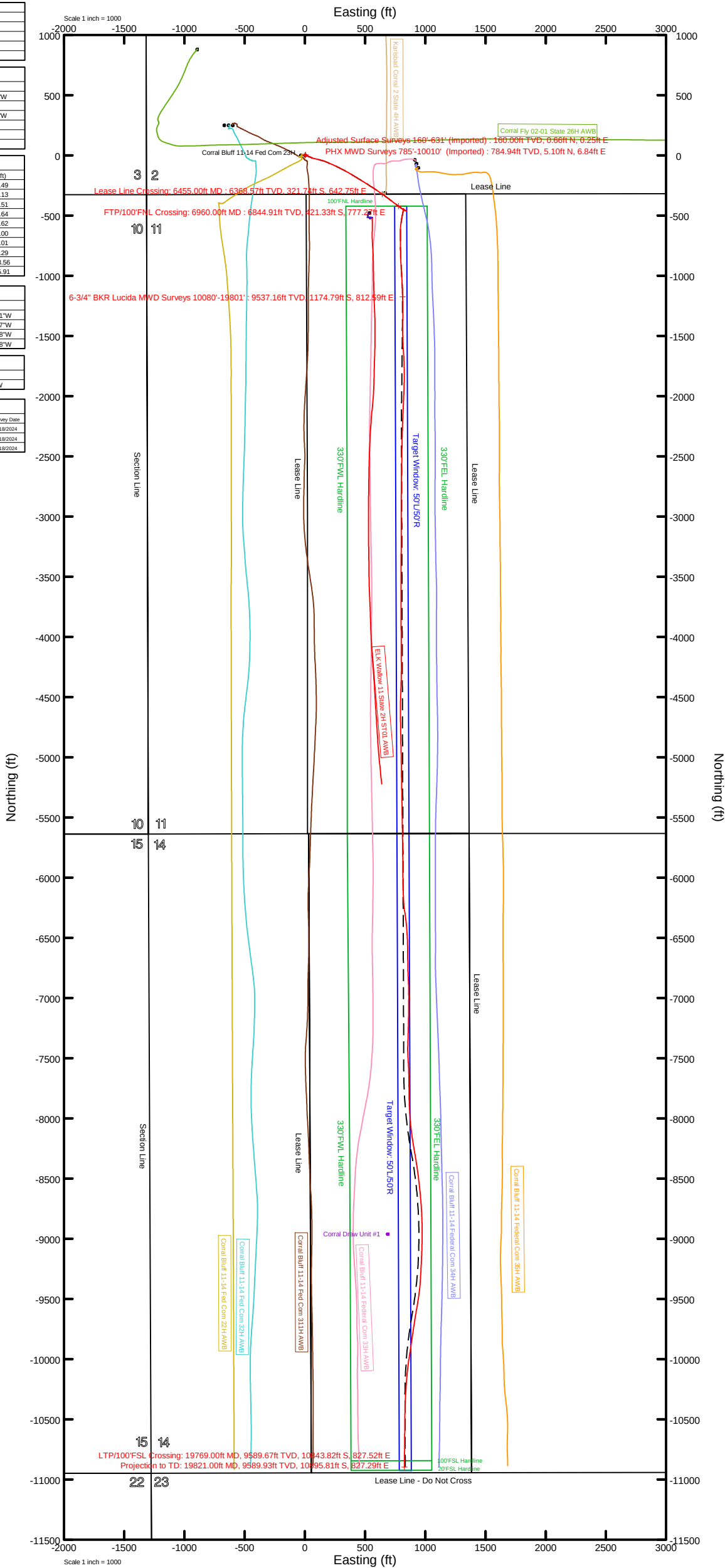
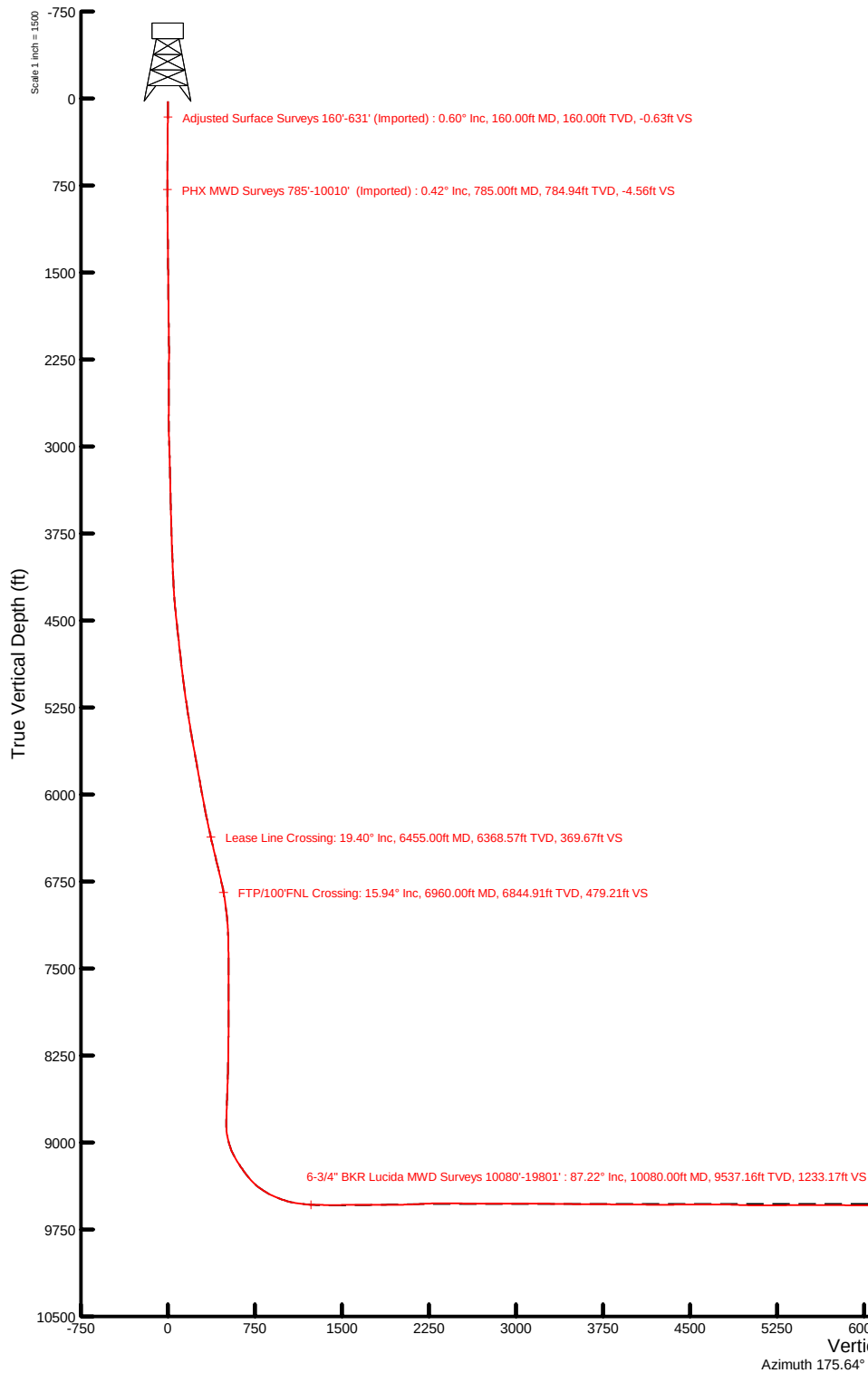
Targets								
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Corral Bluff 11-14 Fed Com 23H - FTP	N/A	9530.00	-421.27	795.22	657827.62	419122.31	32°09'6.0692"N	103°57'24.9281"W
Corral Bluff 11-14 Fed Com 23H - LTP	N/A	9530.00	-10844.16	833.22	657865.62	408700.23	32°07'22.9312"N	103°57'24.9097"W
Corral Bluff 11-14 Fed Com 23H - PBHL	N/A	9530.00	-10924.15	833.58	657865.98	408620.25	32°07'22.1397"N	103°57'24.9088"W
Corral Bluff 11-14 Fed Com 23H - PP	N/A	9530.00	-371.28	795.07	657827.47	419172.30	32°09'6.5639"N	103°57'24.9278"W

Bottom Hole Location								
MD (ft)	Inc (")	Az (")	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
19821.00	89.710	180.240	9589.93	-10895.81	827.23	657859.68	408648.58	32°07'22.4202"N
								103°57'24.9808"W

Wellpath Composition					
Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
36.00	631.00	OWSG MWD rwd	OWSG MWD+HRGM+SAG	Adjusted Surface Surveys 160'-631' (Imported)	Corral Bluff 11-14 Fed Com 23H AWB
631.00	10010.00	OWSG MWD rwd	Custom OWSG MWD+FR1+SAG+FRB (Approximation)	PHX MWD Surveys 785'-10010' (Imported)	Corral Bluff 11-14 Fed Com 23H AWB
10010.00	19821.00	OWSG MWD rwd	Custom OWSG MWD+FR1+SAG+FRB (Approximation)	6-3/4" BKR Lucida MWD Surveys 10080'-19801'	Corral Bluff 11-14 Fed Com 23H AWB



Actual Line Calls
Lease Line Crossing @ 6455.00ft MD: 1957'FWL
FTP/100'FNL Crossing @ 6960.00ft MD: 100'FNL & 2092'FWL
LTP/100'FSL Crossing @ 19801.00ft MD: 100'FSL & 2104'FWL
Projection to TD @ 19821.00ft MD: 48'FSL & 2103'FWL





Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H_awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Moyagusa
Scale	0.999924	Report Generated	5/19/2024 at 2:57:54 PM
Convergence at slot	0.20° East	Database	WA_HOU_Midland_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-250.66	600.07	657032.46	419543.55	32°09'10.2652"N	103°57'34.1606"W
Facility Reference Pt			656432.44	419794.19	32°09'12.7661"N	103°57'41.1302"W
Field Reference Pt			533303.25	1273342.63	34°30'0.0000"N	104°21'36.0000"W

WELLPATH DATUM

Calculation method	Minimum curvature	H&P 423 (KB) to Facility Vertical Datum	3076.60ft
Horizontal Reference Pt	Slot	H&P 423 (KB) to Mean Sea Level	3076.60ft
Vertical Reference Pt	H&P 423 (KB)	H&P 423 (KB) to Ground Level at Slot (Corral Bluff 11-14 Fed Com 23H)	26.00ft
MD Reference Pt	H&P 423 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	175.64°



