

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104

Revised August 1, 2011

District II

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: RT - 01/06/2023
⁴ API Number 30 - 015-46826	⁵ Pool Name PURPLE SAGE WOLFCAMP *NSL-7966	⁶ Pool Code 98220
⁷ Property Code: 327307	⁸ Property Name: RADIUS CC 6-7 FEDERAL COM	⁹ Well Number: 52H

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
3	6	24S	29E		170	NORTH	1350	WEST	EDDY

¹¹ Bottom Hole Location

FTP- 270' FNL 2216' FWL LTP- 455' FSL 2294' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	7	24S	29E		278	SOUTH	2293	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code : F		¹⁴ Gas Connection Date: TBD		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 09/09/22	²² Ready Date 01/06/2023	²³ TD 20900'M 10855'V	²⁴ PBTD 20850'M 10855'V	²⁵ Perforations 10747-20723'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17-1/2"		13-3/8"		454'	550
12-1/4"		9-5/8"		10234'	3140
8-1/2"		7" X 5-1/2"		20861'	2100

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

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: SR. REGULATORY ANALYST

E-mail Address:
Janalyn_mendiola@oxy.com

Date: 01/06/2023 Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by: Sarah McGrath

Title: Petroleum Specialist - A

Approval Date: 02/16/2023

RT Expires 04/06/2023

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised August 1, 2011
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District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-015-46826		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP					
⁴ Property Code 327307		Property Name RADIUS CC 6_7 FEDERAL COM			⁶ Well Number 52H				
⁷ OGRID No. 16696		⁸ Operator Name OXY USA INC.			⁹ Elevation 2959'				
¹⁰ Surface Location									
UL or lot no. L 3	Section 6	Township 24S	Range 29E	Lot Idn 	Feet from the 170	North/South line NORTH	Feet from the 1350	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. N	Section 7	Township 24S	Range 29E	Lot Idn 	Feet from the 278	North/South line SOUTH	Feet from the 2293	East/West line WEST	County EDDY
¹² Dedicated Acres 637.33		¹³ Joint or Infill 		¹⁴ Consolidation Code 		¹⁵ Order No. NSL-7966			

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.

	CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 637049.26' / Y: 451044.98' B - X: 637072.27' / Y: 445724.48' C - X: 634436.12' / Y: 445726.01' D - X: 634422.84' / Y: 448388.78' E - X: 634408.99' / Y: 451053.94' F - X: 634394.89' / Y: 453719.23' G - X: 634380.78' / Y: 456386.39' H - X: 637020.43' / Y: 456367.55'	CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 595865.68' / Y: 450986.01' B - X: 595888.56' / Y: 445665.61' C - X: 593252.47' / Y: 445667.18' D - X: 593239.24' / Y: 448329.90' E - X: 593225.45' / Y: 450985.01' F - X: 593211.41' / Y: 453660.24' G - X: 593197.37' / Y: 456327.34' H - X: 595836.98' / Y: 456308.47'	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 with the division. Signature: Date: 01/06/23	
	SURFACE HOLE LOCATION 170' FNL 1350' FWL, SECTION 6 0' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 635731.76' / Y: 456206.55' LAT: 32.25381813N / LON: 104.02798044W NAD 27, SPCS NM EAST X: 594548.33' / Y: 456147.49' LAT: 32.25369621N / LON: 104.02748903W	KICK OFF POINT 79' FNL 2163' FWL, SECTION 6 10373' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 636544.17' / Y: 456292.40' LAT: 32.25404774N / LON: 104.02535164W NAD 27, SPCS NM EAST X: 595360.73' / Y: 456233.33' LAT: 32.25392578N / LON: 104.02468703W	FIRST TAKE POINT 270' FNL 2216' FWL, SECTION 6 10747' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 636598.25' / Y: 456100.55' LAT: 32.25351994N / LON: 104.02517848W NAD 27, SPCS NM EAST X: 595414.80' / Y: 456041.48' LAT: 32.25339798N / LON: 104.02468720W	18 SURVEYOR CERTIFICATION I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global. Date of Survey: JANUARY 4, 2023 Signature and Seal of Professional Surveyor:
	LAST TAKE POINT 455' FSL 2294' FWL, SECTION 7 20723' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 636727.89' / Y: 446179.70' LAT: 32.22624789N / LON: 104.02485130W NAD 27, SPCS NM EAST X: 595544.20' / Y: 446120.83' LAT: 32.22612560N / LON: 104.02436094W	BOTTOM HOLE LOCATION 278' FSL 2293' FWL, SECTION 7 20900' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 636728.11' / Y: 446002.59' LAT: 32.22576104N / LON: 104.02485223W NAD 27, SPCS NM EAST X: 595544.42' / Y: 445943.73' LAT: 32.22563874N / LON: 104.02436189W	Certificate Number LLOYD P. SHORT 21653	
	SHEET 1 OF 1 JOB No. OXY_0011_RD01 REV 0 BM 1/4/2023			

Distances/areas relative to NAD 83 Combined Scale Factor: 0.9997778 Convergence Angle: 00°08'28.5600"



Location: Eddy County, NM

Field: Purple Sage Wolfcamp (Gas) - Eddy County, NM

Facility: Dimensions WCL 31 Pad

Slot: Radius CC 6-7 Federal Com 52H

Well: Radius CC 6-7 Federal Com 52H

Wellbore: Radius CC 6-7 Federal Com 52H AWB

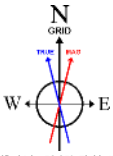


Plot reference wellpath is Radius CC 6-7 Federal Com 52H awp 94.29'-20870' Proj. 20900'	Grid System: NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
True vertical depths are referenced to H&P 479 (KB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 479 (KB)	Scale: True distance
H&P 479 (KB) to Mean Sea Level: 2983.9 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Radius CC 6-7 Federal Com 52H): -2958.9 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: moyayusa on 2022-11-24, Database: WA_HOU_Midland_Deln

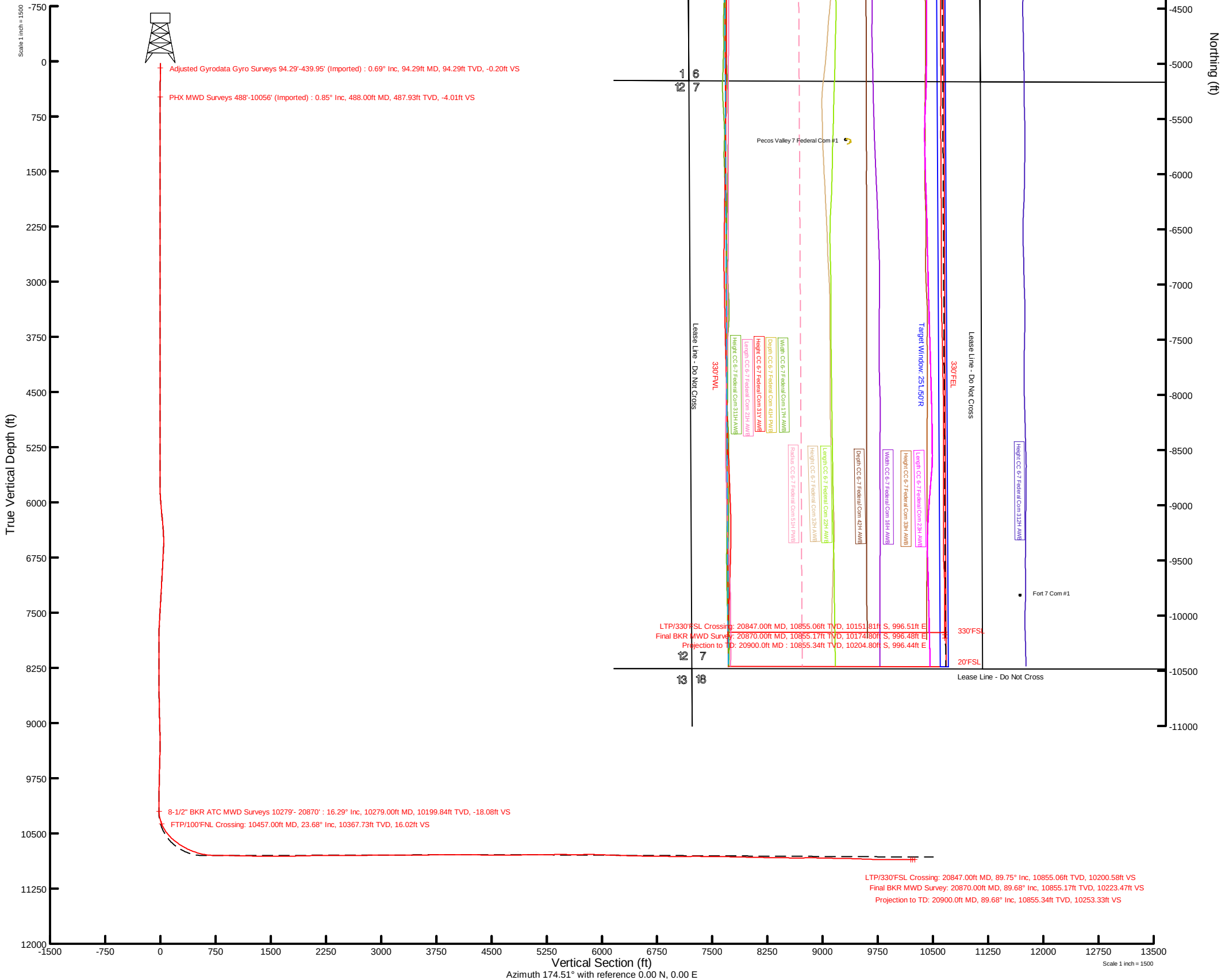
Location Information					
Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Dimensions WCL 31 Pad		634983.440	456179.140	32°15'13.4950"N	104°01'49.4450"W
Slot		Local N (ft)	Local E (ft)	Grid North (US ft)	Grid North (US ft)
Radius CC 6-7 Federal Com 52H		27.41	748.38	635731.760	456206.550
H&P 479 (KB) to Ground level (At Slot: Radius CC 6-7 Federal Com 52H)					25ft
Mean Sea Level to Ground level (At Slot: Radius CC 6-7 Federal Com 52H)					-2958.9ft
H&P 479 (KB) to Mean Sea Level					2983.9ft