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	20.890	0.00	0.00	0.00	0.00	657032.46	419543.55	32°09'10.2652"N	103°57'34.1606"W	0.00	0.00	0.00	
26.00	0.000	20.890	26.00	0.00	0.00	0.00	657032.46	419543.55	32°09'10.2652"N	103°57'34.1606"W	0.00	0.00	0.00	
160.00	0.600	20.890	160.00	-0.63	0.66	0.25	657032.71	419544.21	32°09'10.2717"N	103°57'34.1576"W	0.45	0.45	0.00	Adjusted Surface Surveys 160'-631' (Imported)
220.00	0.460	32.530	219.99	-1.11	1.15	0.49	657032.95	419544.70	32°09'10.2766"N	103°57'34.1548"W	0.29	-0.23	19.40	
291.00	0.640	36.020	290.99	-1.64	1.71	0.88	657033.34	419545.26	32°09'10.2821"N	103°57'34.1503"W	0.26	0.25	4.92	
378.00	0.700	40.950	377.99	-2.39	2.51	1.51	657033.97	419546.06	32°09'10.2900"N	103°57'34.1429"W	0.10	0.07	5.67	
465.00	0.880	57.830	464.98	-3.07	3.26	2.43	657034.89	419546.81	32°09'10.2974"N	103°57'34.1322"W	0.34	0.21	19.40	
551.00	0.990	68.250	550.97	-3.60	3.89	3.68	657036.13	419547.44	32°09'10.3036"N	103°57'34.1177"W	0.23	0.13	12.12	
631.00	1.050	71.740	630.95	-3.98	4.38	5.01	657037.47	419547.93	32°09'10.3084"N	103°57'34.1021"W	0.11	0.08	4.36	
785.00	0.420	60.260	784.94	-4.56	5.10	6.84	657039.30	419548.65	32°09'10.3155"N	103°57'34.0808"W	0.42	-0.41	-7.45	PHX MWD Surveys 785'-10010' (Imported)
880.00	0.420	197.730	879.94	-4.39	4.94	7.04	657039.50	419548.49	32°09'10.3139"N	103°57'34.0785"W	0.82	0.00	144.71	
973.00	0.590	165.260	972.94	-3.60	4.15	7.06	657039.52	419547.70	32°09'10.3061"N	103°57'34.0783"W	0.35	0.18	-34.91	
1067.00	0.720	157.140	1066.93	-2.57	3.14	7.41	657039.87	419546.69	32°09'10.2960"N	103°57'34.0743"W	0.17	0.14	-8.64	
1161.00	0.580	168.780	1160.92	-1.54	2.13	7.73	657040.19	419545.68	32°09'10.2860"N	103°57'34.0706"W	0.20	-0.15	12.38	
1256.00	0.670	176.090	1255.92	-0.50	1.10	7.86	657040.32	419544.65	32°09'10.2759"N	103°57'34.0691"W	0.13	0.09	7.69	
1351.00	0.560	203.210	1350.91	0.46	0.12	7.72	657040.18	419543.67	32°09'10.2662"N	103°57'34.0708"W	0.32	-0.12	28.55	
1445.00	0.540	215.630	1444.91	1.21	-0.66	7.28	657039.74	419542.89	32°09'10.2585"N	103°57'34.0759"W	0.13	-0.02	13.21	
1540.00	0.490	198.550	1539.90	1.93	-1.41	6.89	657039.35	419542.14	32°09'10.2511"N	103°57'34.0805"W	0.17	-0.05	-17.98	
1635.00	0.770	211.850	1634.90	2.82	-2.34	6.42	657038.88	419541.21	32°09'10.2419"N	103°57'34.0860"W	0.33	0.29	14.00	
1730.00	1.040	222.380	1729.89	3.92	-3.51	5.51	657037.96	419540.04	32°09'10.2303"N	103°57'34.0967"W	0.33	0.28	11.08	
1825.00	1.090	230.350	1824.87	5.04	-4.73	4.23	657036.69	419538.82	32°09'10.2183"N	103°57'34.1116"W	0.16	0.05	8.39	
1920.00	1.200	227.460	1919.85	6.17	-5.98	2.80	657035.26	419537.57	32°09'10.2060"N	103°57'34.1283"W	0.13	0.12	-3.04	
2015.00	1.180	222.620	2014.83	7.46	-7.37	1.40	657033.86	419536.18	32°09'10.1923"N	103°57'34.1445"W	0.11	-0.02	-5.09	
2110.00	1.330	229.870	2109.81	8.77	-8.80	-0.10	657032.36	419534.75	32°09'10.1782"N	103°57'34.1621"W	0.23	0.16	7.63	
2205.00	0.560	286.300	2204.80	9.25	-9.38	-1.39	657031.07	419534.17	32°09'10.1725"N	103°57'34.1771"W	1.18	-0.81	59.40	
2300.00	0.750	16.300	2299.79	8.50	-8.65	-1.66	657030.80	419534.90	32°09'10.1797"N	103°57'34.1802"W	0.99	0.20	94.74	
2395.00	0.690	30.380	2394.78	7.45	-7.56	-1.20	657031.26	419535.99	32°09'10.1904"N	103°57'34.1748"W	0.20	-0.06	14.82	
2490.00	1.200	73.130	2489.77	6.76	-6.78	0.04	657032.50	419536.77	32°09'10.1981"N	103°57'34.1603"W	0.88	0.54	45.00	
2585.00	2.740	90.080	2584.71	6.72	-6.50	3.27	657035.73	419537.06	32°09'10.2008"N	103°57'34.1228"W	1.72	1.62	17.84	
2680.00	3.630	81.140	2679.57	6.66	-6.04	8.51	657040.97	419537.52	32°09'10.2052"N	103°57'34.0618"W	1.07	0.94	-9.41	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2775.00	4.610	86.170	2774.32	6.46	-5.32	15.29	657047.75	419538.23	32°09'10.2121"N	103°57'33.9829"W	1.10	1.03	5.29	
2870.00	4.470	105.190	2869.03	7.74	-6.03	22.67	657055.13	419537.52	32°09'10.2048"N	103°57'33.8971"W	1.58	-0.15	20.02	
2965.00	4.640	111.730	2963.73	10.67	-8.42	29.81	657062.27	419535.13	32°09'10.1808"N	103°57'33.8141"W	0.57	0.18	6.88	
3059.00	3.410	109.360	3057.49	13.46	-10.76	35.98	657068.44	419532.79	32°09'10.1575"N	103°57'33.7425"W	1.32	-1.31	-2.52	
3154.00	3.150	114.260	3152.34	15.85	-12.77	41.03	657073.49	419530.78	32°09'10.1375"N	103°57'33.6839"W	0.40	-0.27	5.16	
3249.00	2.700	115.440	3247.22	18.21	-14.80	45.43	657077.89	419528.75	32°09'10.1172"N	103°57'33.6328"W	0.48	-0.47	1.24	
3344.00	2.850	112.280	3342.10	20.38	-16.66	49.64	657082.09	419526.89	32°09'10.0987"N	103°57'33.5839"W	0.23	0.16	-3.33	
3438.00	2.890	112.690	3435.99	22.51	-18.46	53.98	657086.44	419525.09	32°09'10.0807"N	103°57'33.5334"W	0.05	0.04	0.44	
3533.00	2.890	116.660	3530.87	24.83	-20.46	58.33	657090.79	419523.09	32°09'10.0608"N	103°57'33.4829"W	0.21	0.00	4.18	
3628.00	3.860	107.310	3625.70	27.25	-22.48	63.53	657095.98	419521.07	32°09'10.0406"N	103°57'33.4226"W	1.17	1.02	-9.84	
3723.00	5.700	102.540	3720.37	29.80	-24.46	71.19	657103.64	419519.09	32°09'10.0208"N	103°57'33.3336"W	1.98	1.94	-5.02	
3818.00	6.790	103.280	3814.80	32.87	-26.77	81.26	657113.71	419516.78	32°09'9.9975"N	103°57'33.2165"W	1.15	1.15	0.78	
3913.00	6.950	104.580	3909.12	36.44	-29.51	92.29	657124.74	419514.04	32°09'9.9700"N	103°57'33.0883"W	0.23	0.17	1.37	
4008.00	6.880	102.760	4003.43	39.98	-32.21	103.40	657135.85	419511.34	32°09'9.9429"N	103°57'32.9592"W	0.24	-0.07	-1.92	
4102.00	8.030	104.530	4096.63	43.76	-35.10	115.25	657147.70	419508.45	32°09'9.9139"N	103°57'32.8215"W	1.25	1.22	1.88	
4197.00	9.400	104.870	4190.53	48.47	-38.76	129.17	657161.62	419504.79	32°09'9.8772"N	103°57'32.6597"W	1.44	1.44	0.36	
4292.00	10.490	104.330	4284.10	53.79	-42.89	145.04	657177.49	419500.66	32°09'9.8358"N	103°57'32.4752"W	1.15	1.15	-0.57	
4387.00	12.110	111.420	4377.26	60.90	-48.67	162.70	657195.15	419494.88	32°09'9.7780"N	103°57'32.2701"W	2.24	1.71	7.46	
4482.00	12.920	113.100	4470.01	70.13	-56.48	181.75	657214.19	419487.08	32°09'9.7001"N	103°57'32.0489"W	0.93	0.85	1.77	
4577.00	13.590	113.190	4562.47	80.19	-65.04	201.78	657234.22	419478.51	32°09'9.6147"N	103°57'31.8162"W	0.71	0.71	0.09	
4672.00	13.540	112.680	4654.82	90.41	-73.72	222.30	657254.74	419469.83	32°09'9.5281"N	103°57'31.5779"W	0.14	-0.05	-0.54	
4767.00	13.530	113.180	4747.19	100.60	-82.39	242.77	657275.22	419461.17	32°09'9.4417"N	103°57'31.3401"W	0.12	-0.01	0.53	
4862.00	12.740	116.590	4839.70	111.13	-91.45	262.36	657294.80	419452.11	32°09'9.3513"N	103°57'31.1127"W	1.16	-0.83	3.59	
4957.00	13.050	116.590	4932.31	122.03	-100.94	281.32	657313.75	419442.62	32°09'9.2567"N	103°57'30.8925"W	0.33	0.33	0.00	
5052.00	13.650	117.580	5024.74	133.48	-110.93	300.84	657333.28	419432.63	32°09'9.1572"N	103°57'30.6658"W	0.68	0.63	1.04	
5146.00	14.500	117.750	5115.92	145.60	-121.54	321.09	657353.52	419422.02	32°09'9.0515"N	103°57'30.4307"W	0.91	0.90	0.18	
5241.00	15.100	118.450	5207.76	158.63	-132.98	342.49	657374.93	419410.58	32°09'8.9376"N	103°57'30.1822"W	0.66	0.63	0.74	
5336.00	15.410	119.880	5299.42	172.44	-145.16	364.32	657396.75	419398.40	32°09'8.8163"N	103°57'29.9289"W	0.51	0.33	1.51	
5431.00	15.860	120.470	5390.90	186.95	-158.03	386.45	657418.88	419385.53	32°09'8.6882"N	103°57'29.6720"W	0.50	0.47	0.62	
5526.00	16.500	120.790	5482.14	202.13	-171.52	409.23	657441.66	419372.04	32°09'8.5539"N	103°57'29.4076"W	0.68	0.67	0.34	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5621.00	16.990	121.510	5573.11	218.03	-185.68	432.65	657465.08	419357.89	32°09'8.4130"N	103°57'29.1357"W	0.56	0.52	0.76	
5716.00	17.130	121.850	5663.93	234.43	-200.32	456.37	657488.79	419343.25	32°09'8.2673"N	103°57'28.8604"W	0.18	0.15	0.36	
5811.00	16.900	122.080	5754.77	250.90	-215.03	479.95	657512.38	419328.53	32°09'8.1209"N	103°57'28.5867"W	0.25	-0.24	0.24	
5906.00	16.860	121.740	5845.68	267.22	-229.61	503.37	657535.79	419313.95	32°09'7.9758"N	103°57'28.3149"W	0.11	-0.04	-0.36	
6001.00	16.990	122.110	5936.56	283.58	-244.24	526.84	657559.26	419299.33	32°09'7.8303"N	103°57'28.0425"W	0.18	0.14	0.39	
6096.00	17.080	122.650	6027.39	300.23	-259.14	550.34	657582.76	419284.43	32°09'7.6820"N	103°57'27.7697"W	0.19	0.09	0.57	
6191.00	17.520	123.360	6118.10	317.38	-274.53	574.03	657606.45	419269.04	32°09'7.5289"N	103°57'27.4948"W	0.51	0.46	0.75	
6285.00	18.030	124.280	6207.61	335.12	-290.51	597.87	657630.29	419253.07	32°09'7.3700"N	103°57'27.2182"W	0.62	0.54	0.98	
6380.00	18.890	124.990	6297.72	354.05	-307.61	622.62	657655.03	419235.97	32°09'7.1999"N	103°57'26.9310"W	0.94	0.91	0.75	
6455.00†	19.403	125.149	6368.57	369.67	-321.74	642.75	657675.16	419221.83	32°09'7.0594"N	103°57'26.6975"W	0.69	0.68	0.21	Lease Line Crossing: 6455.00ft MD
6475.00	19.540	125.190	6387.43	373.92	-325.58	648.20	657680.61	419217.99	32°09'7.0212"N	103°57'26.6342"W	0.69	0.68	0.21	
6570.00	20.060	126.230	6476.81	394.63	-344.37	674.33	657706.74	419199.21	32°09'6.8344"N	103°57'26.3311"W	0.66	0.55	1.09	
6665.00	20.430	126.520	6565.94	416.09	-363.86	700.80	657733.20	419179.72	32°09'6.6406"N	103°57'26.0240"W	0.40	0.39	0.31	
6760.00	20.240	127.560	6655.02	437.92	-383.75	727.15	657759.55	419159.83	32°09'6.4429"N	103°57'25.7183"W	0.43	-0.20	1.09	
6855.00	18.500	127.150	6744.64	458.89	-402.87	752.19	657784.59	419140.71	32°09'6.2528"N	103°57'25.4278"W	1.84	-1.83	-0.43	
6950.00	16.260	125.620	6835.30	477.42	-419.72	775.02	657807.42	419123.86	32°09'6.0853"N	103°57'25.1630"W	2.41	-2.36	-1.61	
6960.00†	15.941	125.684	6844.91	479.21	-421.33	777.27	657809.67	419122.25	32°09'6.0692"N	103°57'25.1369"W	3.20	-3.19	0.64	FTP/100'FNL Crossing: 6960.00ft MD
7044.00	13.260	126.340	6926.19	492.91	-433.77	794.40	657826.80	419109.81	32°09'5.9456"N	103°57'24.9381"W	3.20	-3.19	0.78	
7139.00	9.120	127.260	7019.36	505.02	-444.79	809.18	657841.57	419098.79	32°09'5.8360"N	103°57'24.7667"W	4.36	-4.36	0.97	
7234.00	7.180	120.950	7113.40	513.45	-452.41	820.26	657852.66	419091.18	32°09'5.7603"N	103°57'24.6381"W	2.25	-2.04	-6.64	
7329.00	4.960	108.910	7207.86	518.51	-456.79	829.24	657861.64	419086.80	32°09'5.7166"N	103°57'24.5338"W	2.68	-2.34	-12.67	
7424.00	3.490	99.770	7302.60	520.84	-458.61	835.98	657868.37	419084.97	32°09'5.6983"N	103°57'24.4556"W	1.70	-1.55	-9.62	
7519.00	1.500	108.260	7397.51	522.02	-459.49	840.01	657872.40	419084.09	32°09'5.6895"N	103°57'24.4087"W	2.12	-2.09	8.94	
7614.00	0.710	86.620	7492.49	522.51	-459.85	841.78	657874.17	419083.74	32°09'5.6859"N	103°57'24.3881"W	0.93	-0.83	-22.78	
7709.00	0.200	276.500	7587.49	522.49	-459.79	842.20	657874.59	419083.79	32°09'5.6864"N	103°57'24.3832"W	0.96	-0.54	-179.07	
7803.00	0.490	283.050	7681.49	522.34	-459.68	841.64	657874.04	419083.90	32°09'5.6875"N	103°57'24.3897"W	0.31	0.31	6.97	
7898.00	0.950	283.120	7776.48	521.98	-459.41	840.48	657872.88	419084.17	32°09'5.6903"N	103°57'24.4032"W	0.48	0.48	0.07	
7993.00	0.820	271.200	7871.47	521.68	-459.22	839.03	657871.43	419084.36	32°09'5.6922"N	103°57'24.4200"W	0.24	-0.14	-12.55	
8088.00	0.630	263.460	7966.46	521.63	-459.27	837.84	657870.23	419084.32	32°09'5.6918"N	103°57'24.4339"W	0.22	-0.20	-8.15	
8183.00	0.570	270.620	8061.45	521.61	-459.32	836.84	657869.24	419084.26	32°09'5.6913"N	103°57'24.4455"W	0.10	-0.06	7.54	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8278.00	0.880	285.690	8156.45	521.32	-459.12	835.67	657868.06	419084.47	32°09'5.6933"N	103°57'24.4591"W	0.38	0.33	15.86	
8373.00	1.670	304.390	8251.42	520.20	-458.14	833.82	657866.22	419085.45	32°09'5.7031"N	103°57'24.4806"W	0.93	0.83	19.68	
8468.00	2.300	304.160	8346.37	518.15	-456.29	831.11	657863.50	419087.30	32°09'5.7215"N	103°57'24.5121"W	0.66	0.66	-0.24	
8563.00	2.550	307.930	8441.28	515.54	-453.92	827.86	657860.26	419089.67	32°09'5.7451"N	103°57'24.5498"W	0.31	0.26	3.97	
8657.00	2.570	313.860	8535.19	512.56	-451.17	824.69	657857.09	419092.41	32°09'5.7724"N	103°57'24.5865"W	0.28	0.02	6.31	
8752.00	2.360	323.580	8630.10	509.32	-448.12	821.99	657854.39	419095.46	32°09'5.8026"N	103°57'24.6177"W	0.49	-0.22	10.23	
8847.00	2.130	327.970	8725.03	506.09	-445.05	819.90	657852.29	419098.53	32°09'5.8331"N	103°57'24.6420"W	0.30	-0.24	4.62	
8889.00	2.040	325.710	8767.00	504.76	-443.77	819.06	657851.46	419099.81	32°09'5.8458"N	103°57'24.6517"W	0.29	-0.21	-5.38	
8970.00	0.800	290.070	8847.97	503.27	-442.39	817.72	657850.12	419101.20	32°09'5.8595"N	103°57'24.6673"W	1.81	-1.53	-44.00	
9065.00	10.200	179.980	8942.48	511.41	-450.59	817.10	657849.49	419092.99	32°09'5.7783"N	103°57'24.6748"W	11.05	9.89	-115.88	
9159.00	18.890	191.060	9033.40	534.42	-473.90	814.17	657846.57	419069.69	32°09'5.5478"N	103°57'24.7098"W	9.67	9.24	11.79	
9254.00	30.030	190.060	9119.74	572.39	-512.52	807.05	657839.45	419031.07	32°09'5.1659"N	103°57'24.7942"W	11.73	11.73	-1.05	
9349.00	34.250	188.750	9200.16	621.47	-562.37	798.83	657831.22	418981.22	32°09'4.6729"N	103°57'24.8919"W	4.50	4.44	-1.38	
9444.00	36.910	180.420	9277.46	675.98	-617.36	794.55	657826.95	418926.24	32°09'4.1289"N	103°57'24.9439"W	5.81	2.80	-8.77	
9539.00	45.980	179.810	9348.60	738.60	-680.18	794.45	657826.85	418863.43	32°09'3.5074"N	103°57'24.9475"W	9.56	9.55	-0.64	
9634.00	56.250	180.130	9408.16	812.24	-754.03	794.48	657826.87	418789.58	32°09'2.7766"N	103°57'24.9503"W	10.81	10.81	0.34	
9729.00	64.200	178.240	9455.30	894.47	-836.40	795.70	657828.10	418707.21	32°09'1.9614"N	103°57'24.9394"W	8.54	8.37	-1.99	
9824.00	70.910	176.320	9491.55	982.19	-924.05	799.90	657832.30	418619.57	32°09'1.0940"N	103°57'24.8941"W	7.31	7.06	-2.02	
9919.00	78.280	176.600	9516.77	1073.70	-1015.40	805.55	657837.95	418528.23	32°09'0.1899"N	103°57'24.8321"W	7.76	7.76	0.29	
10010.00	83.510	177.800	9531.17	1163.49	-1105.11	809.93	657842.33	418438.52	32°08'59.3020"N	103°57'24.7848"W	5.89	5.75	1.32	
10024.00	84.060	177.730	9532.68	1177.40	-1119.02	810.47	657842.87	418424.62	32°08'59.1644"N	103°57'24.7791"W	3.96	3.93	-0.50	
10038.00	84.600	177.690	9534.07	1191.32	-1132.94	811.03	657843.43	418410.70	32°08'59.0266"N	103°57'24.7732"W	3.87	3.86	-0.29	
10052.00	85.280	177.720	9535.30	1205.26	-1146.87	811.59	657843.98	418396.76	32°08'58.8887"N	103°57'24.7672"W	4.86	4.86	0.21	
10066.00	86.130	177.890	9536.35	1219.21	-1160.83	812.12	657844.52	418382.81	32°08'58.7506"N	103°57'24.7616"W	6.19	6.07	1.21	
10080.00	87.220	178.300	9537.16	1233.17	-1174.79	812.59	657844.98	418368.85	32°08'58.6124"N	103°57'24.7567"W	8.32	7.79	2.93	6-3/4" BKR Lucida MWD Surveys 10080'-19801'
10093.57	88.650	179.120	9537.65	1246.71	-1188.35	812.89	657845.29	418355.29	32°08'58.4782"N	103°57'24.7537"W	12.15	10.54	6.04	
10107.14	89.180	179.480	9537.91	1260.25	-1201.92	813.06	657845.45	418341.73	32°08'58.3440"N	103°57'24.7524"W	4.72	3.91	2.65	
10120.71	89.050	179.470	9538.12	1273.79	-1215.49	813.18	657845.58	418328.16	32°08'58.2097"N	103°57'24.7515"W	0.96	-0.96	-0.07	
10134.29	89.110	179.520	9538.34	1287.34	-1229.06	813.30	657845.70	418314.58	32°08'58.0754"N	103°57'24.7506"W	0.58	0.44	0.37	
10147.86	89.440	179.710	9538.51	1300.87	-1242.63	813.39	657845.79	418301.01	32°08'57.9411"N	103°57'24.7501"W	2.81	2.43	1.40	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
10161.43	89.810	179.930	9538.60	1314.41	-1256.20	813.43	657845.83	418287.45	32°08'57.8068"N	103°57'24.7502"W	3.17	2.73	1.62	
10175.00	89.640	179.880	9538.66	1327.94	-1269.77	813.46	657845.85	418273.88	32°08'57.6725"N	103°57'24.7505"W	1.31	-1.25	-0.37	
10188.57	89.480	179.740	9538.77	1341.47	-1283.34	813.50	657845.90	418260.31	32°08'57.5383"N	103°57'24.7505"W	1.57	-1.18	-1.03	
10202.14	89.320	179.720	9538.91	1355.01	-1296.91	813.57	657845.96	418246.74	32°08'57.4040"N	103°57'24.7503"W	1.19	-1.18	-0.15	
10215.71	89.190	179.870	9539.08	1368.54	-1310.48	813.61	657846.01	418233.17	32°08'57.2697"N	103°57'24.7503"W	1.46	-0.96	1.11	
10229.29	89.230	180.130	9539.27	1382.08	-1324.06	813.61	657846.01	418219.60	32°08'57.1354"N	103°57'24.7508"W	1.94	0.29	1.91	
10242.86	89.770	180.460	9539.39	1395.60	-1337.63	813.54	657845.94	418206.03	32°08'57.0011"N	103°57'24.7522"W	4.66	3.98	2.43	
10256.43	90.320	180.810	9539.38	1409.12	-1351.20	813.39	657845.79	418192.46	32°08'56.8668"N	103°57'24.7545"W	4.80	4.05	2.58	
10270.00	90.540	181.030	9539.28	1422.63	-1364.76	813.18	657845.57	418178.89	32°08'56.7326"N	103°57'24.7576"W	2.29	1.62	1.62	
10283.57	90.200	180.930	9539.19	1436.14	-1378.33	812.94	657845.34	418165.33	32°08'56.5983"N	103°57'24.7608"W	2.61	-2.51	-0.74	
10297.14	90.310	180.600	9539.13	1449.66	-1391.90	812.76	657845.16	418151.76	32°08'56.4641"N	103°57'24.7635"W	2.56	0.81	-2.43	
10310.71	90.500	180.330	9539.03	1463.18	-1405.47	812.65	657845.05	418138.19	32°08'56.3298"N	103°57'24.7653"W	2.43	1.40	-1.99	
10324.29	90.670	180.080	9538.89	1476.72	-1419.05	812.60	657845.00	418124.61	32°08'56.1954"N	103°57'24.7665"W	2.23	1.25	-1.84	
10337.86	90.500	179.920	9538.76	1490.25	-1432.62	812.60	657845.00	418111.04	32°08'56.0612"N	103°57'24.7670"W	1.72	-1.25	-1.18	
10351.43	90.400	179.760	9538.65	1503.78	-1446.19	812.64	657845.04	418097.48	32°08'55.9269"N	103°57'24.7671"W	1.39	-0.74	-1.18	
10365.00	90.120	179.660	9538.59	1517.32	-1459.76	812.71	657845.11	418083.91	32°08'55.7926"N	103°57'24.7669"W	2.19	-2.06	-0.74	
10379.62	90.000	179.380	9538.57	1531.90	-1474.38	812.83	657845.23	418069.29	32°08'55.6480"N	103°57'24.7660"W	2.08	-0.82	-1.92	
10394.23	90.190	179.250	9538.55	1546.48	-1488.98	813.01	657845.41	418054.68	32°08'55.5034"N	103°57'24.7646"W	1.58	1.30	-0.89	
10408.85	90.480	179.270	9538.46	1561.07	-1503.60	813.20	657845.59	418040.06	32°08'55.3587"N	103°57'24.7630"W	1.99	1.98	0.14	
10423.46	90.510	178.770	9538.34	1575.66	-1518.21	813.45	657845.84	418025.46	32°08'55.2142"N	103°57'24.7607"W	3.43	0.21	-3.42	
10438.08	90.400	178.360	9538.22	1590.26	-1532.83	813.81	657846.21	418010.84	32°08'55.0696"N	103°57'24.7570"W	2.90	-0.75	-2.80	
10452.69	90.220	177.970	9538.14	1604.85	-1547.43	814.28	657846.68	417996.24	32°08'54.9250"N	103°57'24.7522"W	2.94	-1.23	-2.67	
10467.31	90.150	177.560	9538.09	1619.46	-1562.04	814.85	657847.25	417981.63	32°08'54.7805"N	103°57'24.7461"W	2.84	-0.48	-2.80	
10481.92	90.080	177.140	9538.07	1634.07	-1576.63	815.53	657847.92	417967.04	32°08'54.6360"N	103°57'24.7389"W	2.91	-0.48	-2.87	
10496.54	90.070	176.680	9538.05	1648.68	-1591.23	816.31	657848.71	417952.44	32°08'54.4915"N	103°57'24.7303"W	3.15	-0.07	-3.15	
10511.15	90.020	176.300	9538.03	1663.29	-1605.81	817.21	657849.61	417937.86	32°08'54.3472"N	103°57'24.7205"W	2.62	-0.34	-2.60	
10525.77	90.100	176.310	9538.02	1677.91	-1620.40	818.15	657850.55	417923.27	32°08'54.2028"N	103°57'24.7101"W	0.55	0.55	0.07	
10540.38	90.070	176.340	9538.00	1692.52	-1634.98	819.09	657851.48	417908.70	32°08'54.0585"N	103°57'24.6998"W	0.29	-0.21	0.21	
10555.00	90.110	176.340	9537.97	1707.14	-1649.57	820.02	657852.42	417894.11	32°08'53.9141"N	103°57'24.6896"W	0.27	0.27	0.00	
10568.43	90.160	176.600	9537.94	1720.57	-1662.98	820.85	657853.24	417880.70	32°08'53.7814"N	103°57'24.6805"W	1.97	0.37	1.94	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
10581.86	90.280	176.950	9537.89	1733.99	-1676.38	821.60	657854.00	417867.30	32°08'53.6487"N	103°57'24.6723"W	2.76	0.89	2.61	
10595.29	90.450	177.340	9537.81	1747.42	-1689.80	822.27	657854.67	417853.88	32°08'53.5160"N	103°57'24.6650"W	3.17	1.27	2.90	
10608.71	90.660	177.770	9537.68	1760.83	-1703.21	822.84	657855.24	417840.48	32°08'53.3833"N	103°57'24.6589"W	3.57	1.56	3.20	
10622.14	90.580	178.030	9537.53	1774.25	-1716.63	823.34	657855.73	417827.06	32°08'53.2505"N	103°57'24.6537"W	2.03	-0.60	1.94	
10635.57	90.410	178.240	9537.41	1787.67	-1730.05	823.77	657856.17	417813.64	32°08'53.1177"N	103°57'24.6492"W	2.01	-1.27	1.56	
10649.00	90.240	178.440	9537.34	1801.08	-1743.47	824.16	657856.56	417800.21	32°08'52.9848"N	103°57'24.6452"W	1.95	-1.27	1.49	
10662.43	89.900	178.510	9537.32	1814.50	-1756.90	824.52	657856.92	417786.79	32°08'52.8520"N	103°57'24.6416"W	2.58	-2.53	0.52	
10675.86	90.020	178.860	9537.33	1827.91	-1770.32	824.83	657857.22	417773.36	32°08'52.7191"N	103°57'24.6386"W	2.76	0.89	2.61	
10689.29	90.340	179.110	9537.29	1841.31	-1783.75	825.07	657857.46	417759.94	32°08'52.5862"N	103°57'24.6363"W	3.02	2.38	1.86	
10702.71	90.630	179.360	9537.18	1854.71	-1797.17	825.25	657857.64	417746.52	32°08'52.4534"N	103°57'24.6348"W	2.85	2.16	1.86	
10716.14	90.310	179.580	9537.07	1868.11	-1810.60	825.37	657857.77	417733.09	32°08'52.3205"N	103°57'24.6339"W	2.89	-2.38	1.64	
10729.57	90.090	179.930	9537.02	1881.50	-1824.03	825.43	657857.82	417719.66	32°08'52.1876"N	103°57'24.6338"W	3.08	-1.64	2.61	
10743.00	89.930	180.300	9537.02	1894.89	-1837.46	825.40	657857.80	417706.23	32°08'52.0548"N	103°57'24.6346"W	3.00	-1.19	2.76	
10756.43	89.930	180.500	9537.03	1908.27	-1850.89	825.31	657857.70	417692.81	32°08'51.9219"N	103°57'24.6363"W	1.49	0.00	1.49	
10769.86	89.960	180.660	9537.05	1921.65	-1864.32	825.17	657857.57	417679.38	32°08'51.7890"N	103°57'24.6384"W	1.21	0.22	1.19	
10783.29	90.010	180.810	9537.05	1935.03	-1877.75	825.00	657857.39	417665.95	32°08'51.6561"N	103°57'24.6410"W	1.18	0.37	1.12	
10796.71	90.100	180.970	9537.04	1948.39	-1891.16	824.79	657857.19	417652.53	32°08'51.5233"N	103°57'24.6439"W	1.37	0.67	1.19	
10810.14	90.080	181.090	9537.01	1961.77	-1904.59	824.55	657856.94	417639.11	32°08'51.3905"N	103°57'24.6473"W	0.91	-0.15	0.89	
10823.57	90.090	181.300	9536.99	1975.13	-1918.02	824.27	657856.66	417625.68	32°08'51.2576"N	103°57'24.6511"W	1.57	0.07	1.56	
10837.00	90.290	181.600	9536.95	1988.49	-1931.44	823.93	657856.32	417612.25	32°08'51.1248"N	103°57'24.6556"W	2.68	1.49	2.23	
10850.57	90.650	181.950	9536.84	2001.98	-1945.01	823.51	657855.90	417598.69	32°08'50.9906"N	103°57'24.6610"W	3.70	2.65	2.58	
10864.14	91.030	182.350	9536.64	2015.47	-1958.57	823.00	657855.40	417585.14	32°08'50.8564"N	103°57'24.6675"W	4.07	2.80	2.95	
10877.71	91.270	182.570	9536.37	2028.94	-1972.12	822.42	657854.81	417571.58	32°08'50.7223"N	103°57'24.6748"W	2.40	1.77	1.62	
10891.29	91.490	182.320	9536.04	2042.42	-1985.69	821.84	657854.23	417558.02	32°08'50.5881"N	103°57'24.6821"W	2.45	1.62	-1.84	
10904.86	91.780	182.300	9535.65	2055.89	-1999.24	821.29	657853.69	417544.47	32°08'50.4540"N	103°57'24.6890"W	2.14	2.14	-0.15	
10918.43	91.630	182.090	9535.25	2069.37	-2012.79	820.77	657853.17	417530.91	32°08'50.3199"N	103°57'24.6956"W	1.90	-1.11	-1.55	
10932.00	91.830	182.220	9534.84	2082.84	-2026.35	820.26	657852.66	417517.36	32°08'50.1858"N	103°57'24.7021"W	1.76	1.47	0.96	
10945.43	92.130	182.440	9534.38	2096.17	-2039.76	819.72	657852.11	417503.95	32°08'50.0532"N	103°57'24.7090"W	2.77	2.23	1.64	
10958.86	92.360	182.600	9533.85	2109.50	-2053.16	819.13	657851.52	417490.54	32°08'49.9205"N	103°57'24.7164"W	2.09	1.71	1.19	
10972.29	92.570	182.650	9533.27	2122.81	-2066.57	818.51	657850.91	417477.14	32°08'49.7879"N	103°57'24.7241"W	1.61	1.56	0.37	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
10985.71	92.830	182.750	9532.64	2136.12	-2079.96	817.88	657850.28	417463.75	32°08'49.6554"N	103°57'24.7320"W	2.08	1.94	0.75	
10999.14	92.870	182.620	9531.97	2149.43	-2093.36	817.25	657849.65	417450.36	32°08'49.5229"N	103°57'24.7398"W	1.01	0.30	-0.97	
11012.57	93.040	182.580	9531.28	2162.74	-2106.76	816.64	657849.04	417436.96	32°08'49.3903"N	103°57'24.7474"W	1.30	1.27	-0.30	
11026.00	93.260	182.590	9530.54	2176.05	-2120.15	816.04	657848.44	417423.56	32°08'49.2578"N	103°57'24.7550"W	1.64	1.64	0.07	
11040.38	93.390	182.660	9529.71	2190.30	-2134.49	815.38	657847.78	417409.22	32°08'49.1159"N	103°57'24.7633"W	1.03	0.90	0.49	
11054.77	93.310	182.760	9528.87	2204.56	-2148.84	814.70	657847.10	417394.88	32°08'48.9739"N	103°57'24.7717"W	0.89	-0.56	0.69	
11069.15	92.850	182.540	9528.09	2218.81	-2163.19	814.04	657846.43	417380.53	32°08'48.8320"N	103°57'24.7800"W	3.54	-3.20	-1.53	
11083.54	92.320	182.310	9527.45	2233.09	-2177.55	813.43	657845.83	417366.17	32°08'48.6899"N	103°57'24.7877"W	4.01	-3.68	-1.60	
11097.92	91.770	182.070	9526.93	2247.36	-2191.91	812.88	657845.28	417351.81	32°08'48.5478"N	103°57'24.7947"W	4.17	-3.82	-1.67	
11112.31	91.340	181.900	9526.54	2261.66	-2206.28	812.38	657844.78	417337.44	32°08'48.4056"N	103°57'24.8011"W	3.21	-2.99	-1.18	
11126.69	91.270	181.850	9526.21	2275.95	-2220.65	811.91	657844.31	417323.07	32°08'48.2634"N	103°57'24.8071"W	0.60	-0.49	-0.35	
11141.08	91.200	181.790	9525.90	2290.25	-2235.03	811.45	657843.85	417308.69	32°08'48.1212"N	103°57'24.8130"W	0.64	-0.49	-0.42	
11155.46	91.200	181.800	9525.60	2304.55	-2249.40	811.00	657843.40	417294.32	32°08'47.9790"N	103°57'24.8188"W	0.07	0.00	0.07	
11169.85	91.230	181.780	9525.30	2318.85	-2263.78	810.56	657842.95	417279.94	32°08'47.8367"N	103°57'24.8246"W	0.25	0.21	-0.14	
11184.23	91.280	181.750	9524.98	2333.15	-2278.15	810.11	657842.51	417265.58	32°08'47.6945"N	103°57'24.8304"W	0.41	0.35	-0.21	
11198.62	91.150	181.740	9524.68	2347.45	-2292.53	809.67	657842.07	417251.20	32°08'47.5523"N	103°57'24.8361"W	0.91	-0.90	-0.07	
11213.00	91.000	181.740	9524.41	2361.75	-2306.90	809.24	657841.63	417236.83	32°08'47.4101"N	103°57'24.8417"W	1.04	-1.04	0.00	
11226.29	90.830	181.700	9524.20	2374.96	-2320.18	808.84	657841.24	417223.55	32°08'47.2787"N	103°57'24.8469"W	1.31	-1.28	-0.30	
11239.57	90.450	181.580	9524.05	2388.17	-2333.46	808.46	657840.86	417210.27	32°08'47.1473"N	103°57'24.8519"W	3.00	-2.86	-0.90	
11252.86	90.230	181.450	9523.97	2401.39	-2346.74	808.11	657840.50	417196.99	32°08'47.0159"N	103°57'24.8565"W	1.92	-1.66	-0.98	
11266.14	90.130	181.360	9523.93	2414.60	-2360.02	807.78	657840.18	417183.71	32°08'46.8845"N	103°57'24.8608"W	1.01	-0.75	-0.68	
11279.43	89.320	181.150	9523.99	2427.83	-2373.31	807.49	657839.89	417170.43	32°08'46.7531"N	103°57'24.8647"W	6.30	-6.09	-1.58	
11292.71	88.790	181.030	9524.21	2441.04	-2386.58	807.24	657839.64	417157.15	32°08'46.6217"N	103°57'24.8682"W	4.09	-3.99	-0.90	
11306.00	88.690	181.000	9524.50	2454.27	-2399.87	807.00	657839.40	417143.87	32°08'46.4902"N	103°57'24.8715"W	0.79	-0.75	-0.23	
11319.57	88.730	180.940	9524.81	2467.78	-2413.43	806.77	657839.17	417130.31	32°08'46.3560"N	103°57'24.8747"W	0.53	0.29	-0.44	
11333.14	88.770	180.900	9525.10	2481.29	-2427.00	806.56	657838.95	417116.74	32°08'46.2218"N	103°57'24.8778"W	0.42	0.29	-0.29	
11346.71	88.850	180.860	9525.39	2494.80	-2440.56	806.35	657838.74	417103.18	32°08'46.0876"N	103°57'24.8808"W	0.66	0.59	-0.29	
11360.29	88.950	180.810	9525.65	2508.32	-2454.14	806.15	657838.55	417089.60	32°08'45.9533"N	103°57'24.8836"W	0.82	0.74	-0.37	
11373.86	89.060	180.800	9525.88	2521.83	-2467.70	805.96	657838.36	417076.04	32°08'45.8190"N	103°57'24.8864"W	0.81	0.81	-0.07	
11387.43	89.160	180.790	9526.09	2535.35	-2481.27	805.77	657838.17	417062.47	32°08'45.6848"N	103°57'24.8891"W	0.74	0.74	-0.07	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11401.00	89.220	180.750	9526.28	2548.86	-2494.84	805.59	657837.99	417048.91	32°08'45.5505"N	103°57'24.8918"W	0.53	0.44	-0.29	
11414.43	89.300	180.790	9526.46	2562.24	-2508.27	805.41	657837.80	417035.48	32°08'45.4177"N	103°57'24.8945"W	0.67	0.60	0.30	
11427.86	89.390	180.840	9526.61	2575.61	-2521.69	805.22	657837.61	417022.05	32°08'45.2848"N	103°57'24.8972"W	0.77	0.67	0.37	
11441.29	89.460	180.860	9526.75	2588.98	-2535.12	805.02	657837.41	417008.63	32°08'45.1519"N	103°57'24.9001"W	0.54	0.52	0.15	
11454.71	89.500	180.880	9526.87	2602.35	-2548.54	804.81	657837.21	416995.21	32°08'45.0192"N	103°57'24.9030"W	0.33	0.30	0.15	
11468.14	89.550	180.920	9526.98	2615.72	-2561.97	804.60	657837.00	416981.78	32°08'44.8863"N	103°57'24.9060"W	0.48	0.37	0.30	
11481.57	89.590	180.940	9527.08	2629.09	-2575.40	804.38	657836.78	416968.35	32°08'44.7534"N	103°57'24.9091"W	0.33	0.30	0.15	
11495.00	89.620	180.940	9527.17	2642.47	-2588.82	804.16	657836.56	416954.93	32°08'44.6206"N	103°57'24.9122"W	0.22	0.22	0.00	
11508.43	89.630	180.920	9527.26	2655.84	-2602.25	803.95	657836.34	416941.50	32°08'44.4877"N	103°57'24.9153"W	0.17	0.07	-0.15	
11521.86	89.630	180.890	9527.35	2669.21	-2615.68	803.73	657836.13	416928.07	32°08'44.3548"N	103°57'24.9183"W	0.22	0.00	-0.22	
11535.29	89.640	180.880	9527.43	2682.59	-2629.11	803.53	657835.92	416914.65	32°08'44.2220"N	103°57'24.9212"W	0.11	0.07	-0.07	
11548.71	89.640	180.860	9527.52	2695.95	-2642.53	803.32	657835.72	416901.23	32°08'44.0892"N	103°57'24.9242"W	0.15	0.00	-0.15	
11562.14	89.640	180.830	9527.60	2709.32	-2655.95	803.12	657835.52	416887.80	32°08'43.9563"N	103°57'24.9270"W	0.22	0.00	-0.22	
11575.57	89.640	180.800	9527.69	2722.70	-2669.38	802.93	657835.33	416874.38	32°08'43.8235"N	103°57'24.9298"W	0.22	0.00	-0.22	
11589.00	89.660	180.790	9527.77	2736.07	-2682.81	802.75	657835.15	416860.95	32°08'43.6906"N	103°57'24.9325"W	0.17	0.15	-0.07	
11602.57	89.710	180.750	9527.84	2749.59	-2696.38	802.57	657834.96	416847.38	32°08'43.5563"N	103°57'24.9352"W	0.47	0.37	-0.29	
11616.14	89.750	180.700	9527.91	2763.11	-2709.95	802.39	657834.79	416833.81	32°08'43.4221"N	103°57'24.9377"W	0.47	0.29	-0.37	
11629.71	89.790	180.660	9527.96	2776.62	-2723.52	802.23	657834.63	416820.24	32°08'43.2878"N	103°57'24.9401"W	0.42	0.29	-0.29	
11643.29	89.820	180.610	9528.01	2790.15	-2737.10	802.08	657834.48	416806.67	32°08'43.1535"N	103°57'24.9424"W	0.43	0.22	-0.37	
11656.86	89.840	180.570	9528.05	2803.67	-2750.67	801.94	657834.34	416793.10	32°08'43.0192"N	103°57'24.9446"W	0.33	0.15	-0.29	
11670.43	89.910	180.550	9528.08	2817.19	-2764.23	801.81	657834.21	416779.53	32°08'42.8849"N	103°57'24.9467"W	0.54	0.52	-0.15	
11684.00	89.930	180.500	9528.10	2830.71	-2777.80	801.69	657834.08	416765.96	32°08'42.7507"N	103°57'24.9487"W	0.40	0.15	-0.37	
11697.57	89.900	180.470	9528.12	2844.23	-2791.37	801.57	657833.97	416752.39	32°08'42.6164"N	103°57'24.9506"W	0.31	-0.22	-0.22	
11711.14	89.920	180.460	9528.14	2857.75	-2804.94	801.46	657833.86	416738.82	32°08'42.4821"N	103°57'24.9524"W	0.16	0.15	-0.07	
11724.71	89.940	180.430	9528.15	2871.28	-2818.51	801.35	657833.75	416725.26	32°08'42.3479"N	103°57'24.9542"W	0.27	0.15	-0.22	
11738.29	89.950	180.410	9528.17	2884.81	-2832.09	801.26	657833.65	416711.68	32°08'42.2135"N	103°57'24.9559"W	0.16	0.07	-0.15	
11751.86	89.970	180.400	9528.18	2898.33	-2845.66	801.16	657833.56	416698.11	32°08'42.0792"N	103°57'24.9576"W	0.16	0.15	-0.07	
11765.43	89.990	180.380	9528.18	2911.86	-2859.23	801.07	657833.46	416684.54	32°08'41.9449"N	103°57'24.9592"W	0.21	0.15	-0.15	
11779.00	89.980	180.350	9528.18	2925.38	-2872.80	800.98	657833.38	416670.97	32°08'41.8107"N	103°57'24.9608"W	0.23	-0.07	-0.22	
11792.57	90.000	180.300	9528.19	2938.90	-2886.37	800.90	657833.30	416657.40	32°08'41.6764"N	103°57'24.9622"W	0.40	0.15	-0.37	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11806.14	90.050	180.270	9528.18	2952.43	-2899.94	800.84	657833.23	416643.83	32°08'41.5421"N	103°57'24.9635"W	0.43	0.37	-0.22	
11819.71	90.080	180.190	9528.17	2965.96	-2913.51	800.78	657833.18	416630.27	32°08'41.4078"N	103°57'24.9647"W	0.63	0.22	-0.59	
11833.29	90.100	180.130	9528.14	2979.49	-2927.09	800.74	657833.14	416616.69	32°08'41.2735"N	103°57'24.9657"W	0.47	0.15	-0.44	
11846.86	90.120	180.090	9528.12	2993.02	-2940.66	800.72	657833.12	416603.12	32°08'41.1392"N	103°57'24.9666"W	0.33	0.15	-0.29	
11860.43	90.120	180.050	9528.09	3006.55	-2954.23	800.70	657833.10	416589.55	32°08'41.0049"N	103°57'24.9673"W	0.29	0.00	-0.29	
11874.00	90.100	180.020	9528.06	3020.08	-2967.80	800.69	657833.09	416575.98	32°08'40.8706"N	103°57'24.9680"W	0.27	-0.15	-0.22	
11887.57	90.070	180.030	9528.04	3033.61	-2981.37	800.69	657833.08	416562.41	32°08'40.7364"N	103°57'24.9686"W	0.23	-0.22	0.07	
11901.14	90.020	180.050	9528.03	3047.14	-2994.94	800.68	657833.08	416548.84	32°08'40.6021"N	103°57'24.9693"W	0.40	-0.37	0.15	
11914.71	89.980	180.080	9528.03	3060.67	-3008.51	800.66	657833.06	416535.27	32°08'40.4678"N	103°57'24.9700"W	0.37	-0.29	0.22	
11928.29	89.930	180.110	9528.04	3074.21	-3022.09	800.64	657833.04	416521.69	32°08'40.3334"N	103°57'24.9708"W	0.43	-0.37	0.22	
11941.86	89.900	180.140	9528.06	3087.74	-3035.66	800.61	657833.01	416508.13	32°08'40.1992"N	103°57'24.9717"W	0.31	-0.22	0.22	
11955.43	89.840	180.150	9528.09	3101.27	-3049.23	800.58	657832.97	416494.56	32°08'40.0649"N	103°57'24.9726"W	0.45	-0.44	0.07	
11969.00	89.820	180.180	9528.14	3114.80	-3062.80	800.54	657832.93	416480.99	32°08'39.9306"N	103°57'24.9736"W	0.27	-0.15	0.22	
11982.43	89.830	180.200	9528.18	3128.18	-3076.23	800.49	657832.89	416467.56	32°08'39.7977"N	103°57'24.9747"W	0.17	0.07	0.15	
11995.86	89.850	180.210	9528.21	3141.57	-3089.66	800.44	657832.84	416454.13	32°08'39.6648"N	103°57'24.9758"W	0.17	0.15	0.07	
12009.29	89.880	180.220	9528.25	3154.96	-3103.09	800.39	657832.79	416440.70	32°08'39.5319"N	103°57'24.9770"W	0.24	0.22	0.07	
12022.71	89.910	180.230	9528.27	3168.33	-3116.51	800.34	657832.74	416427.28	32°08'39.3991"N	103°57'24.9781"W	0.24	0.22	0.07	
12036.14	89.930	180.230	9528.29	3181.72	-3129.94	800.29	657832.68	416413.85	32°08'39.2663"N	103°57'24.9793"W	0.15	0.15	0.00	
12049.57	89.930	180.230	9528.30	3195.11	-3143.37	800.23	657832.63	416400.42	32°08'39.1334"N	103°57'24.9805"W	0.00	0.00	0.00	
12063.00	89.930	180.210	9528.32	3208.50	-3156.80	800.18	657832.58	416387.00	32°08'39.0005"N	103°57'24.9816"W	0.15	0.00	-0.15	
12076.57	89.900	180.210	9528.34	3222.02	-3170.37	800.13	657832.53	416373.43	32°08'38.8662"N	103°57'24.9827"W	0.22	-0.22	0.00	
12090.14	89.850	180.210	9528.37	3235.55	-3183.94	800.08	657832.48	416359.86	32°08'38.7319"N	103°57'24.9839"W	0.37	-0.37	0.00	
12103.71	89.780	180.200	9528.41	3249.08	-3197.51	800.03	657832.43	416346.29	32°08'38.5976"N	103°57'24.9850"W	0.52	-0.52	-0.07	
12117.29	89.690	180.190	9528.48	3262.61	-3211.09	799.99	657832.38	416332.71	32°08'38.4633"N	103°57'24.9861"W	0.67	-0.66	-0.07	
12130.86	89.610	180.170	9528.56	3276.14	-3224.66	799.94	657832.34	416319.14	32°08'38.3290"N	103°57'24.9871"W	0.61	-0.59	-0.15	
12144.43	89.580	180.100	9528.66	3289.67	-3238.23	799.91	657832.31	416305.57	32°08'38.1947"N	103°57'24.9880"W	0.56	-0.22	-0.52	
12158.00	89.490	180.060	9528.77	3303.20	-3251.80	799.89	657832.29	416292.00	32°08'38.0605"N	103°57'24.9888"W	0.73	-0.66	-0.29	
12171.57	89.410	180.020	9528.90	3316.73	-3265.37	799.88	657832.28	416278.44	32°08'37.9262"N	103°57'24.9895"W	0.66	-0.59	-0.29	
12185.14	89.350	180.110	9529.04	3330.26	-3278.94	799.87	657832.27	416264.87	32°08'37.7919"N	103°57'24.9902"W	0.80	-0.44	0.66	
12198.71	89.280	180.190	9529.21	3343.78	-3292.50	799.83	657832.23	416251.30	32°08'37.6577"N	103°57'24.9912"W	0.78	-0.52	0.59	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12212.29	89.220	180.250	9529.38	3357.32	-3306.08	799.78	657832.18	416237.72	32°08'37.5233"N	103°57'24.9923"W	0.62	-0.44	0.44	
12225.86	89.170	180.220	9529.57	3370.84	-3319.65	799.73	657832.12	416224.16	32°08'37.3890"N	103°57'24.9935"W	0.43	-0.37	-0.22	
12239.43	89.120	180.190	9529.78	3384.37	-3333.22	799.68	657832.07	416210.59	32°08'37.2548"N	103°57'24.9946"W	0.43	-0.37	-0.22	
12253.00	89.080	180.180	9529.99	3397.89	-3346.79	799.63	657832.03	416197.02	32°08'37.1205"N	103°57'24.9957"W	0.30	-0.29	-0.07	
12266.57	89.100	180.160	9530.21	3411.42	-3360.36	799.59	657831.99	416183.45	32°08'36.9862"N	103°57'24.9967"W	0.21	0.15	-0.15	
12280.14	89.130	180.140	9530.42	3424.95	-3373.93	799.56	657831.96	416169.89	32°08'36.8520"N	103°57'24.9977"W	0.27	0.22	-0.15	
12293.71	89.170	180.130	9530.62	3438.47	-3387.49	799.53	657831.92	416156.32	32°08'36.7177"N	103°57'24.9986"W	0.30	0.29	-0.07	
12307.29	89.210	180.120	9530.81	3452.01	-3401.07	799.50	657831.89	416142.74	32°08'36.5834"N	103°57'24.9995"W	0.30	0.29	-0.07	
12320.86	89.300	180.080	9530.98	3465.54	-3414.64	799.47	657831.87	416129.17	32°08'36.4491"N	103°57'25.0003"W	0.73	0.66	-0.29	
12334.43	89.370	180.040	9531.14	3479.07	-3428.21	799.46	657831.86	416115.61	32°08'36.3148"N	103°57'25.0010"W	0.59	0.52	-0.29	
12348.00	89.410	180.030	9531.29	3492.60	-3441.78	799.45	657831.85	416102.04	32°08'36.1806"N	103°57'25.0017"W	0.30	0.29	-0.07	
12361.57	89.440	180.030	9531.42	3506.13	-3455.35	799.44	657831.84	416088.47	32°08'36.0463"N	103°57'25.0023"W	0.22	0.22	0.00	
12375.14	89.460	180.020	9531.55	3519.66	-3468.92	799.44	657831.83	416074.90	32°08'35.9120"N	103°57'25.0030"W	0.16	0.15	-0.07	
12388.71	89.410	179.970	9531.69	3533.19	-3482.49	799.44	657831.84	416061.33	32°08'35.7777"N	103°57'25.0035"W	0.52	-0.37	-0.37	
12402.29	89.370	179.920	9531.83	3546.73	-3496.07	799.45	657831.85	416047.75	32°08'35.6434"N	103°57'25.0039"W	0.47	-0.29	-0.37	
12415.86	89.380	179.920	9531.98	3560.26	-3509.64	799.47	657831.87	416034.19	32°08'35.5091"N	103°57'25.0042"W	0.07	0.07	0.00	
12429.43	89.400	179.920	9532.12	3573.79	-3523.21	799.49	657831.89	416020.62	32°08'35.3748"N	103°57'25.0046"W	0.15	0.15	0.00	
12443.00	89.410	179.910	9532.27	3587.32	-3536.77	799.51	657831.91	416007.05	32°08'35.2406"N	103°57'25.0049"W	0.10	0.07	-0.07	
12456.57	89.440	179.940	9532.40	3600.85	-3550.34	799.53	657831.92	415993.48	32°08'35.1063"N	103°57'25.0052"W	0.31	0.22	0.22	
12470.14	89.470	179.970	9532.53	3614.38	-3563.91	799.54	657831.94	415979.91	32°08'34.9720"N	103°57'25.0056"W	0.31	0.22	0.22	
12483.71	89.500	180.020	9532.65	3627.91	-3577.48	799.54	657831.94	415966.34	32°08'34.8377"N	103°57'25.0062"W	0.43	0.22	0.37	
12497.29	89.540	180.040	9532.77	3641.45	-3591.06	799.53	657831.93	415952.77	32°08'34.7034"N	103°57'25.0068"W	0.33	0.29	0.15	
12510.86	89.570	180.090	9532.87	3654.98	-3604.63	799.52	657831.91	415939.20	32°08'34.5691"N	103°57'25.0075"W	0.43	0.22	0.37	
12524.43	89.580	180.120	9532.97	3668.51	-3618.20	799.49	657831.89	415925.63	32°08'34.4348"N	103°57'25.0084"W	0.23	0.07	0.22	
12538.00	89.600	180.140	9533.07	3682.04	-3631.77	799.46	657831.86	415912.06	32°08'34.3006"N	103°57'25.0093"W	0.21	0.15	0.15	
12551.57	89.630	180.150	9533.16	3695.57	-3645.34	799.43	657831.82	415898.49	32°08'34.1663"N	103°57'25.0102"W	0.23	0.22	0.07	
12565.14	89.650	180.150	9533.25	3709.09	-3658.91	799.39	657831.79	415884.92	32°08'34.0320"N	103°57'25.0112"W	0.15	0.15	0.00	
12578.71	89.660	180.160	9533.33	3722.62	-3672.48	799.35	657831.75	415871.35	32°08'33.8977"N	103°57'25.0122"W	0.10	0.07	0.07	
12592.29	89.680	180.150	9533.41	3736.16	-3686.06	799.32	657831.71	415857.78	32°08'33.7634"N	103°57'25.0132"W	0.16	0.15	-0.07	
12605.86	89.700	180.130	9533.48	3749.69	-3699.63	799.28	657831.68	415844.21	32°08'33.6291"N	103°57'25.0141"W	0.21	0.15	-0.15	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12619.43	89.720	180.120	9533.55	3763.22	-3713.20	799.25	657831.65	415830.64	32°08'33.4948"N	103°57'25.0150"W	0.16	0.15	-0.07	
12633.00	89.750	180.110	9533.61	3776.74	-3726.77	799.23	657831.62	415817.07	32°08'33.3605"N	103°57'25.0159"W	0.23	0.22	-0.07	
12646.57	89.790	180.080	9533.66	3790.27	-3740.34	799.20	657831.60	415803.50	32°08'33.2263"N	103°57'25.0167"W	0.37	0.29	-0.22	
12660.14	89.810	180.050	9533.71	3803.80	-3753.91	799.19	657831.59	415789.93	32°08'33.0920"N	103°57'25.0174"W	0.27	0.15	-0.22	
12673.71	89.830	180.010	9533.75	3817.33	-3767.48	799.18	657831.58	415776.36	32°08'32.9577"N	103°57'25.0180"W	0.33	0.15	-0.29	
12687.29	89.850	179.970	9533.79	3830.87	-3781.06	799.18	657831.58	415762.78	32°08'32.8233"N	103°57'25.0186"W	0.33	0.15	-0.29	
12700.86	89.860	179.930	9533.83	3844.40	-3794.63	799.20	657831.59	415749.22	32°08'32.6891"N	103°57'25.0190"W	0.30	0.07	-0.29	
12714.43	89.860	179.900	9533.86	3857.94	-3808.20	799.22	657831.61	415735.65	32°08'32.5548"N	103°57'25.0193"W	0.22	0.00	-0.22	
12728.00	89.860	179.860	9533.89	3871.47	-3821.77	799.24	657831.64	415722.08	32°08'32.4205"N	103°57'25.0195"W	0.29	0.00	-0.29	
12741.43	89.840	179.820	9533.93	3884.86	-3835.20	799.28	657831.68	415708.65	32°08'32.2876"N	103°57'25.0196"W	0.33	-0.15	-0.30	
12754.86	89.810	179.790	9533.97	3898.26	-3848.63	799.33	657831.73	415695.22	32°08'32.1547"N	103°57'25.0197"W	0.32	-0.22	-0.22	
12768.29	89.770	179.770	9534.02	3911.65	-3862.06	799.38	657831.78	415681.79	32°08'32.0218"N	103°57'25.0196"W	0.33	-0.30	-0.15	
12781.71	89.710	179.750	9534.08	3925.04	-3875.48	799.44	657831.83	415668.37	32°08'31.8890"N	103°57'25.0195"W	0.47	-0.45	-0.15	
12795.14	89.650	179.730	9534.15	3938.43	-3888.91	799.50	657831.89	415654.94	32°08'31.7561"N	103°57'25.0193"W	0.47	-0.45	-0.15	
12808.57	89.590	179.710	9534.24	3951.83	-3902.34	799.56	657831.96	415641.52	32°08'31.6232"N	103°57'25.0191"W	0.47	-0.45	-0.15	
12822.00	89.520	179.660	9534.35	3965.23	-3915.77	799.64	657832.03	415628.09	32°08'31.4904"N	103°57'25.0188"W	0.64	-0.52	-0.37	
12835.57	89.460	179.660	9534.47	3978.76	-3929.34	799.72	657832.11	415614.52	32°08'31.3561"N	103°57'25.0184"W	0.44	-0.44	0.00	
12849.14	89.400	179.670	9534.60	3992.30	-3942.90	799.80	657832.19	415600.95	32°08'31.2218"N	103°57'25.0180"W	0.45	-0.44	0.07	
12862.71	89.350	179.690	9534.75	4005.83	-3956.47	799.87	657832.27	415587.38	32°08'31.0875"N	103°57'25.0177"W	0.40	-0.37	0.15	
12876.29	89.310	179.710	9534.91	4019.38	-3970.05	799.94	657832.34	415573.81	32°08'30.9532"N	103°57'25.0174"W	0.33	-0.29	0.15	
12889.86	89.270	179.720	9535.08	4032.91	-3983.62	800.01	657832.41	415560.24	32°08'30.8189"N	103°57'25.0172"W	0.30	-0.29	0.07	
12903.43	89.240	179.720	9535.26	4046.45	-3997.19	800.08	657832.47	415546.67	32°08'30.6846"N	103°57'25.0170"W	0.22	-0.22	0.00	
12917.00	89.240	179.720	9535.44	4059.98	-4010.76	800.14	657832.54	415533.10	32°08'30.5504"N	103°57'25.0168"W	0.00	0.00	0.00	
12930.57	89.260	179.710	9535.61	4073.52	-4024.33	800.21	657832.61	415519.53	32°08'30.4161"N	103°57'25.0165"W	0.16	0.15	-0.07	
12944.14	89.280	179.690	9535.79	4087.05	-4037.90	800.28	657832.68	415505.97	32°08'30.2818"N	103°57'25.0163"W	0.21	0.15	-0.15	
12957.71	89.320	179.670	9535.95	4100.59	-4051.47	800.36	657832.75	415492.40	32°08'30.1476"N	103°57'25.0159"W	0.33	0.29	-0.15	
12971.29	89.360	179.640	9536.11	4114.13	-4065.04	800.44	657832.84	415478.82	32°08'30.0132"N	103°57'25.0155"W	0.37	0.29	-0.22	
12984.86	89.400	179.610	9536.25	4127.67	-4078.61	800.53	657832.93	415465.25	32°08'29.8789"N	103°57'25.0150"W	0.37	0.29	-0.22	
12998.43	89.450	179.590	9536.39	4141.20	-4092.18	800.62	657833.02	415451.69	32°08'29.7447"N	103°57'25.0145"W	0.40	0.37	-0.15	
13012.00	89.500	179.560	9536.52	4154.74	-4105.75	800.72	657833.12	415438.12	32°08'29.6104"N	103°57'25.0139"W	0.43	0.37	-0.22	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
13025.57	89.550	179.530	9536.63	4168.28	-4119.32	800.83	657833.23	415424.55	32°08'29.4761"N	103°57'25.0132"W	0.43	0.37	-0.22	
13039.14	89.560	179.570	9536.73	4181.82	-4132.89	800.94	657833.34	415410.98	32°08'29.3418"N	103°57'25.0125"W	0.30	0.07	0.29	
13052.71	89.550	179.630	9536.84	4195.36	-4146.46	801.03	657833.43	415397.41	32°08'29.2076"N	103°57'25.0119"W	0.45	-0.07	0.44	
13066.29	89.600	179.610	9536.94	4208.90	-4160.04	801.12	657833.52	415383.83	32°08'29.0732"N	103°57'25.0114"W	0.40	0.37	-0.15	
13079.86	89.680	179.580	9537.02	4222.44	-4173.61	801.22	657833.62	415370.27	32°08'28.9389"N	103°57'25.0109"W	0.63	0.59	-0.22	
13093.43	89.760	179.530	9537.09	4235.98	-4187.18	801.32	657833.72	415356.70	32°08'28.8046"N	103°57'25.0102"W	0.70	0.59	-0.37	
13107.00	89.880	179.590	9537.13	4249.52	-4200.75	801.43	657833.83	415343.13	32°08'28.6704"N	103°57'25.0095"W	0.99	0.88	0.44	
13120.57	89.990	179.660	9537.15	4263.05	-4214.32	801.52	657833.91	415329.56	32°08'28.5361"N	103°57'25.0091"W	0.96	0.81	0.52	
13134.14	90.130	179.790	9537.13	4276.59	-4227.89	801.58	657833.98	415315.99	32°08'28.4018"N	103°57'25.0089"W	1.41	1.03	0.96	
13147.71	90.280	179.930	9537.09	4290.12	-4241.46	801.61	657834.01	415302.42	32°08'28.2675"N	103°57'25.0090"W	1.51	1.11	1.03	
13161.29	90.430	180.090	9537.00	4303.66	-4255.04	801.61	657834.01	415288.84	32°08'28.1331"N	103°57'25.0096"W	1.61	1.10	1.18	
13174.86	90.580	180.250	9536.88	4317.19	-4268.60	801.57	657833.97	415275.28	32°08'27.9989"N	103°57'25.0106"W	1.62	1.11	1.18	
13188.43	90.700	180.420	9536.73	4330.71	-4282.17	801.49	657833.89	415261.71	32°08'27.8646"N	103°57'25.0121"W	1.53	0.88	1.25	
13202.00	90.800	180.600	9536.55	4344.23	-4295.74	801.37	657833.77	415248.14	32°08'27.7304"N	103°57'25.0140"W	1.52	0.74	1.33	
13215.43	90.800	180.900	9536.37	4357.61	-4309.17	801.20	657833.59	415234.71	32°08'27.5975"N	103°57'25.0166"W	2.23	0.00	2.23	
13228.86	90.820	181.120	9536.18	4370.98	-4322.60	800.96	657833.36	415221.29	32°08'27.4646"N	103°57'25.0199"W	1.64	0.15	1.64	
13242.29	90.690	181.330	9536.00	4384.34	-4336.02	800.67	657833.07	415207.86	32°08'27.3318"N	103°57'25.0238"W	1.84	-0.97	1.56	
13255.71	90.690	181.540	9535.84	4397.69	-4349.44	800.34	657832.73	415194.45	32°08'27.1991"N	103°57'25.0283"W	1.56	0.00	1.56	
13269.14	90.760	181.580	9535.67	4411.05	-4362.86	799.97	657832.37	415181.03	32°08'27.0663"N	103°57'25.0331"W	0.60	0.52	0.30	
13282.57	90.740	181.660	9535.49	4424.41	-4376.28	799.59	657831.99	415167.61	32°08'26.9334"N	103°57'25.0380"W	0.61	-0.15	0.60	
13296.00	90.720	181.810	9535.32	4437.76	-4389.71	799.18	657831.58	415154.18	32°08'26.8006"N	103°57'25.0433"W	1.13	-0.15	1.12	
13309.57	90.700	181.840	9535.15	4451.25	-4403.27	798.75	657831.15	415140.62	32°08'26.6664"N	103°57'25.0489"W	0.27	-0.15	0.22	
13323.14	90.660	181.860	9534.99	4464.74	-4416.83	798.31	657830.71	415127.06	32°08'26.5323"N	103°57'25.0545"W	0.33	-0.29	0.15	
13336.71	90.630	181.860	9534.84	4478.23	-4430.39	797.87	657830.27	415113.50	32°08'26.3981"N	103°57'25.0602"W	0.22	-0.22	0.00	
13350.29	90.620	181.970	9534.69	4491.73	-4443.96	797.42	657829.82	415099.93	32°08'26.2638"N	103°57'25.0660"W	0.81	-0.07	0.81	
13363.86	90.550	181.980	9534.55	4505.21	-4457.53	796.95	657829.35	415086.37	32°08'26.1296"N	103°57'25.0720"W	0.52	-0.52	0.07	
13377.43	90.590	181.890	9534.42	4518.70	-4471.09	796.49	657828.89	415072.81	32°08'25.9954"N	103°57'25.0779"W	0.73	0.29	-0.66	
13391.00	90.630	181.790	9534.27	4532.19	-4484.65	796.06	657828.46	415059.25	32°08'25.8613"N	103°57'25.0835"W	0.79	0.29	-0.74	
13404.57	90.500	181.700	9534.14	4545.68	-4498.21	795.65	657828.04	415045.69	32°08'25.7271"N	103°57'25.0889"W	1.17	-0.96	-0.66	
13418.14	90.340	181.470	9534.04	4559.18	-4511.78	795.27	657827.67	415032.12	32°08'25.5929"N	103°57'25.0938"W	2.06	-1.18	-1.69	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
13431.71	90.160	181.280	9533.98	4572.68	-4525.34	794.94	657827.34	415018.56	32°08'25.4586"N	103°57'25.0981"W	1.93	-1.33	-1.40	
13445.29	89.990	181.030	9533.96	4586.20	-4538.92	794.67	657827.07	415004.98	32°08'25.3243"N	103°57'25.1019"W	2.23	-1.25	-1.84	
13458.86	90.060	180.680	9533.96	4599.71	-4552.49	794.47	657826.87	414991.41	32°08'25.1900"N	103°57'25.1048"W	2.63	0.52	-2.58	
13472.43	90.090	180.000	9533.94	4613.24	-4566.06	794.39	657826.79	414977.85	32°08'25.0558"N	103°57'25.1063"W	5.02	0.22	-5.01	
13486.00	90.160	180.000	9533.91	4626.77	-4579.63	794.39	657826.79	414964.28	32°08'24.9215"N	103°57'25.1068"W	0.52	0.52	0.00	
13499.57	90.090	180.030	9533.88	4640.30	-4593.20	794.38	657826.78	414950.71	32°08'24.7872"N	103°57'25.1074"W	0.56	-0.52	0.22	
13513.14	90.050	179.970	9533.86	4653.83	-4606.77	794.38	657826.78	414937.14	32°08'24.6529"N	103°57'25.1080"W	0.53	-0.29	-0.44	
13526.71	89.970	179.880	9533.86	4667.36	-4620.34	794.40	657826.80	414923.57	32°08'24.5186"N	103°57'25.1083"W	0.89	-0.59	-0.66	
13540.29	89.930	179.870	9533.87	4680.90	-4633.92	794.43	657826.83	414909.99	32°08'24.3843"N	103°57'25.1085"W	0.30	-0.29	-0.07	
13553.86	89.940	179.810	9533.89	4694.44	-4647.49	794.47	657826.87	414896.42	32°08'24.2500"N	103°57'25.1086"W	0.45	0.07	-0.44	
13567.43	89.850	179.800	9533.91	4707.97	-4661.06	794.52	657826.91	414882.85	32°08'24.1157"N	103°57'25.1086"W	0.67	-0.66	-0.07	
13581.00	89.680	179.770	9533.97	4721.50	-4674.63	794.57	657826.97	414869.29	32°08'23.9814"N	103°57'25.1086"W	1.27	-1.25	-0.22	
13594.57	89.540	179.690	9534.06	4735.04	-4688.20	794.63	657827.03	414855.72	32°08'23.8472"N	103°57'25.1084"W	1.19	-1.03	-0.59	
13608.14	89.410	179.530	9534.18	4748.58	-4701.77	794.72	657827.12	414842.15	32°08'23.7129"N	103°57'25.1079"W	1.52	-0.96	-1.18	
13621.71	89.270	179.370	9534.34	4762.12	-4715.33	794.85	657827.25	414828.58	32°08'23.5786"N	103°57'25.1069"W	1.57	-1.03	-1.18	
13635.29	89.120	179.190	9534.53	4775.67	-4728.91	795.02	657827.42	414815.00	32°08'23.4443"N	103°57'25.1055"W	1.73	-1.10	-1.33	
13648.86	88.910	179.100	9534.77	4789.21	-4742.48	795.23	657827.62	414801.44	32°08'23.3100"N	103°57'25.1037"W	1.68	-1.55	-0.66	
13662.43	88.750	179.130	9535.04	4802.75	-4756.04	795.44	657827.83	414787.87	32°08'23.1758"N	103°57'25.1018"W	1.20	-1.18	0.22	
13676.00	88.530	179.020	9535.36	4816.29	-4769.61	795.65	657828.05	414774.31	32°08'23.0415"N	103°57'25.0998"W	1.81	-1.62	-0.81	
13690.54	88.360	178.890	9535.76	4830.80	-4784.14	795.92	657828.32	414759.78	32°08'22.8977"N	103°57'25.0973"W	1.47	-1.17	-0.89	
13705.08	88.220	178.860	9536.19	4845.31	-4798.67	796.21	657828.60	414745.25	32°08'22.7539"N	103°57'25.0946"W	0.98	-0.96	-0.21	
13719.62	88.120	178.870	9536.66	4859.82	-4813.20	796.49	657828.89	414730.72	32°08'22.6102"N	103°57'25.0918"W	0.69	-0.69	0.07	
13734.15	88.050	178.820	9537.14	4874.32	-4827.72	796.79	657829.18	414716.20	32°08'22.4665"N	103°57'25.0890"W	0.59	-0.48	-0.34	
13748.69	87.990	178.780	9537.65	4888.83	-4842.25	797.09	657829.49	414701.68	32°08'22.3227"N	103°57'25.0861"W	0.50	-0.41	-0.28	
13763.23	87.970	178.770	9538.16	4903.34	-4856.78	797.40	657829.80	414687.15	32°08'22.1789"N	103°57'25.0830"W	0.15	-0.14	-0.07	
13777.77	87.980	178.770	9538.67	4917.85	-4871.30	797.71	657830.11	414672.62	32°08'22.0352"N	103°57'25.0800"W	0.07	0.07	0.00	
13792.31	88.010	178.780	9539.18	4932.36	-4885.83	798.02	657830.42	414658.10	32°08'21.8914"N	103°57'25.0770"W	0.22	0.21	0.07	
13806.85	88.070	178.750	9539.68	4946.87	-4900.36	798.34	657830.73	414643.57	32°08'21.7476"N	103°57'25.0739"W	0.46	0.41	-0.21	
13821.38	88.150	178.700	9540.16	4961.37	-4914.88	798.66	657831.06	414629.05	32°08'21.6040"N	103°57'25.0708"W	0.65	0.55	-0.34	
13835.92	88.250	178.640	9540.61	4975.88	-4929.41	799.00	657831.40	414614.53	32°08'21.4602"N	103°57'25.0674"W	0.80	0.69	-0.41	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
13850.46	88.380	178.610	9541.04	4990.40	-4943.94	799.35	657831.74	414600.00	32°08'21.3164"N	103°57'25.0640"W	0.92	0.89	-0.21	
13865.00	88.550	178.690	9541.43	5004.91	-4958.47	799.69	657832.09	414585.47	32°08'21.1726"N	103°57'25.0606"W	1.29	1.17	0.55	
13878.57	88.770	178.830	9541.75	5018.46	-4972.03	799.98	657832.38	414571.91	32°08'21.0384"N	103°57'25.0577"W	1.92	1.62	1.03	
13892.14	89.000	178.940	9542.01	5032.00	-4985.60	800.25	657832.64	414558.34	32°08'20.9041"N	103°57'25.0552"W	1.88	1.69	0.81	
13905.71	89.220	179.000	9542.22	5045.55	-4999.16	800.49	657832.89	414544.78	32°08'20.7699"N	103°57'25.0529"W	1.68	1.62	0.44	
13919.29	89.390	178.950	9542.39	5059.11	-5012.74	800.73	657833.13	414531.20	32°08'20.6355"N	103°57'25.0506"W	1.30	1.25	-0.37	
13932.86	89.630	179.040	9542.50	5072.65	-5026.31	800.97	657833.37	414517.63	32°08'20.5013"N	103°57'25.0484"W	1.89	1.77	0.66	
13946.43	89.830	179.120	9542.57	5086.20	-5039.87	801.19	657833.59	414504.07	32°08'20.3670"N	103°57'25.0464"W	1.59	1.47	0.59	
13960.00	90.030	179.160	9542.58	5099.74	-5053.44	801.39	657833.79	414490.50	32°08'20.2327"N	103°57'25.0446"W	1.50	1.47	0.29	
13973.57	90.150	179.100	9542.56	5113.29	-5067.01	801.60	657834.00	414476.93	32°08'20.0985"N	103°57'25.0428"W	0.99	0.88	-0.44	
13987.14	90.160	179.070	9542.53	5126.83	-5080.58	801.81	657834.21	414463.37	32°08'19.9642"N	103°57'25.0408"W	0.23	0.07	-0.22	
14000.71	90.180	179.130	9542.49	5140.38	-5094.15	802.03	657834.43	414449.80	32°08'19.8299"N	103°57'25.0389"W	0.47	0.15	0.44	
14014.29	90.170	179.120	9542.44	5153.93	-5107.73	802.24	657834.63	414436.22	32°08'19.6956"N	103°57'25.0370"W	0.10	-0.07	-0.07	
14027.86	90.210	179.150	9542.40	5167.48	-5121.29	802.44	657834.84	414422.65	32°08'19.5613"N	103°57'25.0352"W	0.37	0.29	0.22	
14041.43	90.270	179.110	9542.34	5181.02	-5134.86	802.65	657835.04	414409.09	32°08'19.4270"N	103°57'25.0333"W	0.53	0.44	-0.29	
14055.00	90.310	179.060	9542.27	5194.57	-5148.43	802.86	657835.26	414395.52	32°08'19.2928"N	103°57'25.0314"W	0.47	0.29	-0.37	
14069.62	90.350	179.050	9542.19	5209.16	-5163.05	803.10	657835.50	414380.90	32°08'19.1481"N	103°57'25.0292"W	0.28	0.27	-0.07	