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	10056.00	13.580	81.270	9984.39	88.37	728.61	1.50	-18.25
Projection to Bit	10196.00	15.500	82.000	10119.90	93.47	763.38	1.38	-20.00
Start Build/Turn	10284.92	15.500	82.000	10205.59	96.77	786.91	0.00	-21.04
End Build/Cont. Turn - Landing	11246.27	90.200	179.867	10802.00	-501.28	952.74	9.60	590.14
End Turn	11254.59	90.200	179.701	10801.97	-509.60	952.77	2.00	598.42
Start Drop	15272.67	90.200	179.701	10787.94	-4527.60	973.76	0.00	4650.00
End Drop	15298.88	89.676	179.701	10787.97	-4553.81	973.90	2.00	4626.10
PBHL (20FSL & 2300FWL)	21208.04	89.676	179.701	10821.41	-10462.80	1004.76	0.00	10510.93

Bottom Hole Location							
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
20900.00	89.680	180.090	10855.34	-10204.80	996.44	636728.11	446002.59
							32°13'32.7397"N
							104°01'29.4680"W



User specified Dip: 59.95° Field: 47538.5 nT
Magnetic North is 6.77 degrees East of True North (at 11/10/2022)
Grid North is 0.16 degrees East of True North
To correct azimuth from True to Grid subtract 0.16 degrees
To correct azimuth from Magnetic to Grid add 6.61 degrees





Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

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	0.999919	Report Generated	11/24/2022 at 4:31:03 PM
Convergence at slot	0.16° 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	27.41	748.38	635731.76	456206.55	32°15'13.7453"N	104°01'40.7296"W
Facility Reference Pt			634983.44	456179.14	32°15'13.4950"N	104°01'49.4450"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 479 (KB) to Facility Vertical Datum	2983.90ft
Horizontal Reference Pt	Slot	H&P 479 (KB) to Mean Sea Level	2983.90ft
Vertical Reference Pt	H&P 479 (KB)	H&P 479 (KB) to Ground Level at Slot (Radius CC 6-7 Federal Com 52H)	25.00ft
MD Reference Pt	H&P 479 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	174.51°