14084.23	90.390	179.060	9542.09	5223.74	-5177.66	803.35	657835.74	414366.30	32°08'19.0036"N	103°57'25.0269"W	0.28	0.27	0.07	
14098.85	90.430	179.090	9541.99	5238.34	-5192.27	803.58	657835.98	414351.68	32°08'18.8589"N	103°57'25.0248"W	0.34	0.27	0.21	
14113.46	90.460	179.120	9541.88	5252.92	-5206.88	803.81	657836.21	414337.07	32°08'18.7144"N	103°57'25.0227"W	0.29	0.21	0.21	
14128.08	90.480	179.130	9541.76	5267.51	-5221.50	804.03	657836.43	414322.46	32°08'18.5697"N	103°57'25.0207"W	0.15	0.14	0.07	
14142.69	90.500	179.130	9541.63	5282.10	-5236.11	804.25	657836.65	414307.85	32°08'18.4251"N	103°57'25.0187"W	0.14	0.14	0.00	
14157.31	90.500	179.140	9541.50	5296.69	-5250.72	804.48	657836.87	414293.23	32°08'18.2805"N	103°57'25.0168"W	0.07	0.00	0.07	
14171.92	90.500	179.170	9541.38	5311.27	-5265.33	804.69	657837.09	414278.63	32°08'18.1359"N	103°57'25.0149"W	0.21	0.00	0.21	
14186.54	90.470	179.100	9541.25	5325.86	-5279.95	804.91	657837.31	414264.01	32°08'17.9913"N	103°57'25.0129"W	0.52	-0.21	-0.48	
14201.15	90.450	179.030	9541.14	5340.45	-5294.56	805.15	657837.55	414249.40	32°08'17.8467"N	103°57'25.0107"W	0.50	-0.14	-0.48	
14215.77	90.410	179.020	9541.03	5355.04	-5309.18	805.40	657837.80	414234.79	32°08'17.7021"N	103°57'25.0084"W	0.28	-0.27	-0.07	
14230.38	90.440	179.010	9540.92	5369.62	-5323.78	805.65	657838.05	414220.18	32°08'17.5575"N	103°57'25.0061"W	0.22	0.21	-0.07	
14245.00	90.410	179.050	9540.81	5384.22	-5338.40	805.90	657838.29	414205.56	32°08'17.4129"N	103°57'25.0038"W	0.34	-0.21	0.27	
14258.57	90.380	179.110	9540.72	5397.76	-5351.97	806.12	657838.51	414192.00	32°08'17.2786"N	103°57'25.0018"W	0.49	-0.22	0.44	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14272.14	90.330	179.100	9540.63	5411.31	-5365.54	806.33	657838.72	414178.43	32°08'17.1443"N	103°57'24.9999"W	0.38	-0.37	-0.07	
14285.71	90.330	179.030	9540.55	5424.85	-5379.10	806.55	657838.95	414164.86	32°08'17.0101"N	103°57'24.9979"W	0.52	0.00	-0.52	
14299.29	90.240	179.100	9540.49	5438.41	-5392.68	806.77	657839.17	414151.29	32°08'16.8757"N	103°57'24.9959"W	0.84	-0.66	0.52	
14312.86	90.120	179.110	9540.44	5451.95	-5406.25	806.98	657839.38	414137.72	32°08'16.7414"N	103°57'24.9939"W	0.89	-0.88	0.07	
14326.43	89.990	179.150	9540.43	5465.50	-5419.82	807.19	657839.59	414124.15	32°08'16.6072"N	103°57'24.9921"W	1.00	-0.96	0.29	
14340.00	90.040	179.140	9540.43	5479.04	-5433.39	807.39	657839.79	414110.58	32°08'16.4729"N	103°57'24.9903"W	0.38	0.37	-0.07	
14353.57	89.900	179.170	9540.43	5492.59	-5446.96	807.59	657839.99	414097.02	32°08'16.3386"N	103°57'24.9885"W	1.06	-1.03	0.22	
14367.14	89.770	179.200	9540.47	5506.13	-5460.52	807.78	657840.18	414083.45	32°08'16.2044"N	103°57'24.9868"W	0.98	-0.96	0.22	
14380.71	89.670	179.230	9540.54	5519.68	-5474.09	807.97	657840.37	414069.88	32°08'16.0701"N	103°57'24.9852"W	0.77	-0.74	0.22	
14394.29	89.720	179.220	9540.61	5533.23	-5487.67	808.15	657840.55	414056.30	32°08'15.9357"N	103°57'24.9836"W	0.38	0.37	-0.07	
14407.86	89.630	179.210	9540.69	5546.77	-5501.24	808.34	657840.74	414042.74	32°08'15.8015"N	103°57'24.9820"W	0.67	-0.66	-0.07	
14421.43	89.550	179.180	9540.79	5560.32	-5514.81	808.53	657840.93	414029.17	32°08'15.6672"N	103°57'24.9804"W	0.63	-0.59	-0.22	
14435.00	89.520	179.160	9540.90	5573.86	-5528.38	808.73	657841.12	414015.60	32°08'15.5329"N	103°57'24.9786"W	0.27	-0.22	-0.15	
14448.57	89.590	179.100	9541.00	5587.40	-5541.94	808.93	657841.33	414002.04	32°08'15.3987"N	103°57'24.9768"W	0.68	0.52	-0.44	
14462.14	89.670	179.040	9541.09	5600.95	-5555.51	809.15	657841.55	413988.47	32°08'15.2644"N	103°57'24.9748"W	0.74	0.59	-0.44	
14475.71	89.780	179.010	9541.15	5614.50	-5569.08	809.38	657841.78	413974.90	32°08'15.1301"N	103°57'24.9726"W	0.84	0.81	-0.22	
14489.29	89.880	178.990	9541.19	5628.05	-5582.66	809.62	657842.02	413961.32	32°08'14.9958"N	103°57'24.9704"W	0.75	0.74	-0.15	
14502.86	89.990	179.000	9541.21	5641.60	-5596.23	809.86	657842.26	413947.76	32°08'14.8615"N	103°57'24.9682"W	0.81	0.81	0.07	
14516.43	90.050	178.990	9541.20	5655.15	-5609.79	810.10	657842.49	413934.19	32°08'14.7272"N	103°57'24.9660"W	0.45	0.44	-0.07	
14530.00	90.110	178.990	9541.19	5668.69	-5623.36	810.34	657842.73	413920.62	32°08'14.5930"N	103°57'24.9638"W	0.44	0.44	0.00	
14543.57	90.140	179.000	9541.16	5682.24	-5636.93	810.57	657842.97	413907.06	32°08'14.4587"N	103°57'24.9615"W	0.23	0.22	0.07	
14557.14	90.130	178.990	9541.12	5695.79	-5650.50	810.81	657843.21	413893.49	32°08'14.3244"N	103°57'24.9593"W	0.10	-0.07	-0.07	
14570.71	90.120	178.990	9541.09	5709.33	-5664.07	811.05	657843.45	413879.92	32°08'14.1902"N	103°57'24.9571"W	0.07	-0.07	0.00	
14584.29	90.080	179.010	9541.07	5722.89	-5677.64	811.29	657843.69	413866.35	32°08'14.0558"N	103°57'24.9549"W	0.33	-0.29	0.15	
14597.86	90.000	179.040	9541.06	5736.44	-5691.21	811.52	657843.92	413852.78	32°08'13.9215"N	103°57'24.9528"W	0.63	-0.59	0.22	
14611.43	89.950	179.120	9541.07	5749.98	-5704.78	811.74	657844.13	413839.21	32°08'13.7873"N	103°57'24.9508"W	0.70	-0.37	0.59	
14625.00	89.910	179.210	9541.08	5763.53	-5718.35	811.93	657844.33	413825.65	32°08'13.6530"N	103°57'24.9490"W	0.73	-0.29	0.66	
14638.43	89.890	179.270	9541.11	5776.93	-5731.78	812.11	657844.51	413812.22	32°08'13.5201"N	103°57'24.9475"W	0.47	-0.15	0.45	
14651.86	89.890	179.320	9541.13	5790.33	-5745.21	812.28	657844.67	413798.79	32°08'13.3872"N	103°57'24.9461"W	0.37	0.00	0.37	
14665.29	89.920	179.360	9541.16	5803.73	-5758.64	812.43	657844.83	413785.36	32°08'13.2543"N	103°57'24.9449"W	0.37	0.22	0.30	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14678.71	89.880	179.320	9541.18	5817.13	-5772.05	812.59	657844.98	413771.94	32°08'13.1215"N	103°57'24.9436"W	0.42	-0.30	-0.30	
14692.14	89.820	179.310	9541.21	5830.53	-5785.48	812.75	657845.14	413758.52	32°08'12.9887"N	103°57'24.9423"W	0.45	-0.45	-0.07	
14705.57	89.780	179.390	9541.26	5843.93	-5798.91	812.90	657845.30	413745.09	32°08'12.8558"N	103°57'24.9411"W	0.67	-0.30	0.60	
14719.00	89.740	179.460	9541.32	5857.33	-5812.34	813.03	657845.43	413731.66	32°08'12.7229"N	103°57'24.9401"W	0.60	-0.30	0.52	
14732.57	89.720	179.500	9541.38	5870.87	-5825.91	813.16	657845.55	413718.09	32°08'12.5886"N	103°57'24.9392"W	0.33	-0.15	0.29	
14746.14	89.720	179.560	9541.45	5884.41	-5839.48	813.27	657845.67	413704.52	32°08'12.4543"N	103°57'24.9384"W	0.44	0.00	0.44	
14759.71	89.800	179.640	9541.50	5897.95	-5853.05	813.36	657845.76	413690.95	32°08'12.3200"N	103°57'24.9379"W	0.83	0.59	0.59	
14773.29	89.860	179.720	9541.54	5911.49	-5866.63	813.44	657845.84	413677.38	32°08'12.1857"N	103°57'24.9375"W	0.74	0.44	0.59	
14786.86	89.900	179.820	9541.57	5925.03	-5880.20	813.49	657845.89	413663.81	32°08'12.0514"N	103°57'24.9375"W	0.79	0.29	0.74	
14800.43	89.850	179.830	9541.60	5938.56	-5893.77	813.54	657845.93	413650.24	32°08'11.9171"N	103°57'24.9375"W	0.38	-0.37	0.07	
14814.00	89.800	179.830	9541.64	5952.09	-5907.34	813.58	657845.97	413636.67	32°08'11.7828"N	103°57'24.9376"W	0.37	-0.37	0.00	
14827.57	89.890	179.900	9541.68	5965.63	-5920.91	813.61	657846.00	413623.10	32°08'11.6486"N	103°57'24.9378"W	0.84	0.66	0.52	
14841.14	89.750	179.750	9541.72	5979.16	-5934.48	813.65	657846.05	413609.53	32°08'11.5143"N	103°57'24.9379"W	1.51	-1.03	-1.11	
14854.71	89.660	179.560	9541.79	5992.70	-5948.05	813.73	657846.13	413595.96	32°08'11.3800"N	103°57'24.9375"W	1.55	-0.66	-1.40	
14868.29	89.530	179.310	9541.89	6006.25	-5961.63	813.87	657846.26	413582.39	32°08'11.2456"N	103°57'24.9365"W	2.07	-0.96	-1.84	
14881.86	88.920	178.520	9542.07	6019.79	-5975.19	814.12	657846.52	413568.82	32°08'11.1114"N	103°57'24.9340"W	7.35	-4.50	-5.82	
14895.43	88.900	178.550	9542.33	6033.34	-5988.76	814.47	657846.87	413555.26	32°08'10.9772"N	103°57'24.9305"W	0.27	-0.15	0.22	
14909.00	88.830	178.580	9542.60	6046.89	-6002.32	814.81	657847.21	413541.70	32°08'10.8429"N	103°57'24.9271"W	0.56	-0.52	0.22	
14922.57	88.780	178.620	9542.88	6060.44	-6015.88	815.14	657847.54	413528.13	32°08'10.7087"N	103°57'24.9238"W	0.47	-0.37	0.29	
14936.14	88.730	178.690	9543.18	6073.99	-6029.45	815.46	657847.86	413514.57	32°08'10.5745"N	103°57'24.9207"W	0.63	-0.37	0.52	
14949.71	88.690	178.790	9543.48	6087.54	-6043.01	815.76	657848.15	413501.01	32°08'10.4403"N	103°57'24.9178"W	0.79	-0.29	0.74	
14963.29	88.650	178.860	9543.80	6101.09	-6056.58	816.04	657848.43	413487.44	32°08'10.3059"N	103°57'24.9151"W	0.59	-0.29	0.52	
14976.86	88.660	178.910	9544.12	6114.64	-6070.15	816.30	657848.70	413473.87	32°08'10.1717"N	103°57'24.9126"W	0.38	0.07	0.37	
14990.43	88.710	178.930	9544.43	6128.18	-6083.71	816.56	657848.95	413460.31	32°08'10.0375"N	103°57'24.9101"W	0.40	0.37	0.15	
15004.00	88.800	178.920	9544.72	6141.73	-6097.27	816.81	657849.21	413446.75	32°08'9.9033"N	103°57'24.9077"W	0.67	0.66	-0.07	
15017.57	88.860	178.770	9545.00	6155.27	-6110.84	817.08	657849.48	413433.19	32°08'9.7690"N	103°57'24.9051"W	1.19	0.44	-1.11	
15031.14	88.950	178.600	9545.26	6168.82	-6124.40	817.39	657849.79	413419.62	32°08'9.6348"N	103°57'24.9020"W	1.42	0.66	-1.25	
15044.71	88.860	178.400	9545.52	6182.37	-6137.97	817.75	657850.15	413406.06	32°08'9.5006"N	103°57'24.8985"W	1.62	-0.66	-1.47	
15058.29	88.830	178.110	9545.79	6195.93	-6151.54	818.16	657850.56	413392.49	32°08'9.3663"N	103°57'24.8942"W	2.15	-0.22	-2.14	
15071.86	88.820	177.720	9546.07	6209.49	-6165.09	818.66	657851.05	413378.93	32°08'9.2321"N	103°57'24.8890"W	2.87	-0.07	-2.87	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15085.43	88.660	177.300	9546.37	6223.05	-6178.65	819.25	657851.64	413365.38	32°08'9.0980"N	103°57'24.8827"W	3.31	-1.18	-3.10	
15099.00	89.170	177.390	9546.63	6236.61	-6192.20	819.87	657852.27	413351.83	32°08'8.9638"N	103°57'24.8759"W	3.82	3.76	0.66	
15112.57	89.210	176.210	9546.82	6250.18	-6205.75	820.63	657853.03	413338.28	32°08'8.8298"N	103°57'24.8677"W	8.70	0.29	-8.70	
15126.14	89.190	174.980	9547.01	6263.75	-6219.28	821.67	657854.07	413324.76	32°08'8.6959"N	103°57'24.8561"W	9.06	-0.15	-9.06	
15139.71	88.990	173.730	9547.22	6277.31	-6232.78	823.01	657855.40	413311.25	32°08'8.5622"N	103°57'24.8411"W	9.33	-1.47	-9.21	
15153.29	89.340	173.080	9547.42	6290.88	-6246.27	824.57	657856.96	413297.77	32°08'8.4287"N	103°57'24.8236"W	5.44	2.58	-4.79	
15166.86	89.770	172.620	9547.53	6304.43	-6259.73	826.26	657858.65	413284.30	32°08'8.2954"N	103°57'24.8045"W	4.64	3.17	-3.39	
15180.43	90.220	172.190	9547.53	6317.98	-6273.18	828.05	657860.45	413270.85	32°08'8.1622"N	103°57'24.7842"W	4.59	3.32	-3.17	
15194.00	90.290	171.720	9547.47	6331.52	-6286.62	829.95	657862.35	413257.42	32°08'8.0292"N	103°57'24.7626"W	3.50	0.52	-3.46	
15207.57	90.090	171.690	9547.42	6345.06	-6300.05	831.91	657864.30	413243.99	32°08'7.8963"N	103°57'24.7404"W	1.49	-1.47	-0.22	
15221.14	90.040	171.780	9547.41	6358.60	-6313.48	833.86	657866.25	413230.56	32°08'7.7633"N	103°57'24.7183"W	0.76	-0.37	0.66	
15234.71	90.020	171.970	9547.40	6372.14	-6326.91	835.78	657868.17	413217.13	32°08'7.6303"N	103°57'24.6965"W	1.41	-0.15	1.40	
15248.29	90.030	172.360	9547.39	6385.69	-6340.36	837.63	657870.02	413203.68	32°08'7.4971"N	103°57'24.6755"W	2.87	0.07	2.87	
15261.86	90.030	172.850	9547.39	6399.24	-6353.82	839.37	657871.77	413190.22	32°08'7.3639"N	103°57'24.6558"W	3.61	0.00	3.61	
15275.43	90.020	173.400	9547.38	6412.80	-6367.29	841.00	657873.39	413176.75	32°08'7.2305"N	103°57'24.6374"W	4.05	-0.07	4.05	
15289.00	89.990	173.970	9547.38	6426.36	-6380.78	842.49	657874.89	413163.26	32°08'7.0970"N	103°57'24.6206"W	4.21	-0.22	4.20	
15302.57	89.910	174.530	9547.39	6439.93	-6394.28	843.85	657876.24	413149.76	32°08'6.9634"N	103°57'24.6053"W	4.17	-0.59	4.13	
15316.14	89.800	175.060	9547.43	6453.50	-6407.80	845.08	657877.48	413136.25	32°08'6.8296"N	103°57'24.5916"W	3.99	-0.81	3.91	
15329.71	89.660	175.550	9547.49	6467.07	-6421.32	846.19	657878.59	413122.73	32°08'6.6957"N	103°57'24.5792"W	3.76	-1.03	3.61	
15343.29	89.490	175.970	9547.59	6480.65	-6434.86	847.20	657879.59	413109.19	32°08'6.5617"N	103°57'24.5681"W	3.34	-1.25	3.09	
15356.86	89.480	176.200	9547.71	6494.22	-6448.40	848.12	657880.52	413095.65	32°08'6.4277"N	103°57'24.5579"W	1.70	-0.07	1.69	
15370.43	89.650	176.470	9547.82	6507.78	-6461.94	848.99	657881.38	413082.11	32°08'6.2937"N	103°57'24.5483"W	2.35	1.25	1.99	
15384.00	89.790	176.700	9547.88	6521.35	-6475.49	849.80	657882.19	413068.56	32°08'6.1596"N	103°57'24.5395"W	1.98	1.03	1.69	
15397.57	89.760	177.070	9547.94	6534.92	-6489.04	850.54	657882.93	413055.02	32°08'6.0255"N	103°57'24.5314"W	2.74	-0.22	2.73	
15411.14	89.760	177.450	9547.99	6548.48	-6502.59	851.18	657883.58	413041.46	32°08'5.8914"N	103°57'24.5245"W	2.80	0.00	2.80	
15424.71	89.730	177.820	9548.05	6562.05	-6516.15	851.74	657884.14	413027.91	32°08'5.7572"N	103°57'24.5185"W	2.74	-0.22	2.73	
15438.29	89.670	178.190	9548.12	6575.61	-6529.72	852.22	657884.61	413014.33	32°08'5.6229"N	103°57'24.5135"W	2.76	-0.44	2.72	
15451.86	89.580	178.520	9548.21	6589.17	-6543.29	852.61	657885.00	413000.77	32°08'5.4886"N	103°57'24.5096"W	2.52	-0.66	2.43	
15465.43	89.260	178.700	9548.35	6602.72	-6556.85	852.94	657885.33	412987.21	32°08'5.3544"N	103°57'24.5063"W	2.71	-2.36	1.33	
15479.00	89.150	178.980	9548.54	6616.27	-6570.42	853.21	657885.60	412973.64	32°08'5.2202"N	103°57'24.5036"W	2.22	-0.81	2.06	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15492.57	89.140	179.070	9548.74	6629.81	-6583.98	853.44	657885.84	412960.08	32°08'5.0859"N	103°57'24.5015"W	0.67	-0.07	0.66	
15506.14	89.100	179.040	9548.95	6643.36	-6597.55	853.67	657886.06	412946.51	32°08'4.9517"N	103°57'24.4995"W	0.37	-0.29	-0.22	
15519.71	89.120	179.170	9549.16	6656.90	-6611.12	853.88	657886.27	412932.95	32°08'4.8174"N	103°57'24.4975"W	0.97	0.15	0.96	
15533.29	89.100	179.260	9549.37	6670.45	-6624.69	854.06	657886.46	412919.37	32°08'4.6830"N	103°57'24.4959"W	0.68	-0.15	0.66	
15546.86	89.040	179.310	9549.59	6683.99	-6638.26	854.23	657886.63	412905.80	32°08'4.5488"N	103°57'24.4945"W	0.58	-0.44	0.37	
15560.43	89.020	179.350	9549.82	6697.53	-6651.83	854.39	657886.78	412892.24	32°08'4.4145"N	103°57'24.4932"W	0.33	-0.15	0.29	
15574.00	89.010	179.360	9550.05	6711.07	-6665.40	854.54	657886.94	412878.67	32°08'4.2803"N	103°57'24.4920"W	0.10	-0.07	0.07	
15587.43	89.010	179.340	9550.29	6724.47	-6678.82	854.70	657887.09	412865.25	32°08'4.1474"N	103°57'24.4908"W	0.15	0.00	-0.15	
15600.86	88.900	179.270	9550.53	6737.87	-6692.25	854.86	657887.25	412851.82	32°08'4.0145"N	103°57'24.4894"W	0.97	-0.82	-0.52	
15614.29	88.680	179.170	9550.81	6751.27	-6705.68	855.04	657887.44	412838.39	32°08'3.8817"N	103°57'24.4878"W	1.80	-1.64	-0.74	
15627.71	88.460	179.070	9551.15	6764.66	-6719.09	855.25	657887.64	412824.98	32°08'3.7489"N	103°57'24.4860"W	1.80	-1.64	-0.75	
15641.14	88.250	178.960	9551.53	6778.06	-6732.51	855.48	657887.87	412811.56	32°08'3.6161"N	103°57'24.4839"W	1.77	-1.56	-0.82	
15654.57	88.220	178.830	9551.95	6791.47	-6745.93	855.74	657888.13	412798.14	32°08'3.4833"N	103°57'24.4814"W	0.99	-0.22	-0.97	
15668.00	88.330	178.750	9552.35	6804.87	-6759.35	856.02	657888.41	412784.72	32°08'3.3505"N	103°57'24.4786"W	1.01	0.82	-0.60	
15681.57	88.630	178.630	9552.71	6818.42	-6772.92	856.33	657888.72	412771.16	32°08'3.2163"N	103°57'24.4756"W	2.38	2.21	-0.88	
15695.14	88.900	178.340	9553.01	6831.97	-6786.48	856.69	657889.08	412757.60	32°08'3.0821"N	103°57'24.4720"W	2.92	1.99	-2.14	
15708.71	89.230	178.060	9553.23	6845.52	-6800.04	857.12	657889.51	412744.04	32°08'2.9479"N	103°57'24.4676"W	3.19	2.43	-2.06	
15722.29	89.370	177.710	9553.39	6859.09	-6813.61	857.62	657890.01	412730.47	32°08'2.8136"N	103°57'24.4623"W	2.78	1.03	-2.58	
15735.86	89.400	177.290	9553.54	6872.65	-6827.17	858.21	657890.60	412716.91	32°08'2.6794"N	103°57'24.4560"W	3.10	0.22	-3.10	
15749.43	89.490	176.870	9553.67	6886.22	-6840.72	858.90	657891.29	412703.36	32°08'2.5453"N	103°57'24.4485"W	3.17	0.66	-3.10	
15763.00	89.730	176.650	9553.76	6899.78	-6854.26	859.67	657892.06	412689.82	32°08'2.4112"N	103°57'24.4401"W	2.40	1.77	-1.62	
15776.57	89.950	177.100	9553.80	6913.35	-6867.81	860.41	657892.80	412676.27	32°08'2.2771"N	103°57'24.4320"W	3.69	1.62	3.32	
15790.14	89.820	177.430	9553.83	6926.91	-6881.37	861.05	657893.45	412662.71	32°08'2.1429"N	103°57'24.4251"W	2.61	-0.96	2.43	
15803.71	89.530	177.690	9553.90	6940.48	-6894.93	861.63	657894.03	412649.16	32°08'2.0088"N	103°57'24.4189"W	2.87	-2.14	1.92	
15817.29	89.500	178.130	9554.02	6954.05	-6908.50	862.13	657894.52	412635.59	32°08'1.8745"N	103°57'24.4137"W	3.25	-0.22	3.24	
15830.86	89.530	178.600	9554.13	6967.60	-6922.06	862.51	657894.91	412622.03	32°08'1.7402"N	103°57'24.4097"W	3.47	0.22	3.46	
15844.43	89.510	179.040	9554.25	6981.15	-6935.63	862.79	657895.19	412608.46	32°08'1.6060"N	103°57'24.4070"W	3.25	-0.15	3.24	
15858.00	89.480	179.440	9554.37	6994.69	-6949.20	862.97	657895.37	412594.89	32°08'1.4717"N	103°57'24.4055"W	2.96	-0.22	2.95	
15871.57	89.540	179.670	9554.48	7008.23	-6962.76	863.08	657895.47	412581.33	32°08'1.3374"N	103°57'24.4048"W	1.75	0.44	1.69	
15885.14	89.600	179.860	9554.59	7021.76	-6976.33	863.14	657895.53	412567.76	32°08'1.2032"N	103°57'24.4047"W	1.47	0.44	1.40	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15898.71	89.650	180.020	9554.67	7035.29	-6989.90	863.15	657895.54	412554.19	32°08'1.0689"N	103°57'24.4051"W	1.24	0.37	1.18	
15912.29	89.740	180.080	9554.75	7048.83	-7003.48	863.14	657895.53	412540.61	32°08'0.9345"N	103°57'24.4058"W	0.80	0.66	0.44	
15925.86	89.840	180.110	9554.80	7062.36	-7017.05	863.11	657895.51	412527.04	32°08'0.8002"N	103°57'24.4066"W	0.77	0.74	0.22	
15939.43	89.960	180.090	9554.82	7075.89	-7030.62	863.09	657895.48	412513.47	32°08'0.6660"N	103°57'24.4074"W	0.90	0.88	-0.15	
15953.00	90.020	180.130	9554.82	7089.42	-7044.19	863.07	657895.46	412499.90	32°08'0.5317"N	103°57'24.4083"W	0.53	0.44	0.29	
15966.57	90.020	180.290	9554.82	7102.95	-7057.76	863.02	657895.41	412486.33	32°08'0.3974"N	103°57'24.4094"W	1.18	0.00	1.18	
15980.14	89.950	180.450	9554.82	7116.47	-7071.33	862.93	657895.32	412472.77	32°08'0.2631"N	103°57'24.4110"W	1.29	-0.52	1.18	
15993.71	89.870	180.600	9554.84	7129.99	-7084.90	862.80	657895.20	412459.20	32°08'0.1289"N	103°57'24.4130"W	1.25	-0.59	1.11	
16007.29	89.790	180.740	9554.88	7143.52	-7098.48	862.64	657895.04	412445.62	32°07'59.9945"N	103°57'24.4154"W	1.19	-0.59	1.03	
16020.86	89.710	180.870	9554.94	7157.03	-7112.05	862.45	657894.85	412432.05	32°07'59.8603"N	103°57'24.4182"W	1.12	-0.59	0.96	
16034.43	89.650	181.000	9555.02	7170.55	-7125.62	862.23	657894.63	412418.48	32°07'59.7260"N	103°57'24.4213"W	1.06	-0.44	0.96	
16048.00	89.590	181.120	9555.11	7184.06	-7139.19	861.98	657894.37	412404.92	32°07'59.5918"N	103°57'24.4248"W	0.99	-0.44	0.88	
16061.57	89.610	181.180	9555.20	7197.56	-7152.75	861.71	657894.10	412391.35	32°07'59.4575"N	103°57'24.4285"W	0.47	0.15	0.44	
16075.14	89.630	181.230	9555.29	7211.07	-7166.32	861.42	657893.82	412377.79	32°07'59.3233"N	103°57'24.4324"W	0.40	0.15	0.37	
16088.71	89.670	181.260	9555.37	7224.57	-7179.89	861.13	657893.52	412364.22	32°07'59.1891"N	103°57'24.4363"W	0.37	0.29	0.22	
16102.29	89.710	181.270	9555.45	7238.09	-7193.46	860.83	657893.22	412350.65	32°07'59.0547"N	103°57'24.4404"W	0.30	0.29	0.07	
16115.86	89.750	181.260	9555.51	7251.59	-7207.03	860.53	657892.92	412337.08	32°07'58.9205"N	103°57'24.4444"W	0.30	0.29	-0.07	
16129.43	89.770	181.210	9555.57	7265.10	-7220.60	860.24	657892.63	412323.51	32°07'58.7863"N	103°57'24.4484"W	0.40	0.15	-0.37	
16143.00	89.850	181.260	9555.61	7278.60	-7234.16	859.94	657892.34	412309.95	32°07'58.6520"N	103°57'24.4523"W	0.70	0.59	0.37	
16156.43	89.970	181.560	9555.64	7291.96	-7247.59	859.61	657892.01	412296.52	32°07'58.5192"N	103°57'24.4567"W	2.41	0.89	2.23	
16169.86	89.940	181.700	9555.65	7305.32	-7261.01	859.23	657891.63	412283.10	32°07'58.3863"N	103°57'24.4617"W	1.07	-0.22	1.04	
16183.29	89.910	181.850	9555.66	7318.67	-7274.44	858.82	657891.21	412269.68	32°07'58.2535"N	103°57'24.4671"W	1.14	-0.22	1.12	
16196.71	89.880	181.840	9555.69	7332.02	-7287.85	858.38	657890.78	412256.27	32°07'58.1208"N	103°57'24.4726"W	0.24	-0.22	-0.07	
16210.14	89.950	181.750	9555.71	7345.37	-7301.27	857.96	657890.36	412242.84	32°07'57.9880"N	103°57'24.4781"W	0.85	0.52	-0.67	
16223.57	90.150	182.060	9555.70	7358.72	-7314.70	857.52	657889.91	412229.42	32°07'57.8552"N	103°57'24.4838"W	2.75	1.49	2.31	
16237.00	90.220	181.920	9555.65	7372.07	-7328.12	857.05	657889.44	412216.00	32°07'57.7224"N	103°57'24.4898"W	1.17	0.52	-1.04	
16250.57	90.220	181.740	9555.60	7385.56	-7341.68	856.62	657889.01	412202.44	32°07'57.5882"N	103°57'24.4954"W	1.33	0.00	-1.33	
16264.14	89.930	181.800	9555.58	7399.05	-7355.24	856.20	657888.59	412188.88	32°07'57.4540"N	103°57'24.5008"W	2.18	-2.14	0.44	
16277.71	89.600	181.900	9555.64	7412.54	-7368.81	855.76	657888.15	412175.32	32°07'57.3198"N	103°57'24.5065"W	2.54	-2.43	0.74	
16291.29	89.470	181.640	9555.75	7426.04	-7382.38	855.34	657887.73	412161.74	32°07'57.1855"N	103°57'24.5119"W	2.14	-0.96	-1.91	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
16304.86	89.450	181.220	9555.88	7439.54	-7395.94	855.00	657887.40	412148.18	32°07'57.0513"N	103°57'24.5164"W	3.10	-0.15	-3.10	
16318.43	89.410	180.710	9556.01	7453.05	-7409.51	854.77	657887.17	412134.61	32°07'56.9171"N	103°57'24.5196"W	3.77	-0.29	-3.76	
16332.00	89.360	180.210	9556.16	7466.57	-7423.08	854.66	657887.06	412121.05	32°07'56.7828"N	103°57'24.5214"W	3.70	-0.37	-3.68	
16345.57	89.280	179.580	9556.32	7480.10	-7436.65	854.69	657887.08	412107.48	32°07'56.6485"N	103°57'24.5217"W	4.68	-0.59	-4.64	
16359.14	89.310	178.860	9556.49	7493.65	-7450.22	854.87	657887.27	412093.91	32°07'56.5143"N	103°57'24.5201"W	5.31	0.22	-5.31	
16372.71	89.410	178.140	9556.64	7507.20	-7463.78	855.23	657887.62	412080.35	32°07'56.3800"N	103°57'24.5165"W	5.36	0.74	-5.31	
16386.29	89.520	177.480	9556.76	7520.77	-7477.35	855.75	657888.14	412066.78	32°07'56.2458"N	103°57'24.5110"W	4.93	0.81	-4.86	
16399.86	89.670	176.900	9556.86	7534.33	-7490.90	856.41	657888.81	412053.23	32°07'56.1116"N	103°57'24.5038"W	4.41	1.11	-4.27	
16413.43	89.860	176.440	9556.92	7547.90	-7504.45	857.20	657889.60	412039.68	32°07'55.9775"N	103°57'24.4952"W	3.67	1.40	-3.39	
16427.00	90.110	176.140	9556.92	7561.47	-7517.99	858.08	657890.47	412026.14	32°07'55.8435"N	103°57'24.4855"W	2.88	1.84	-2.21	
16440.57	90.160	176.300	9556.89	7575.04	-7531.53	858.97	657891.37	412012.60	32°07'55.7095"N	103°57'24.4757"W	1.24	0.37	1.18	
16454.14	90.140	176.520	9556.85	7588.61	-7545.08	859.82	657892.22	411999.06	32°07'55.5755"N	103°57'24.4664"W	1.63	-0.15	1.62	
16467.71	90.020	176.850	9556.83	7602.18	-7558.62	860.61	657893.00	411985.51	32°07'55.4414"N	103°57'24.4578"W	2.59	-0.88	2.43	
16481.29	89.960	177.230	9556.83	7615.75	-7572.19	861.31	657893.70	411971.95	32°07'55.3072"N	103°57'24.4502"W	2.83	-0.44	2.80	
16494.86	90.020	177.760	9556.84	7629.31	-7585.74	861.90	657894.30	411958.40	32°07'55.1730"N	103°57'24.4438"W	3.93	0.44	3.91	
16508.43	90.010	178.270	9556.83	7642.87	-7599.30	862.37	657894.77	411944.84	32°07'55.0388"N	103°57'24.4389"W	3.76	-0.07	3.76	
16522.00	89.950	178.720	9556.84	7656.43	-7612.87	862.73	657895.12	411931.27	32°07'54.9045"N	103°57'24.4353"W	3.35	-0.44	3.32	
16535.57	90.060	178.840	9556.84	7669.98	-7626.44	863.02	657895.41	411917.70	32°07'54.7703"N	103°57'24.4325"W	1.20	0.81	0.88	
16549.14	90.090	178.920	9556.82	7683.52	-7640.00	863.28	657895.68	411904.14	32°07'54.6360"N	103°57'24.4300"W	0.63	0.22	0.59	
16562.71	90.070	179.010	9556.80	7697.07	-7653.57	863.53	657895.92	411890.57	32°07'54.5017"N	103°57'24.4277"W	0.68	-0.15	0.66	
16576.29	89.940	179.060	9556.80	7710.63	-7667.15	863.76	657896.15	411876.99	32°07'54.3674"N	103°57'24.4256"W	1.03	-0.96	0.37	
16589.86	89.860	179.100	9556.82	7724.17	-7680.72	863.98	657896.37	411863.43	32°07'54.2331"N	103°57'24.4236"W	0.66	-0.59	0.29	
16603.43	89.740	179.140	9556.87	7737.72	-7694.29	864.18	657896.58	411849.86	32°07'54.0988"N	103°57'24.4217"W	0.93	-0.88	0.29	
16617.00	89.630	179.180	9556.95	7751.26	-7707.85	864.38	657896.78	411836.29	32°07'53.9646"N	103°57'24.4200"W	0.86	-0.81	0.29	
16630.57	89.460	179.220	9557.05	7764.81	-7721.42	864.57	657896.97	411822.73	32°07'53.8303"N	103°57'24.4183"W	1.29	-1.25	0.29	
16644.14	89.290	179.220	9557.20	7778.35	-7734.99	864.76	657897.15	411809.16	32°07'53.6960"N	103°57'24.4167"W	1.25	-1.25	0.00	
16657.71	89.130	179.170	9557.39	7791.89	-7748.56	864.95	657897.34	411795.59	32°07'53.5618"N	103°57'24.4150"W	1.24	-1.18	-0.37	
16671.29	89.070	179.240	9557.60	7805.44	-7762.14	865.14	657897.53	411782.02	32°07'53.4274"N	103°57'24.4134"W	0.68	-0.44	0.52	
16684.86	89.000	179.300	9557.83	7818.98	-7775.70	865.31	657897.70	411768.45	32°07'53.2932"N	103°57'24.4119"W	0.68	-0.52	0.44	
16698.43	88.930	179.260	9558.07	7832.52	-7789.27	865.48	657897.87	411754.89	32°07'53.1589"N	103°57'24.4105"W	0.59	-0.52	-0.29	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
16712.00	88.880	179.210	9558.33	7846.06	-7802.84	865.66	657898.05	411741.32	32°07'53.0247"N	103°57'24.4090"W	0.52	-0.37	-0.37	
16725.43	88.910	179.050	9558.59	7859.47	-7816.26	865.86	657898.26	411727.90	32°07'52.8918"N	103°57'24.4071"W	1.21	0.22	-1.19	
16738.86	88.890	178.870	9558.85	7872.87	-7829.69	866.11	657898.50	411714.47	32°07'52.7590"N	103°57'24.4048"W	1.35	-0.15	-1.34	
16752.29	88.860	178.650	9559.11	7886.28	-7843.11	866.40	657898.79	411701.05	32°07'52.6261"N	103°57'24.4020"W	1.65	-0.22	-1.64	
16765.71	88.710	178.510	9559.40	7899.68	-7856.52	866.73	657899.12	411687.64	32°07'52.4934"N	103°57'24.3987"W	1.53	-1.12	-1.04	
16779.14	88.850	178.290	9559.69	7913.09	-7869.95	867.11	657899.50	411674.22	32°07'52.3605"N	103°57'24.3949"W	1.94	1.04	-1.64	
16792.57	88.900	178.060	9559.95	7926.50	-7883.37	867.53	657899.93	411660.80	32°07'52.2277"N	103°57'24.3905"W	1.75	0.37	-1.71	
16806.00	88.850	177.770	9560.21	7939.92	-7896.78	868.02	657900.41	411647.38	32°07'52.0949"N	103°57'24.3853"W	2.19	-0.37	-2.16	
16819.57	88.830	177.490	9560.49	7953.48	-7910.34	868.58	657900.98	411633.82	32°07'51.9608"N	103°57'24.3793"W	2.07	-0.15	-2.06	
16833.14	88.800	177.200	9560.77	7967.04	-7923.89	869.21	657901.60	411620.27	32°07'51.8267"N	103°57'24.3726"W	2.15	-0.22	-2.14	
16846.71	88.780	176.880	9561.05	7980.60	-7937.44	869.91	657902.30	411606.72	32°07'51.6926"N	103°57'24.3650"W	2.36	-0.15	-2.36	
16860.29	88.710	176.600	9561.35	7994.18	-7951.00	870.68	657903.08	411593.17	32°07'51.5584"N	103°57'24.3566"W	2.12	-0.52	-2.06	
16873.86	88.450	176.390	9561.69	8007.74	-7964.54	871.51	657903.91	411579.63	32°07'51.4244"N	103°57'24.3475"W	2.46	-1.92	-1.55	
16887.43	88.320	176.140	9562.07	8021.31	-7978.07	872.40	657904.79	411566.10	32°07'51.2904"N	103°57'24.3377"W	2.08	-0.96	-1.84	
16901.00	88.380	175.800	9562.46	8034.87	-7991.60	873.35	657905.74	411552.57	32°07'51.1565"N	103°57'24.3272"W	2.54	0.44	-2.51	
16914.57	88.480	175.460	9562.83	8048.44	-8005.13	874.38	657906.78	411539.04	32°07'51.0226"N	103°57'24.3157"W	2.61	0.74	-2.51	
16928.14	88.360	175.110	9563.21	8062.00	-8018.65	875.50	657907.89	411525.52	32°07'50.8888"N	103°57'24.3033"W	2.73	-0.88	-2.58	
16941.71	88.240	174.740	9563.61	8075.56	-8032.16	876.70	657909.09	411512.01	32°07'50.7551"N	103°57'24.2899"W	2.87	-0.88	-2.73	
16955.29	88.070	174.390	9564.05	8089.13	-8045.67	877.98	657910.38	411498.50	32°07'50.6213"N	103°57'24.2755"W	2.86	-1.25	-2.58	
16968.86	87.880	174.050	9564.53	8102.69	-8059.16	879.35	657911.74	411485.01	32°07'50.4878"N	103°57'24.2602"W	2.87	-1.40	-2.51	
16982.43	88.140	173.850	9565.00	8116.25	-8072.65	880.78	657913.17	411471.53	32°07'50.3543"N	103°57'24.2441"W	2.42	1.92	-1.47	
16996.00	88.310	173.570	9565.42	8129.80	-8086.13	882.27	657914.66	411458.05	32°07'50.2208"N	103°57'24.2274"W	2.41	1.25	-2.06	
17009.57	88.340	173.230	9565.81	8143.36	-8099.61	883.82	657916.22	411444.57	32°07'50.0874"N	103°57'24.2098"W	2.51	0.22	-2.51	
17023.14	88.370	172.880	9566.20	8156.91	-8113.07	885.47	657917.86	411431.11	32°07'49.9541"N	103°57'24.1913"W	2.59	0.22	-2.58	
17036.71	88.450	172.530	9566.58	8170.45	-8126.53	887.19	657919.58	411417.66	32°07'49.8209"N	103°57'24.1718"W	2.64	0.59	-2.58	
17050.29	88.510	172.180	9566.94	8184.01	-8139.98	888.99	657921.38	411404.20	32°07'49.6877"N	103°57'24.1513"W	2.61	0.44	-2.58	
17063.86	88.550	171.830	9567.29	8197.55	-8153.41	890.88	657923.27	411390.77	32°07'49.5547"N	103°57'24.1299"W	2.60	0.29	-2.58	
17077.43	88.660	171.560	9567.62	8211.08	-8166.84	892.84	657925.23	411377.35	32°07'49.4218"N	103°57'24.1077"W	2.15	0.81	-1.99	
17091.00	88.870	171.330	9567.91	8224.61	-8180.25	894.86	657927.25	411363.93	32°07'49.2890"N	103°57'24.0848"W	2.29	1.55	-1.69	
17104.57	89.040	171.190	9568.16	8238.14	-8193.66	896.92	657929.31	411350.52	32°07'49.1563"N	103°57'24.0613"W	1.62	1.25	-1.03	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17118.14	89.020	170.930	9568.39	8251.66	-8207.07	899.03	657931.42	411337.12	32°07'49.0236"N	103°57'24.0374"W	1.92	-0.15	-1.92	
17131.71	89.000	170.680	9568.62	8265.18	-8220.46	901.20	657933.59	411323.73	32°07'48.8909"N	103°57'24.0127"W	1.85	-0.15	-1.84	
17145.29	88.940	170.450	9568.87	8278.71	-8233.85	903.42	657935.81	411310.33	32°07'48.7583"N	103°57'23.9874"W	1.75	-0.44	-1.69	
17158.86	88.820	170.250	9569.13	8292.22	-8247.23	905.70	657938.09	411296.96	32°07'48.6259"N	103°57'23.9615"W	1.72	-0.88	-1.47	
17172.43	88.800	170.070	9569.41	8305.72	-8260.60	908.01	657940.40	411283.59	32°07'48.4935"N	103°57'23.9350"W	1.33	-0.15	-1.33	
17186.00	88.840	169.980	9569.69	8319.22	-8273.96	910.36	657942.75	411270.23	32°07'48.3612"N	103°57'23.9083"W	0.73	0.29	-0.66	
17199.57	88.930	170.070	9569.96	8332.73	-8287.32	912.72	657945.10	411256.87	32°07'48.2289"N	103°57'23.8815"W	0.94	0.66	0.66	
17213.14	89.070	170.180	9570.20	8346.23	-8300.69	915.04	657947.43	411243.51	32°07'48.0966"N	103°57'23.8550"W	1.31	1.03	0.81	
17226.71	89.250	170.320	9570.39	8359.74	-8314.06	917.34	657949.73	411230.13	32°07'47.9642"N	103°57'23.8288"W	1.68	1.33	1.03	
17240.29	89.340	170.570	9570.56	8373.26	-8327.45	919.59	657951.98	411216.74	32°07'47.8316"N	103°57'23.8031"W	1.96	0.66	1.84	
17253.86	89.410	170.860	9570.71	8386.78	-8340.84	921.78	657954.17	411203.35	32°07'47.6990"N	103°57'23.7782"W	2.20	0.52	2.14	
17267.43	89.570	170.990	9570.83	8400.31	-8354.24	923.92	657956.31	411189.96	32°07'47.5664"N	103°57'23.7539"W	1.52	1.18	0.96	
17281.00	89.570	171.160	9570.93	8413.83	-8367.65	926.03	657958.42	411176.55	32°07'47.4336"N	103°57'23.7299"W	1.25	0.00	1.25	
17294.57	89.750	171.320	9571.01	8427.36	-8381.06	928.10	657960.48	411163.14	32°07'47.3009"N	103°57'23.7064"W	1.77	1.33	1.18	
17308.14	89.610	171.390	9571.09	8440.89	-8394.47	930.13	657962.52	411149.73	32°07'47.1680"N	103°57'23.6833"W	1.15	-1.03	0.52	
17321.71	89.380	171.400	9571.21	8454.43	-8407.89	932.17	657964.55	411136.31	32°07'47.0352"N	103°57'23.6602"W	1.70	-1.69	0.07	
17335.29	89.300	171.670	9571.36	8467.97	-8421.32	934.16	657966.55	411122.88	32°07'46.9022"N	103°57'23.6375"W	2.07	-0.59	1.99	
17348.86	89.200	171.950	9571.54	8481.51	-8434.75	936.10	657968.48	411109.45	32°07'46.7693"N	103°57'23.6156"W	2.19	-0.74	2.06	
17362.43	89.140	172.220	9571.74	8495.05	-8448.19	937.97	657970.35	411096.01	32°07'46.6362"N	103°57'23.5944"W	2.04	-0.44	1.99	
17376.00	89.200	172.490	9571.94	8508.60	-8461.64	939.77	657972.16	411082.57	32°07'46.5031"N	103°57'23.5739"W	2.04	0.44	1.99	
17389.43	89.320	172.700	9572.11	8522.01	-8474.96	941.50	657973.89	411069.25	32°07'46.3712"N	103°57'23.5544"W	1.80	0.89	1.56	
17402.86	89.340	172.940	9572.27	8535.42	-8488.28	943.18	657975.57	411055.93	32°07'46.2393"N	103°57'23.5354"W	1.79	0.15	1.79	
17416.29	89.340	173.180	9572.42	8548.84	-8501.61	944.80	657977.19	411042.60	32°07'46.1074"N	103°57'23.5171"W	1.79	0.00	1.79	
17429.71	89.180	173.340	9572.59	8562.24	-8514.94	946.38	657978.76	411029.27	32°07'45.9755"N	103°57'23.4993"W	1.69	-1.19	1.19	
17443.14	89.080	173.540	9572.80	8575.66	-8528.28	947.91	657980.30	411015.93	32°07'45.8434"N	103°57'23.4820"W	1.66	-0.74	1.49	
17456.57	89.040	173.750	9573.02	8589.08	-8541.62	949.40	657981.78	411002.59	32°07'45.7113"N	103°57'23.4652"W	1.59	-0.30	1.56	
17470.00	88.900	173.910	9573.26	8602.50	-8554.97	950.84	657983.23	410989.24	32°07'45.5791"N	103°57'23.4490"W	1.58	-1.04	1.19	
17483.57	88.810	174.050	9573.53	8616.06	-8568.47	952.26	657984.65	410975.75	32°07'45.4456"N	103°57'23.4330"W	1.23	-0.66	1.03	
17497.14	88.710	174.200	9573.82	8629.63	-8581.96	953.65	657986.04	410962.25	32°07'45.3120"N	103°57'23.4174"W	1.33	-0.74	1.11	
17510.71	88.610	174.340	9574.14	8643.19	-8595.46	955.01	657987.39	410948.76	32°07'45.1784"N	103°57'23.4022"W	1.27	-0.74	1.03	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17524.29	88.560	174.460	9574.48	8656.76	-8608.97	956.33	657988.72	410935.25	32°07'45.0446"N	103°57'23.3874"W	0.96	-0.37	0.88	
17537.86	88.570	174.550	9574.82	8670.32	-8622.47	957.63	657990.02	410921.74	32°07'44.9110"N	103°57'23.3728"W	0.67	0.07	0.66	
17551.43	88.630	174.590	9575.15	8683.89	-8635.98	958.91	657991.30	410908.24	32°07'44.7773"N	103°57'23.3584"W	0.53	0.44	0.29	
17565.00	88.610	174.780	9575.47	8697.45	-8649.49	960.17	657992.56	410894.73	32°07'44.6436"N	103°57'23.3444"W	1.41	-0.15	1.40	
17578.57	88.710	174.980	9575.79	8711.02	-8663.00	961.38	657993.77	410881.22	32°07'44.5098"N	103°57'23.3308"W	1.65	0.74	1.47	
17592.14	88.850	175.240	9576.08	8724.58	-8676.52	962.54	657994.92	410867.71	32°07'44.3760"N	103°57'23.3179"W	2.18	1.03	1.92	
17605.71	89.000	175.530	9576.34	8738.15	-8690.04	963.63	657996.02	410854.18	32°07'44.2422"N	103°57'23.3058"W	2.41	1.11	2.14	
17619.29	89.100	175.790	9576.56	8751.73	-8703.58	964.66	657997.04	410840.64	32°07'44.1082"N	103°57'23.2944"W	2.05	0.74	1.91	
17632.86	89.120	176.030	9576.77	8765.30	-8717.11	965.63	657998.01	410827.11	32°07'43.9742"N	103°57'23.2837"W	1.77	0.15	1.77	
17646.43	89.230	176.240	9576.97	8778.87	-8730.65	966.54	657998.92	410813.58	32°07'43.8402"N	103°57'23.2736"W	1.75	0.81	1.55	
17660.00	89.270	176.290	9577.14	8792.43	-8744.19	967.42	657999.81	410800.04	32°07'43.7062"N	103°57'23.2639"W	0.47	0.29	0.37	
17673.57	89.410	176.500	9577.30	8806.00	-8757.73	968.28	658000.66	410786.50	32°07'43.5722"N	103°57'23.2545"W	1.86	1.03	1.55	
17687.14	89.480	176.710	9577.43	8819.57	-8771.28	969.08	658001.47	410772.95	32°07'43.4381"N	103°57'23.2457"W	1.63	0.52	1.55	
17700.71	89.650	176.880	9577.54	8833.14	-8784.83	969.84	658002.22	410759.40	32°07'43.3040"N	103°57'23.2374"W	1.77	1.25	1.25	
17714.29	89.660	177.150	9577.62	8846.71	-8798.39	970.55	658002.93	410745.84	32°07'43.1698"N	103°57'23.2298"W	1.99	0.07	1.99	
17727.86	89.630	177.420	9577.70	8860.28	-8811.94	971.19	658003.57	410732.29	32°07'43.0357"N	103°57'23.2228"W	2.00	-0.22	1.99	
17741.43	89.570	177.690	9577.80	8873.84	-8825.50	971.77	658004.15	410718.73	32°07'42.9015"N	103°57'23.2167"W	2.04	-0.44	1.99	
17755.00	89.480	177.940	9577.91	8887.40	-8839.06	972.29	658004.67	410705.17	32°07'42.7673"N	103°57'23.2112"W	1.96	-0.66	1.84	
17768.57	89.280	178.220	9578.06	8900.95	-8852.62	972.74	658005.12	410691.61	32°07'42.6331"N	103°57'23.2065"W	2.54	-1.47	2.06	
17782.14	89.400	178.450	9578.21	8914.51	-8866.19	973.13	658005.52	410678.05	32°07'42.4989"N	103°57'23.2024"W	1.91	0.88	1.69	
17795.71	89.560	178.670	9578.33	8928.06	-8879.75	973.48	658005.86	410664.49	32°07'42.3646"N	103°57'23.1990"W	2.00	1.18	1.62	
17809.29	89.500	178.940	9578.45	8941.62	-8893.33	973.76	658006.14	410650.91	32°07'42.2303"N	103°57'23.1963"W	2.04	-0.44	1.99	
17822.86	89.250	179.210	9578.59	8955.16	-8906.89	973.98	658006.36	410637.35	32°07'42.0960"N	103°57'23.1943"W	2.71	-1.84	1.99	
17836.43	89.020	179.480	9578.80	8968.70	-8920.46	974.13	658006.52	410623.78	32°07'41.9617"N	103°57'23.1930"W	2.61	-1.69	1.99	
17850.00	89.050	179.780	9579.03	8982.24	-8934.03	974.22	658006.60	410610.21	32°07'41.8275"N	103°57'23.1926"W	2.22	0.22	2.21	
17863.57	89.060	179.990	9579.25	8995.77	-8947.60	974.25	658006.63	410596.65	32°07'41.6932"N	103°57'23.1928"W	1.55	0.07	1.55	
17877.14	89.080	180.190	9579.47	9009.30	-8961.17	974.23	658006.61	410583.08	32°07'41.5590"N	103°57'23.1936"W	1.48	0.15	1.47	
17890.71	89.080	180.380	9579.69	9022.82	-8974.73	974.16	658006.54	410569.51	32°07'41.4247"N	103°57'23.1949"W	1.40	0.00	1.40	
17904.29	89.040	180.530	9579.91	9036.35	-8988.31	974.05	658006.44	410555.94	32°07'41.2904"N	103°57'23.1967"W	1.14	-0.29	1.10	
17917.86	89.040	180.690	9580.14	9049.87	-9001.88	973.91	658006.29	410542.37	32°07'41.1561"N	103°57'23.1990"W	1.18	0.00	1.18	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17931.43	89.050	180.860	9580.37	9063.38	-9015.45	973.72	658006.11	410528.80	32°07'41.0219"N	103°57'23.2017"W	1.25	0.07	1.25	
17945.00	89.040	181.030	9580.59	9076.89	-9029.01	973.50	658005.88	410515.24	32°07'40.8876"N	103°57'23.2048"W	1.25	-0.07	1.25	
17958.57	88.990	181.200	9580.83	9090.40	-9042.58	973.24	658005.62	410501.67	32°07'40.7534"N	103°57'23.2084"W	1.31	-0.37	1.25	
17972.14	88.880	181.380	9581.08	9103.90	-9056.14	972.93	658005.31	410488.11	32°07'40.6192"N	103°57'23.2125"W	1.55	-0.81	1.33	
17985.71	88.790	181.580	9581.35	9117.40	-9069.70	972.58	658004.96	410474.55	32°07'40.4850"N	103°57'23.2172"W	1.62	-0.66	1.47	
17999.29	88.650	181.740	9581.66	9130.90	-9083.28	972.19	658004.57	410460.98	32°07'40.3507"N	103°57'23.2223"W	1.57	-1.03	1.18	
18012.86	88.470	181.890	9582.00	9144.38	-9096.83	971.76	658004.14	410447.42	32°07'40.2166"N	103°57'23.2278"W	1.73	-1.33	1.11	
18026.43	88.430	182.060	9582.36	9157.87	-9110.39	971.29	658003.67	410433.86	32°07'40.0824"N	103°57'23.2338"W	1.29	-0.29	1.25	
18040.00	88.410	182.240	9582.74	9171.34	-9123.95	970.78	658003.16	410420.31	32°07'39.9483"N	103°57'23.2403"W	1.33	-0.15	1.33	
18053.71	88.210	182.360	9583.14	9184.96	-9137.64	970.23	658002.61	410406.62	32°07'39.8129"N	103°57'23.2472"W	1.70	-1.46	0.88	
18067.43	88.030	182.490	9583.59	9198.57	-9151.34	969.65	658002.03	410392.92	32°07'39.6773"N	103°57'23.2546"W	1.62	-1.31	0.95	
18081.14	87.870	182.630	9584.08	9212.17	-9165.03	969.04	658001.42	410379.23	32°07'39.5419"N	103°57'23.2622"W	1.55	-1.17	1.02	
18094.86	87.710	182.780	9584.61	9225.78	-9178.72	968.39	658000.78	410365.54	32°07'39.4064"N	103°57'23.2703"W	1.60	-1.17	1.09	
18108.57	87.610	182.920	9585.17	9239.37	-9192.40	967.71	658000.09	410351.86	32°07'39.2710"N	103°57'23.2788"W	1.25	-0.73	1.02	
18122.29	87.670	183.160	9585.74	9252.96	-9206.09	966.98	657999.37	410338.17	32°07'39.1356"N	103°57'23.2878"W	1.80	0.44	1.75	
18136.00	87.740	183.390	9586.29	9266.54	-9219.77	966.20	657998.59	410324.50	32°07'39.0003"N	103°57'23.2974"W	1.75	0.51	1.68	
18149.57	87.740	183.230	9586.82	9279.98	-9233.31	965.42	657997.80	410310.96	32°07'38.8664"N	103°57'23.3071"W	1.18	0.00	-1.18	
18163.14	87.700	183.020	9587.36	9293.42	-9246.85	964.68	657997.06	410297.42	32°07'38.7324"N	103°57'23.3162"W	1.57	-0.29	-1.55	
18176.71	87.620	182.830	9587.92	9306.87	-9260.39	963.99	657996.37	410283.88	32°07'38.5985"N	103°57'23.3248"W	1.52	-0.59	-1.40	
18190.29	87.790	183.040	9588.46	9320.33	-9273.94	963.29	657995.68	410270.33	32°07'38.4644"N	103°57'23.3335"W	1.99	1.25	1.55	
18203.86	87.930	183.270	9588.97	9333.78	-9287.48	962.54	657994.93	410256.79	32°07'38.3304"N	103°57'23.3427"W	1.98	1.03	1.69	
18217.43	87.680	183.390	9589.49	9347.21	-9301.01	961.76	657994.14	410243.26	32°07'38.1965"N	103°57'23.3524"W	2.04	-1.84	0.88	
18231.00	87.430	183.060	9590.07	9360.65	-9314.55	960.99	657993.38	410229.72	32°07'38.0626"N	103°57'23.3618"W	3.05	-1.84	-2.43	
18244.57	87.460	182.990	9590.67	9374.10	-9328.09	960.28	657992.66	410216.18	32°07'37.9287"N	103°57'23.3707"W	0.56	0.22	-0.52	
18258.14	87.620	183.160	9591.25	9387.54	-9341.63	959.55	657991.94	410202.65	32°07'37.7947"N	103°57'23.3797"W	1.72	1.18	1.25	
18271.71	87.810	183.310	9591.79	9400.98	-9355.16	958.79	657991.17	410189.11	32°07'37.6608"N	103°57'23.3892"W	1.78	1.40	1.11	
18285.29	88.450	183.890	9592.24	9414.42	-9368.71	957.93	657990.32	410175.57	32°07'37.5268"N	103°57'23.3996"W	6.36	4.71	4.27	
18298.86	88.980	184.500	9592.54	9427.84	-9382.24	956.94	657989.33	410162.04	32°07'37.3929"N	103°57'23.4117"W	5.95	3.91	4.50	
18312.43	89.460	185.120	9592.73	9441.23	-9395.76	955.80	657988.19	410148.52	32°07'37.2592"N	103°57'23.4255"W	5.78	3.54	4.57	
18326.00	90.090	185.750	9592.78	9454.61	-9409.27	954.52	657986.91	410135.01	32°07'37.1256"N	103°57'23.4410"W	6.57	4.64	4.64	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
18339.57	90.630	186.560	9592.69	9467.95	-9422.76	953.06	657985.45	410121.52	32°07'36.9921"N	103°57'23.4585"W	7.17	3.98	5.97	
18353.14	90.660	187.210	9592.54	9481.26	-9436.23	951.44	657983.82	410108.05	32°07'36.8589"N	103°57'23.4779"W	4.79	0.22	4.79	
18366.71	90.620	187.920	9592.39	9494.53	-9449.68	949.65	657982.04	410094.60	32°07'36.7258"N	103°57'23.4992"W	5.24	-0.29	5.23	
18380.29	90.680	188.610	9592.24	9507.78	-9463.12	947.70	657980.09	410081.16	32°07'36.5929"N	103°57'23.5225"W	5.10	0.44	5.08	
18393.86	90.450	188.840	9592.10	9521.00	-9476.53	945.64	657978.03	410067.75	32°07'36.4603"N	103°57'23.5470"W	2.40	-1.69	1.69	
18407.43	90.160	188.320	9592.03	9534.22	-9489.95	943.62	657976.00	410054.33	32°07'36.3276"N	103°57'23.5710"W	4.39	-2.14	-3.83	
18421.00	90.220	188.560	9591.98	9547.46	-9503.37	941.62	657974.01	410040.91	32°07'36.1948"N	103°57'23.5948"W	1.82	0.44	1.77	
18434.43	90.490	188.590	9591.90	9560.55	-9516.65	939.62	657972.01	410027.63	32°07'36.0635"N	103°57'23.6186"W	2.02	2.01	0.22	
18447.86	90.880	188.840	9591.74	9573.63	-9529.93	937.59	657969.97	410014.36	32°07'35.9322"N	103°57'23.6428"W	3.45	2.90	1.86	
18461.29	91.220	189.330	9591.49	9586.69	-9543.19	935.47	657967.85	410001.10	32°07'35.8011"N	103°57'23.6680"W	4.44	2.53	3.65	
18474.71	91.420	189.860	9591.19	9599.71	-9556.42	933.23	657965.62	409987.88	32°07'35.6702"N	103°57'23.6945"W	4.22	1.49	3.95	
18488.14	91.410	190.100	9590.85	9612.71	-9569.64	930.90	657963.29	409974.65	32°07'35.5395"N	103°57'23.7221"W	1.79	-0.07	1.79	
18501.57	90.840	189.760	9590.59	9625.73	-9582.86	928.59	657960.98	409961.43	32°07'35.4087"N	103°57'23.7496"W	4.94	-4.24	-2.53	
18515.00	90.610	189.580	9590.42	9638.76	-9596.10	926.33	657958.72	409948.19	32°07'35.2778"N	103°57'23.7763"W	2.17	-1.71	-1.34	
18528.57	90.710	189.670	9590.26	9651.92	-9609.48	924.06	657956.45	409934.81	32°07'35.1455"N	103°57'23.8033"W	0.99	0.74	0.66	
18542.14	90.740	189.610	9590.09	9665.09	-9622.86	921.79	657954.18	409921.44	32°07'35.0132"N	103°57'23.8302"W	0.49	0.22	-0.44	
18555.71	90.650	189.350	9589.93	9678.26	-9636.24	919.56	657951.95	409908.06	32°07'34.8808"N	103°57'23.8568"W	2.03	-0.66	-1.92	
18569.29	90.360	189.090	9589.81	9691.46	-9649.65	917.38	657949.77	409894.65	32°07'34.7483"N	103°57'23.8826"W	2.87	-2.14	-1.91	
18582.86	90.230	189.010	9589.74	9704.66	-9663.05	915.25	657947.64	409881.25	32°07'34.6157"N	103°57'23.9080"W	1.12	-0.96	-0.59	
18596.43	90.210	188.900	9589.69	9717.87	-9676.45	913.13	657945.52	409867.85	32°07'34.4832"N	103°57'23.9331"W	0.82	-0.15	-0.81	
18610.00	90.220	188.950	9589.63	9731.07	-9689.86	911.03	657943.42	409854.44	32°07'34.3506"N	103°57'23.9581"W	0.38	0.07	0.37	
18623.57	90.430	188.900	9589.56	9744.28	-9703.26	908.92	657941.31	409841.04	32°07'34.2180"N	103°57'23.9831"W	1.59	1.55	-0.37	
18637.14	90.610	188.860	9589.43	9757.49	-9716.67	906.83	657939.22	409827.63	32°07'34.0854"N	103°57'24.0080"W	1.36	1.33	-0.29	
18650.71	90.780	188.770	9589.27	9770.70	-9730.08	904.75	657937.14	409814.23	32°07'33.9528"N	103°57'24.0328"W	1.42	1.25	-0.66	
18664.29	90.710	188.650	9589.09	9783.93	-9743.50	902.69	657935.08	409800.81	32°07'33.8201"N	103°57'24.0572"W	1.02	-0.52	-0.88	
18677.86	90.640	188.570	9588.93	9797.15	-9756.92	900.66	657933.05	409787.39	32°07'33.6874"N	103°57'24.0814"W	0.78	-0.52	-0.59	
18691.43	90.540	188.440	9588.79	9810.38	-9770.34	898.66	657931.05	409773.97	32°07'33.5546"N	103°57'24.1053"W	1.21	-0.74	-0.96	
18705.00	90.470	188.380	9588.67	9823.61	-9783.76	896.67	657929.06	409760.55	32°07'33.4219"N	103°57'24.1289"W	0.68	-0.52	-0.44	
18718.57	90.500	188.370	9588.56	9836.85	-9797.18	894.69	657927.09	409747.13	32°07'33.2891"N	103°57'24.1524"W	0.23	0.22	-0.07	
18732.14	90.550	188.410	9588.44	9850.08	-9810.61	892.71	657925.11	409733.70	32°07'33.1563"N	103°57'24.1760"W	0.47	0.37	0.29	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
18745.71	90.540	188.430	9588.31	9863.32	-9824.03	890.73	657923.12	409720.28	32°07'33.0236"N	103°57'24.1996"W	0.16	-0.07	0.15	
18759.29	90.540	188.440	9588.18	9876.56	-9837.46	888.74	657921.13	409706.85	32°07'32.8907"N	103°57'24.2233"W	0.07	0.00	0.07	
18772.86	90.530	188.450	9588.05	9889.79	-9850.89	886.74	657919.13	409693.43	32°07'32.7580"N	103°57'24.2471"W	0.10	-0.07	0.07	
18786.43	90.490	188.420	9587.93	9903.02	-9864.31	884.75	657917.14	409680.01	32°07'32.6252"N	103°57'24.2707"W	0.37	-0.29	-0.22	
18800.00	90.440	188.390	9587.82	9916.26	-9877.73	882.77	657915.16	409666.58	32°07'32.4925"N	103°57'24.2944"W	0.43	-0.37	-0.22	
18813.57	90.430	188.390	9587.72	9929.49	-9891.16	880.79	657913.18	409653.16	32°07'32.3597"N	103°57'24.3179"W	0.07	-0.07	0.00	
18827.14	90.430	188.380	9587.62	9942.73	-9904.58	878.81	657911.20	409639.74	32°07'32.2269"N	103°57'24.3415"W	0.07	0.00	-0.07	
18840.71	90.440	188.380	9587.51	9955.96	-9918.01	876.83	657909.22	409626.31	32°07'32.0942"N	103°57'24.3650"W	0.07	0.07	0.00	
18854.29	90.450	188.380	9587.41	9969.21	-9931.44	874.85	657907.25	409612.88	32°07'31.9613"N	103°57'24.3886"W	0.07	0.07	0.00	
18867.86	90.460	188.410	9587.30	9982.44	-9944.87	872.87	657905.26	409599.46	32°07'31.8285"N	103°57'24.4122"W	0.23	0.07	0.22	
18881.43	90.440	188.440	9587.19	9995.68	-9958.29	870.88	657903.28	409586.03	32°07'31.6958"N	103°57'24.4358"W	0.27	-0.15	0.22	
18895.00	90.430	188.480	9587.09	10008.91	-9971.71	868.89	657901.28	409572.61	32°07'31.5630"N	103°57'24.4596"W	0.30	-0.07	0.29	
18908.57	90.450	188.550	9586.99	10022.14	-9985.13	866.88	657899.27	409559.19	32°07'31.4303"N	103°57'24.4835"W	0.54	0.15	0.52	
18922.14	90.410	188.510	9586.88	10035.37	-9998.55	864.87	657897.26	409545.77	32°07'31.2976"N	103°57'24.5074"W	0.42	-0.29	-0.29	
18935.71	90.230	188.470	9586.81	10048.60	-10011.97	862.86	657895.26	409532.35	32°07'31.1648"N	103°57'24.5313"W	1.36	-1.33	-0.29	
18949.29	90.220	188.030	9586.75	10061.85	-10025.41	860.91	657893.31	409518.92	32°07'31.0319"N	103°57'24.5545"W	3.24	-0.07	-3.24	
18962.86	90.230	187.580	9586.70	10075.11	-10038.86	859.07	657891.46	409505.47	32°07'30.8990"N	103°57'24.5765"W	3.32	0.07	-3.32	
18976.43	90.390	187.280	9586.63	10088.40	-10052.31	857.32	657889.71	409492.02	32°07'30.7659"N	103°57'24.5974"W	2.51	1.18	-2.21	
18990.00	90.230	186.930	9586.55	10101.70	-10065.78	855.64	657888.03	409478.55	32°07'30.6327"N	103°57'24.6175"W	2.84	-1.18	-2.58	
19003.57	90.110	186.690	9586.51	10115.01	-10079.25	854.03	657886.42	409465.08	32°07'30.4994"N	103°57'24.6367"W	1.98	-0.88	-1.77	
19017.14	89.960	186.370	9586.51	10128.33	-10092.73	852.49	657884.88	409451.60	32°07'30.3661"N	103°57'24.6552"W	2.60	-1.11	-2.36	
19030.71	89.750	186.030	9586.54	10141.67	-10106.22	851.02	657883.41	409438.11	32°07'30.2326"N	103°57'24.6728"W	2.94	-1.55	-2.51	
19044.29	89.320	185.700	9586.65	10155.04	-10119.73	849.63	657882.03	409424.60	32°07'30.0990"N	103°57'24.6895"W	3.99	-3.17	-2.43	
19057.86	89.520	185.240	9586.79	10168.41	-10133.24	848.34	657880.73	409411.10	32°07'29.9654"N	103°57'24.7051"W	3.70	1.47	-3.39	
19071.43	89.610	184.820	9586.89	10181.80	-10146.76	847.15	657879.54	409397.58	32°07'29.8317"N	103°57'24.7195"W	3.17	0.66	-3.10	
19085.00	89.780	184.560	9586.96	10195.20	-10160.28	846.04	657878.43	409384.06	32°07'29.6979"N	103°57'24.7329"W	2.29	1.25	-1.92	
19098.57	89.920	184.500	9587.00	10208.60	-10173.81	844.97	657877.36	409370.53	32°07'29.5641"N	103°57'24.7459"W	1.12	1.03	-0.44	
19112.14	90.030	184.430	9587.00	10222.01	-10187.34	843.91	657876.31	409357.00	32°07'29.4302"N	103°57'24.7588"W	0.96	0.81	-0.52	
19125.71	90.050	184.310	9586.99	10235.43	-10200.87	842.88	657875.27	409343.47	32°07'29.2964"N	103°57'24.7713"W	0.90	0.15	-0.88	
19139.29	89.980	184.190	9586.99	10248.85	-10214.41	841.87	657874.27	409329.93	32°07'29.1624"N	103°57'24.7836"W	1.02	-0.52	-0.88	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
19152.86	89.960	184.050	9587.00	10262.27	-10227.95	840.90	657873.29	409316.40	32°07'29.0285"N	103°57'24.7955"W	1.04	-0.15	-1.03	
19166.43	89.910	183.890	9587.01	10275.70	-10241.48	839.96	657872.35	409302.86	32°07'28.8946"N	103°57'24.8070"W	1.24	-0.37	-1.18	
19180.00	89.860	183.710	9587.04	10289.13	-10255.02	839.06	657871.45	409289.32	32°07'28.7606"N	103°57'24.8180"W	1.38	-0.37	-1.33	
19193.57	89.690	183.580	9587.09	10302.57	-10268.57	838.19	657870.59	409275.78	32°07'28.6266"N	103°57'24.8285"W	1.58	-1.25	-0.96	
19207.14	89.540	183.430	9587.19	10316.01	-10282.11	837.37	657869.76	409262.24	32°07'28.4926"N	103°57'24.8387"W	1.56	-1.11	-1.11	
19220.71	89.420	183.250	9587.31	10329.46	-10295.66	836.57	657868.97	409248.69	32°07'28.3586"N	103°57'24.8485"W	1.59	-0.88	-1.33	
19234.29	89.390	183.030	9587.45	10342.92	-10309.21	835.83	657868.23	409235.13	32°07'28.2245"N	103°57'24.8577"W	1.63	-0.22	-1.62	
19247.86	89.370	182.810	9587.60	10356.38	-10322.77	835.14	657867.53	409221.58	32°07'28.0904"N	103°57'24.8663"W	1.63	-0.15	-1.62	
19261.43	89.390	182.600	9587.74	10369.85	-10336.32	834.50	657866.89	409208.03	32°07'27.9563"N	103°57'24.8743"W	1.55	0.15	-1.55	
19275.00	89.440	182.390	9587.88	10383.32	-10349.88	833.91	657866.30	409194.48	32°07'27.8222"N	103°57'24.8817"W	1.59	0.37	-1.55	
19288.43	89.620	182.100	9587.99	10396.66	-10363.30	833.38	657865.78	409181.06	32°07'27.6894"N	103°57'24.8884"W	2.54	1.34	-2.16	
19301.86	89.670	181.760	9588.08	10410.01	-10376.72	832.93	657865.33	409167.64	32°07'27.5566"N	103°57'24.8942"W	2.56	0.37	-2.53	
19315.29	89.570	181.490	9588.16	10423.37	-10390.14	832.55	657864.94	409154.21	32°07'27.4238"N	103°57'24.8991"W	2.14	-0.74	-2.01	
19328.71	89.360	181.340	9588.29	10436.72	-10403.56	832.22	657864.61	409140.80	32°07'27.2911"N	103°57'24.9035"W	1.92	-1.56	-1.12	
19342.14	89.190	181.130	9588.46	10450.08	-10416.98	831.93	657864.32	409127.37	32°07'27.1582"N	103°57'24.9074"W	2.01	-1.27	-1.56	
19355.57	89.270	180.830	9588.64	10463.45	-10430.41	831.70	657864.09	409113.95	32°07'27.0254"N	103°57'24.9107"W	2.31	0.60	-2.23	
19369.00	89.560	180.660	9588.78	10476.83	-10443.84	831.52	657863.92	409100.52	32°07'26.8925"N	103°57'24.9132"W	2.50	2.16	-1.27	
19382.57	89.740	180.740	9588.86	10490.35	-10457.41	831.36	657863.75	409086.95	32°07'26.7582"N	103°57'24.9157"W	1.45	1.33	0.59	
19396.14	89.730	180.720	9588.92	10503.86	-10470.98	831.19	657863.58	409073.39	32°07'26.6240"N	103°57'24.9183"W	0.16	-0.07	-0.15	
19409.71	89.640	180.760	9589.00	10517.38	-10484.54	831.01	657863.41	409059.82	32°07'26.4897"N	103°57'24.9209"W	0.73	-0.66	0.29	
19423.29	89.490	180.750	9589.10	10530.90	-10498.12	830.83	657863.23	409046.24	32°07'26.3554"N	103°57'24.9235"W	1.11	-1.10	-0.07	
19436.86	89.570	180.790	9589.21	10544.42	-10511.69	830.65	657863.04	409032.67	32°07'26.2211"N	103°57'24.9262"W	0.66	0.59	0.29	
19450.43	89.600	180.610	9589.31	10557.94	-10525.26	830.48	657862.88	409019.11	32°07'26.0869"N	103°57'24.9286"W	1.34	0.22	-1.33	
19464.00	89.750	180.510	9589.39	10571.46	-10538.83	830.35	657862.75	409005.54	32°07'25.9526"N	103°57'24.9307"W	1.33	1.11	-0.74	
19477.57	89.860	180.460	9589.43	10584.98	-10552.40	830.24	657862.63	408991.97	32°07'25.8183"N	103°57'24.9326"W	0.89	0.81	-0.37	
19491.14	89.960	180.400	9589.45	10598.50	-10565.97	830.13	657862.53	408978.40	32°07'25.6840"N	103°57'24.9344"W	0.86	0.74	-0.44	
19504.71	90.020	180.390	9589.46	10612.02	-10579.54	830.04	657862.44	408964.83	32°07'25.5498"N	103°57'24.9360"W	0.45	0.44	-0.07	
19518.29	89.960	180.490	9589.46	10625.56	-10593.12	829.94	657862.33	408951.25	32°07'25.4154"N	103°57'24.9378"W	0.86	-0.44	0.74	
19531.86	89.930	180.600	9589.47	10639.08	-10606.69	829.81	657862.20	408937.69	32°07'25.2811"N	103°57'24.9398"W	0.84	-0.22	0.81	
19545.43	89.990	180.630	9589.48	10652.60	-10620.26	829.66	657862.06	408924.12	32°07'25.1469"N	103°57'24.9421"W	0.49	0.44	0.22	