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH DATA (221 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	292.380	0.00	0.00	0.00	0.00	635731.76	456206.55	32°15'13.7453"N	104°01'40.7296"W	0.00	0.00	0.00	
25.00	0.000	292.380	25.00	0.00	0.00	0.00	635731.76	456206.55	32°15'13.7453"N	104°01'40.7296"W	0.00	0.00	0.00	
94.29	0.690	292.380	94.29	-0.20	0.16	-0.39	635731.37	456206.71	32°15'13.7468"N	104°01'40.7341"W	1.00	1.00	0.00	Adjusted Gyrodata Gyro Surveys 94.29'-439.95' (Imp
176.39	0.950	299.830	176.38	-0.82	0.69	-1.43	635730.33	456207.24	32°15'13.7521"N	104°01'40.7463"W	0.34	0.32	9.07	
264.42	1.250	301.820	264.39	-1.82	1.55	-2.88	635728.88	456208.10	32°15'13.7607"N	104°01'40.7631"W	0.34	0.34	2.26	
358.77	1.220	295.320	358.72	-2.96	2.53	-4.66	635727.10	456209.08	32°15'13.7704"N	104°01'40.7838"W	0.15	-0.03	-6.89	
439.95	1.100	288.980	439.89	-3.73	3.15	-6.18	635725.58	456209.70	32°15'13.7766"N	104°01'40.8015"W	0.22	-0.15	-7.81	
488.00	0.850	279.160	487.93	-4.01	3.36	-6.97	635724.79	456209.91	32°15'13.7787"N	104°01'40.8107"W	0.62	-0.52	-20.44	PHX MWD Surveys 488'-10056' (Imported)
577.00	0.070	27.220	576.92	-4.22	3.51	-7.60	635724.16	456210.06	32°15'13.7802"N	104°01'40.8179"W	0.98	-0.88	121.42	
666.00	0.160	149.430	665.92	-4.15	3.45	-7.51	635724.25	456210.00	32°15'13.7796"N	104°01'40.8169"W	0.23	0.10	137.31	
755.00	0.150	201.460	754.92	-3.94	3.24	-7.49	635724.27	456209.79	32°15'13.7775"N	104°01'40.8167"W	0.15	-0.01	58.46	
844.00	0.140	176.780	843.92	-3.73	3.02	-7.53	635724.24	456209.57	32°15'13.7753"N	104°01'40.8171"W	0.07	-0.01	-27.73	
932.00	0.130	332.240	931.92	-3.71	3.00	-7.57	635724.19	456209.55	32°15'13.7752"N	104°01'40.8176"W	0.30	-0.01	176.66	
1021.00	0.140	358.700	1020.92	-3.91	3.20	-7.62	635724.15	456209.75	32°15'13.7771"N	104°01'40.8182"W	0.07	0.01	29.73	
1115.00	0.150	298.050	1114.92	-4.09	3.37	-7.73	635724.03	456209.92	32°15'13.7788"N	104°01'40.8195"W	0.16	0.01	-64.52	
1209.00	0.120	99.450	1208.92	-4.14	3.41	-7.74	635724.02	456209.96	32°15'13.7792"N	104°01'40.8196"W	0.28	-0.03	171.70	
1303.00	0.130	264.750	1302.92	-4.11	3.39	-7.75	635724.01	456209.94	32°15'13.7790"N	104°01'40.8197"W	0.26	0.01	175.85	
1397.00	0.140	117.860	1396.92	-4.05	3.32	-7.75	635724.01	456209.87	32°15'13.7784"N	104°01'40.8197"W	0.28	0.01	-156.27	
1492.00	0.150	60.720	1491.92	-4.04	3.33	-7.54	635724.22	456209.88	32°15'13.7784"N	104°01'40.8173"W	0.15	0.01	-60.15	
1586.00	0.140	272.540	1585.92	-4.10	3.40	-7.55	635724.21	456209.94	32°15'13.7791"N	104°01'40.8174"W	0.30	-0.01	-157.64	
1681.00	0.120	215.880	1680.92	-4.04	3.32	-7.72	635724.04	456209.87	32°15'13.7783"N	104°01'40.8194"W	0.13	-0.02	-59.64	
1775.00	0.170	128.140	1774.92	-3.87	3.15	-7.67	635724.09	456209.70	32°15'13.7767"N	104°01'40.8188"W	0.22	0.05	-93.34	
1869.00	0.140	162.150	1868.92	-3.66	2.96	-7.53	635724.24	456209.51	32°15'13.7747"N	104°01'40.8171"W	0.10	-0.03	36.18	
1963.00	0.140	51.610	1962.92	-3.61	2.92	-7.40	635724.36	456209.47	32°15'13.7744"N	104°01'40.8157"W	0.24	0.00	-117.60	
2057.00	0.110	330.300	2056.92	-3.76	3.07	-7.36	635724.41	456209.62	32°15'13.7758"N	104°01'40.8151"W	0.17	-0.03	-86.50	
2151.00	0.120	315.310	2150.92	-3.92	3.22	-7.47	635724.29	456209.77	32°15'13.7773"N	104°01'40.8165"W	0.03	0.01	-15.95	
2246.00	0.130	101.140	2245.92	-3.96	3.27	-7.43	635724.33	456209.82	32°15'13.7778"N	104°01'40.8160"W	0.25	0.01	153.51	
2341.00	0.150	152.730	2340.92	-3.82	3.14	-7.27	635724.49	456209.69	32°15'13.7765"N	104°01'40.8142"W	0.13	0.02	54.31	
2435.00	0.100	54.500	2434.92	-3.74	3.08	-7.15	635724.61	456209.62	32°15'13.7759"N	104°01'40.8127"W	0.20	-0.05	-104.50	
2530.00	0.090	7.350	2529.92	-3.86	3.20	-7.07	635724.69	456209.75	32°15'13.7771"N	104°01'40.8118"W	0.08	-0.01	-49.63	