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH DATA (831 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
19559.00	90.060	180.640	9589.48	10666.11	-10633.83	829.51	657861.91	408910.55	32°07'25.0126"N	103°57'24.9444"W	0.52	0.52	0.07	
19572.57	90.090	180.670	9589.46	10679.63	-10647.39	829.36	657861.75	408896.98	32°07'24.8783"N	103°57'24.9467"W	0.31	0.22	0.22	
19586.14	90.050	180.650	9589.44	10693.15	-10660.96	829.20	657861.60	408883.41	32°07'24.7441"N	103°57'24.9491"W	0.33	-0.29	-0.15	
19599.71	90.020	180.620	9589.43	10706.67	-10674.53	829.05	657861.44	408869.85	32°07'24.6098"N	103°57'24.9514"W	0.31	-0.22	-0.22	
19613.29	89.990	180.630	9589.43	10720.20	-10688.11	828.90	657861.30	408856.27	32°07'24.4755"N	103°57'24.9537"W	0.23	-0.22	0.07	
19626.86	89.970	180.580	9589.44	10733.72	-10701.68	828.76	657861.15	408842.70	32°07'24.3412"N	103°57'24.9559"W	0.40	-0.15	-0.37	
19640.43	89.950	180.570	9589.45	10747.24	-10715.25	828.62	657861.02	408829.13	32°07'24.2069"N	103°57'24.9580"W	0.16	-0.15	-0.07	
19654.00	89.940	180.560	9589.46	10760.76	-10728.82	828.49	657860.88	408815.56	32°07'24.0727"N	103°57'24.9601"W	0.10	-0.07	-0.07	
19667.57	89.930	180.560	9589.47	10774.28	-10742.39	828.36	657860.75	408801.99	32°07'23.9384"N	103°57'24.9622"W	0.07	-0.07	0.00	
19681.14	89.940	180.560	9589.49	10787.80	-10755.96	828.22	657860.62	408788.43	32°07'23.8041"N	103°57'24.9643"W	0.07	0.07	0.00	
19694.71	89.950	180.550	9589.50	10801.32	-10769.53	828.09	657860.49	408774.86	32°07'23.6698"N	103°57'24.9664"W	0.10	0.07	-0.07	
19708.29	89.910	180.510	9589.52	10814.85	-10783.11	827.97	657860.36	408761.28	32°07'23.5355"N	103°57'24.9684"W	0.42	-0.29	-0.29	
19721.86	89.870	180.480	9589.55	10828.37	-10796.68	827.85	657860.24	408747.71	32°07'23.4012"N	103°57'24.9703"W	0.37	-0.29	-0.22	
19735.43	89.860	180.470	9589.58	10841.89	-10810.25	827.74	657860.13	408734.14	32°07'23.2669"N	103°57'24.9722"W	0.10	-0.07	-0.07	
19749.00	89.860	180.400	9589.61	10855.41	-10823.82	827.63	657860.03	408720.57	32°07'23.1327"N	103°57'24.9739"W	0.52	0.00	-0.52	
19762.00	89.830	180.290	9589.65	10868.37	-10836.82	827.55	657859.95	408707.58	32°07'23.0040"N	103°57'24.9754"W	0.88	-0.23	-0.85	
19769.00†	89.765	180.274	9589.67	10875.34	-10843.82	827.52	657859.92	408700.58	32°07'22.9348"N	103°57'24.9760"W	0.95	-0.92	-0.23	LTP/100'FSL Crossing: 19769.00ft MD
19775.00	89.710	180.260	9589.70	10881.33	-10849.82	827.49	657859.89	408694.58	32°07'22.8754"N	103°57'24.9766"W	0.95	-0.92	-0.23	
19788.00	89.700	180.270	9589.77	10894.28	-10862.81	827.43	657859.83	408681.58	32°07'22.7468"N	103°57'24.9778"W	0.11	-0.08	0.08	
19801.00	89.710	180.240	9589.83	10907.24	-10875.81	827.37	657859.77	408668.58	32°07'22.6181"N	103°57'24.9790"W	0.24	0.08	-0.23	
19821.00‡	89.710	180.240	9589.93	10927.18	-10895.81	827.29	657859.69	408648.58	32°07'22.4202"N	103°57'24.9808"W	0.00	0.00	0.00	Projection to TD: 19821.00ft MD