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH DATA (221 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
2624.00	0.160	295.090	2623.92	-4.00	3.33	-7.18	635724.58	456209.88	32°15'13.7784"N	104°01'40.8131"W	0.17	0.07	-76.87	
2718.00	0.140	267.620	2717.92	-4.07	3.38	-7.41	635724.35	456209.93	32°15'13.7789"N	104°01'40.8158"W	0.08	-0.02	-29.22	
2811.00	0.120	148.540	2810.92	-3.99	3.29	-7.48	635724.28	456209.84	32°15'13.7780"N	104°01'40.8165"W	0.24	-0.02	-128.04	
2905.00	0.130	205.340	2904.92	-3.81	3.11	-7.47	635724.29	456209.66	32°15'13.7762"N	104°01'40.8165"W	0.13	0.01	60.43	
2999.00	0.100	92.310	2998.92	-3.71	3.01	-7.43	635724.33	456209.56	32°15'13.7752"N	104°01'40.8161"W	0.20	-0.03	-120.24	
3093.00	0.140	262.480	3092.92	-3.69	2.99	-7.47	635724.29	456209.54	32°15'13.7751"N	104°01'40.8164"W	0.25	0.04	181.03	
3187.00	0.120	183.320	3186.92	-3.59	2.88	-7.59	635724.18	456209.43	32°15'13.7739"N	104°01'40.8178"W	0.18	-0.02	-84.21	
3281.00	0.120	41.450	3280.92	-3.56	2.85	-7.53	635724.23	456209.40	32°15'13.7737"N	104°01'40.8171"W	0.24	0.00	-150.93	
3376.00	0.120	75.490	3375.92	-3.64	2.95	-7.36	635724.40	456209.50	32°15'13.7747"N	104°01'40.8152"W	0.07	0.00	35.83	
3471.00	0.140	275.560	3470.92	-3.68	2.99	-7.38	635724.38	456209.54	32°15'13.7750"N	104°01'40.8155"W	0.27	0.02	-168.35	
3564.00	0.120	41.690	3563.92	-3.77	3.07	-7.43	635724.33	456209.62	32°15'13.7759"N	104°01'40.8160"W	0.25	-0.02	135.62	
3659.00	0.130	196.400	3658.92	-3.74	3.04	-7.40	635724.37	456209.59	32°15'13.7756"N	104°01'40.8156"W	0.26	0.01	162.85	
3754.00	0.140	219.310	3753.92	-3.55	2.85	-7.50	635724.26	456209.40	32°15'13.7737"N	104°01'40.8168"W	0.06	0.01	24.12	
3847.00	0.150	295.920	3846.92	-3.54	2.82	-7.68	635724.08	456209.37	32°15'13.7733"N	104°01'40.8189"W	0.19	0.01	82.38	
3941.00	0.120	325.280	3940.92	-3.69	2.95	-7.85	635723.91	456209.50	32°15'13.7747"N	104°01'40.8209"W	0.08	-0.03	31.23	
4036.00	0.150	331.510	4035.92	-3.89	3.14	-7.96	635723.80	456209.69	32°15'13.7766"N	104°01'40.8222"W	0.04	0.03	6.56	
4130.00	0.160	200.580	4129.92	-3.88	3.13	-8.07	635723.69	456209.68	32°15'13.7764"N	104°01'40.8234"W	0.30	0.01	-139.29	
4225.00	0.110	207.080	4224.92	-3.69	2.92	-8.16	635723.60	456209.47	32°15'13.7744"N	104°01'40.8245"W	0.05	-0.05	6.84	
4318.00	0.130	191.640	4317.92	-3.51	2.74	-8.22	635723.54	456209.29	32°15'13.7726"N	104°01'40.8252"W	0.04	0.02	-16.60	
4413.00	0.120	95.590	4412.92	-3.39	2.62	-8.14	635723.62	456209.17	32°15'13.7714"N	104°01'40.8243"W	0.20	-0.01	-101.11	
4506.00	0.110	35.420	4505.92	-3.44	2.69	-7.99	635723.77	456209.24	32°15'13.7721"N	104°01'40.8226"W	0.12	-0.01	-64.70	
4601.00	0.130	283.510	4600.92	-3.54	2.79	-8.04	635723.72	456209.34	32°15'13.7731"N	104°01'40.8232"W	0.21	0.02	-117.80	
4695.00	0.130	329.840	4694.92	-3.67	2.90	-8.20	635723.56	456209.45	32°15'13.7742"N	104°01'40.8250"W	0.11	0.00	49.29	
4789.00	0.120	60.910	4788.92	-3.81	3.04	-8.17	635723.59	456209.59	32°15'13.7756"N	104°01'40.8246"W	0.19	-0.01	96.88	
4883.00	0.130	49.820	4882.92	-3.91	3.16	-8.00	635723.76	456209.71	32°15'13.7768"N	104°01'40.8227"W	0.03	0.01	-11.80	
4977.00	0.130	3.130	4976.92	-4.08	3.34	-7.91	635723.85	456209.88	32°15'13.7785"N	104°01'40.8216"W	0.11	0.00	-49.67	
5071.00	0.120	96.560	5070.92	-4.16	3.43	-7.81	635723.95	456209.98	32°15'13.7794"N	104°01'40.8204"W	0.19	-0.01	99.39	
5163.00	0.150	318.330	5162.92	-4.24	3.51	-7.80	635723.97	456210.06	32°15'13.7802"N	104°01'40.8203"W	0.27	0.03	-150.25	
5258.00	0.140	267.970	5257.92	-4.35	3.60	-7.99	635723.77	456210.15	32°15'13.7811"N	104°01'40.8226"W	0.13	-0.01	-53.01	
5351.00	0.140	134.480	5350.92	-4.27	3.51	-8.03	635723.73	456210.06	32°15'13.7803"N	104°01'40.8229"W	0.28	0.00	-143.54	



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH DATA (221 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
5446.00	0.140	300.750	5445.92	-4.25	3.49	-8.04	635723.72	456210.04	32°15'13.7800"N	104°01'40.8231"W	0.29	0.00	175.02	
5540.00	0.140	224.670	5539.92	-4.24	3.47	-8.22	635723.54	456210.02	32°15'13.7798"N	104°01'40.8252"W	0.18	0.00	-80.94	
5634.00	0.140	359.220	5633.92	-4.28	3.50	-8.31	635723.46	456210.05	32°15'13.7802"N	104°01'40.8262"W	0.27	0.00	143.14	
5728.00	0.160	66.700	5727.92	-4.44	3.67	-8.19	635723.57	456210.22	32°15'13.7818"N	104°01'40.8248"W	0.18	0.02	71.79	
5822.00	1.360	124.070	5821.91	-3.77	3.10	-7.14	635724.62	456209.65	32°15'13.7761"N	104°01'40.8127"W	1.36	1.28	61.03	
5916.00	4.420	131.340	5915.78	-0.41	0.08	-3.50	635728.26	456206.63	32°15'13.7461"N	104°01'40.7703"W	3.27	3.26	7.73	
6011.00	6.970	125.040	6010.30	6.00	-5.65	3.97	635735.73	456200.90	32°15'13.6892"N	104°01'40.6835"W	2.76	2.68	-6.63	
6105.00	9.500	118.690	6103.32	14.07	-12.65	15.45	635747.21	456193.90	32°15'13.6197"N	104°01'40.5501"W	2.86	2.69	-6.76	
6200.00	11.580	112.290	6196.72	22.92	-20.03	31.15	635762.91	456186.52	32°15'13.5462"N	104°01'40.3675"W	2.51	2.19	-6.74	
6293.00	12.970	107.390	6287.59	31.33	-26.69	49.75	635781.50	456179.86	32°15'13.4797"N	104°01'40.1512"W	1.87	1.49	-5.27	
6388.00	13.130	102.760	6380.14	38.85	-32.26	70.45	635802.20	456174.29	32°15'13.4241"N	104°01'39.9104"W	1.11	0.17	-4.87	
6482.00	12.790	91.800	6471.76	43.52	-34.95	91.26	635823.01	456171.61	32°15'13.3969"N	104°01'39.6681"W	2.64	-0.36	-11.66	
6576.00	12.160	80.120	6563.56	44.08	-33.57	111.42	635843.17	456172.98	32°15'13.4099"N	104°01'39.4333"W	2.76	-0.67	-12.43	
6670.00	10.750	69.090	6655.69	40.99	-28.75	129.36	635861.11	456177.81	32°15'13.4572"N	104°01'39.2242"W	2.76	-1.50	-11.73	
6763.00	10.150	65.790	6747.15	36.05	-22.29	144.94	635876.69	456184.26	32°15'13.5206"N	104°01'39.0426"W	0.91	-0.65	-3.55	
6858.00	10.130	67.880	6840.67	30.98	-15.71	160.31	635892.06	456190.84	32°15'13.5853"N	104°01'38.8633"W	0.39	-0.02	2.20	