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H_ awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Corral Bluff 11-14 Fed Com 23H - FTP	9530.00	-421.27	795.22	657827.62	419122.31	32°09'6.0692"N	103°57'24.9281"W	point
Corral Bluff 11-14 Fed Com 23H - LTP	9530.00	-10844.16	833.22	657865.62	408700.23	32°07'22.9312"N	103°57'24.9097"W	point
Corral Bluff 11-14 Fed Com 23H - PBHL	9530.00	-10924.15	833.58	657865.98	408620.25	32°07'22.1397"N	103°57'24.9088"W	point
Corral Bluff 11-14 Fed Com 23H - PP	9530.00	-371.28	795.07	657827.47	419172.30	32°09'6.5639"N	103°57'24.9278"W	point

WELLPATH COMPOSITION - Ref Wellbore: Corral Bluff 11-14 Fed Com 23H AWB Ref Wellpath: Corral Bluff 11-14 Fed Com 23H_ awp 160'-19801' Proj: 19821'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
26.00	631.00	OWSG MWD+HRGM+SAG	Adjusted Surface Surveys 160'-631' (Imported)	Corral Bluff 11-14 Fed Com 23H AWB	4/18/2024
631.00	10010.00	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	PHX MWD Surveys 785'-10010' (Imported)	Corral Bluff 11-14 Fed Com 23H AWB	4/18/2024
10010.00	19821.00	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	6-3/4" BKR Lucida MWD Surveys 10080'-19801'	Corral Bluff 11-14 Fed Com 23H AWB	4/18/2024



Actual Wellpath Report

Corral Bluff 11-14 Fed Com 23H_ awp 160'-19801' Proj: 19821'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Corral Bluff 11-14 Fed Com 23H
Field	Pierce Crossing; Bone Spring, East - Eddy County, NM (NAD-83)	API	30-015-48020-00
Facility	Corral Bluff 11-14 Fed Com Pad	Wellbore	Corral Bluff 11-14 Fed Com 23H AWB
Slot	Corral Bluff 11-14 Fed Com 23H		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
160.00	0.600	20.890	160.00	Adjusted Surface Surveys 160'-631' (Imported)
785.00	0.420	60.260	784.94	PHX MWD Surveys 785'-10010' (Imported)
6455.00	19.403	125.149	6368.57	Lease Line Crossing: 6455.00ft MD
6960.00	15.941	125.684	6844.91	FTP/100'FNL Crossing: 6960.00ft MD
10080.00	87.220	178.300	9537.16	6-3/4" BKR Lucida MWD Surveys 10080'-19801'
19769.00	89.765	180.274	9589.67	LTP/100'FSL Crossing: 19769.00ft MD
19821.00	89.710	180.240	9589.93	Projection to TD: 19821.00ft MD

COMMENTS

Wellpath general comments

Actual Line Calls

Lease Line Crossing @ 6455.00ft MD: 1957'FWL

FTP/100'FNL Crossing @ 6960.00ft MD: 100'FNL & 2092'FWL

LTP/100'FSL Crossing @ 19801.00ft MD: 100'FSL & 2104'FWL

Projection to TD @ 19821.00ft MD: 48'FSL & 2103'FWL

Well Name: CORRAL BLUFF 11_14 FEDERAL COM	Well Location: T25S / R29E / SEC 2 / SWSW / 32.152849 / -103.959617	County or Parish/State: EDDY / NM
Well Number: 23H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM15303	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548020	Operator: OXY USA INCORPORATED	

Subsequent Report

Sundry ID: 2802460

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 07/23/2024	Time Sundry Submitted: 10:57
Date Operation Actually Began: 06/27/2024	

Actual Procedure: RUPU 06/27/24, RIH & clean out to PBTD @ 19781', pressure test casing to 6000# for 30 min, good test. RIH & perf @ 10088-19654' Total 1521 holes. Frac in 38 stages w/ 406689BBL Produced Water + 13122BBL Brackish Water (> 1,000 mg/I TDS and 10,000 mg/I TDS) w/ 24131210# sand, RD Frac 07/13/24. Well ready to produce 07/16/24. OXY USA Inc. requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 08/31/2024.

Received by OCD: 7/25/2024 10:04:42 AM

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Well Name: CORRAL BLUFF 11_14 FEDERAL COM	Well Location: T25S / R29E / SEC 2 / SWSW / 32.152849 / -103.959617	County or Parish/State: EDDY / NM
Well Number: 23H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM15303	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548020	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: JANA MENDIOLA	Signed on: JUL 23, 2024 10:57 AM
Name: OXY USA INCORPORATED	
Title: Regulatory Advisor	
Street Address: 1600 GEHRIG DR	
City: MIDLAND	State: TX
Phone: (432) 685-5936	
Email address: Janalyn_mendiola@oxy.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 07/24/2024
Signature: Jonathon Shepard	

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name CORRAL BLUFF 11-14 FEDERAL COM 6. Well Number: 23H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator: OXY USA INC.						9. OGRID: 16696				
10. Address of Operator: P.O. BOX 50250 MIDLAND, TX 79710						11. Pool name or Wildcat PIERCE CROSSING; BONE SPRING, EAST				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	2	25S	29E		323	SOUTH	1315	WEST	EDDY
BH:	N	14	25S	29E		48	SOUTH	2104	WEST	EDDY
13. Date Spudded 04/21/24		14. Date T.D. Reached 05/19/2024		15. Date Rig Released 05/21/2024		16. Date Completed (Ready to Produce) 07/16/2024		17. Elevations (DF and RKB, RT, GR, etc.) 3051' GL		
18. Total Measured Depth of Well 19821'M 9590'V				19. Plug Back Measured Depth 19781'M 9590'V		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 10088-19654' 2 ND BONE SPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10.75" J55		45.5		674'		14.75"		685sx-surf circ		
7.827" P110S		39.3		10060'		9.875"		1907sx-surf		
5.5" P110 CY liner		20		8762'-19806'		6.75"		551sx-TOC@8762'		
24. LINER RECORD										
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		
25. TUBING RECORD										
SIZE		DEPTH SET		PACKER SET						
26. Perforation record (interval, size, and number) 10088-19654' Total 1521 holes, Hole Size=0.42						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10088-19654'		406689BBL Produced Water + 13122BBL Brackish Water (> 1,000 mg/l TDS and 10,000 mg/l TDS) w/ 24131210# sand		
28. PRODUCTION										
Date First Production 07/21/2024		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Prod.				
Date of Test 07/25/2024	Hours Tested 24 hrs.	Choke Size 40	Prod'n For Test Period	Oil - Bbl 1160	Gas - MCF 2809	Water - Bbl. 5043	Gas - Oil Ratio 2422			
Flow Tubing Press.	Casing Pressure 1235	Calculated 24- Hour Rate	Oil - Bbl. 1160	Gas - MCF 2809	Water - Bbl. 5043	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD							30. Test Witnessed By			
31. List Attachments WBD, C-104, As-Drilled C-102, Final Directional Survey, Completion Sundry C-103										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Printed										
Signature:		Name: Jana Mendiola			Title: Regulatory Advisor			Date: 07/25/2024		
E-mail Address: janalyn_mendiola@oxy.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 318'	T. Bell Canyon 3185'	T. Ojo Alamo	T. Penn A"
T. Salado 727'	T. Strawn	T. Kirtland	T. Penn. "B"
T. Castile 1686'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Delaware 3259'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Cherry Canyon 4075'	T. Devonian	T. Cliff House	T. Leadville
T. Brushy Canyon 5479'	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Spring 7057'	T. Todilto	
T. Abo	T. 1st Bone Spring 7966'	T. Entrada	
T. Wolfcamp	T. 2nd Bone Spring 8847'	T. Wingate	
T. Penn	T. 3 rd Bone Spring	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

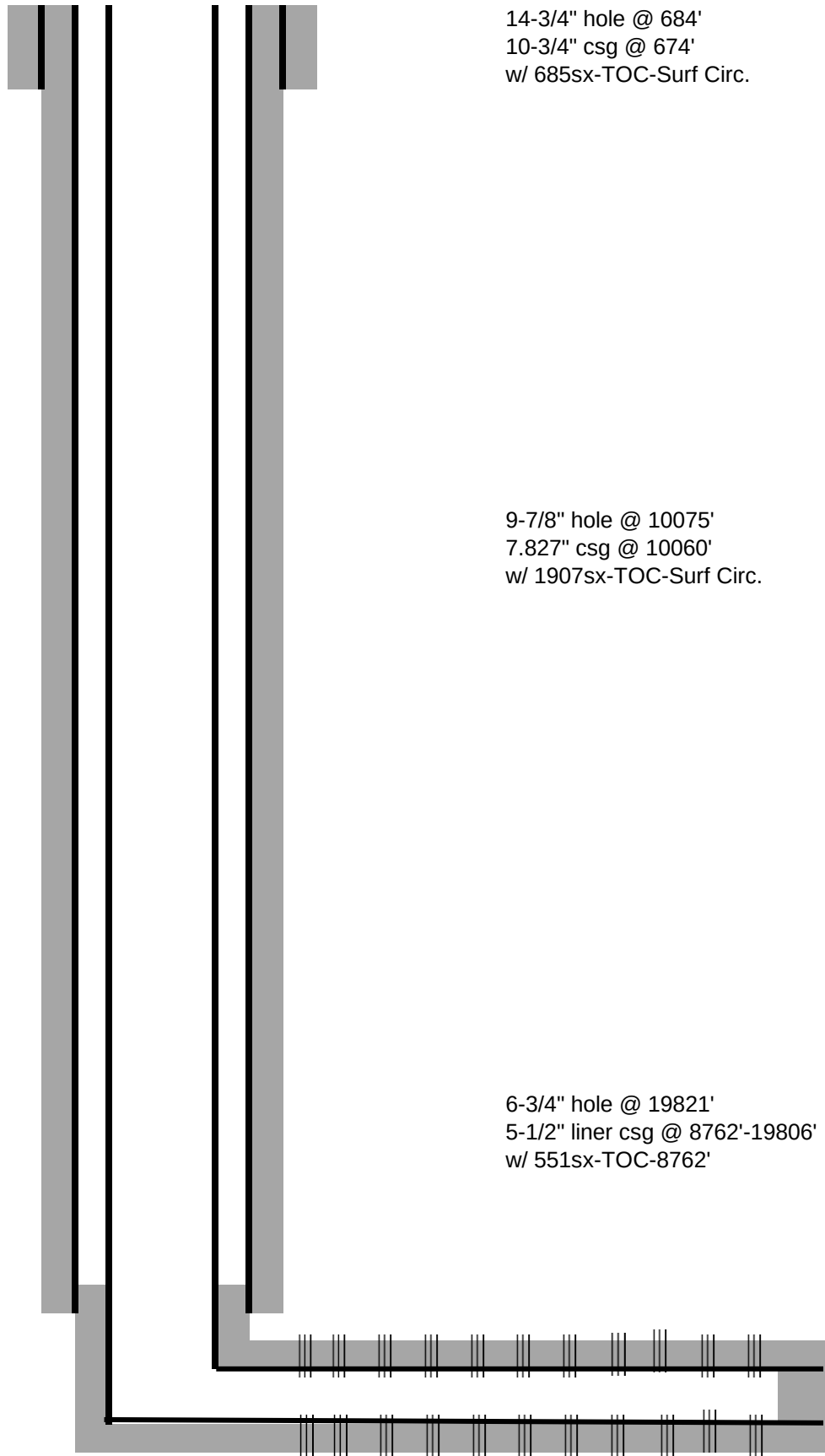
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

OXY USA Inc.
CORRAL BLUFF 11-14 FEDERAL COM 23H
API No. 30-015-48020



Perfs @ 10088-19654'

TD- 19821'M 9590'V

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

ACKNOWLEDGMENTS

Action 367297

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 367297
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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 367297

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 367297
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	5/16/2025