6952.00	9.890	67.040	6933.24	26.19	-9.45	175.41	635907.15	456197.10	32°15'13.6468"N	104°01'38.6874"W	0.30	-0.26	-0.89	
7044.00	10.140	65.950	7023.84	21.24	-3.07	190.08	635921.82	456203.48	32°15'13.7096"N	104°01'38.5164"W	0.34	0.27	-1.18	
7138.00	9.670	66.160	7116.43	16.12	3.50	204.85	635936.60	456210.05	32°15'13.7741"N	104°01'38.3441"W	0.50	-0.50	0.22	
7232.00	9.650	65.760	7209.10	11.10	9.92	219.26	635951.00	456216.47	32°15'13.8373"N	104°01'38.1761"W	0.07	-0.02	-0.43	
7327.00	9.400	63.080	7302.79	5.71	16.70	233.44	635965.18	456223.25	32°15'13.9040"N	104°01'38.0108"W	0.54	-0.26	-2.82	
7421.00	9.430	63.390	7395.53	0.13	23.63	247.17	635978.91	456230.18	32°15'13.9721"N	104°01'37.8507"W	0.06	0.03	0.33	
7516.00	9.610	63.440	7489.22	-5.53	30.66	261.22	635992.96	456237.21	32°15'14.0413"N	104°01'37.6869"W	0.19	0.19	0.05	
7609.00	9.770	65.960	7580.89	-10.83	37.34	275.37	636007.10	456243.89	32°15'14.1070"N	104°01'37.5219"W	0.49	0.17	2.71	
7703.00	9.920	69.540	7673.51	-15.46	43.42	290.24	636021.97	456249.97	32°15'14.1668"N	104°01'37.3485"W	0.67	0.16	3.81	
7795.00	10.170	76.460	7764.10	-18.64	48.10	305.56	636037.29	456254.64	32°15'14.2126"N	104°01'37.1699"W	1.34	0.27	7.52	
7889.00	10.520	80.960	7856.57	-20.34	51.39	322.10	636053.83	456257.93	32°15'14.2447"N	104°01'36.9772"W	0.94	0.37	4.79	
7984.00	10.830	85.410	7949.93	-20.73	53.46	339.56	636071.29	456260.01	32°15'14.2647"N	104°01'36.7738"W	0.93	0.33	4.68	
8078.00	10.400	86.330	8042.32	-20.32	54.71	356.83	636088.56	456261.26	32°15'14.2766"N	104°01'36.5727"W	0.49	-0.46	0.98	
8172.00	10.220	87.010	8134.80	-19.69	55.69	373.63	636105.36	456262.24	32°15'14.2858"N	104°01'36.3771"W	0.23	-0.19	0.72	



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_ awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH DATA (221 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
8267.00	10.540	87.220	8228.25	-18.91	56.55	390.72	636122.45	456263.10	32°15'14.2938"N	104°01'36.1780"W	0.34	0.34	0.22	
8363.00	10.510	85.420	8322.63	-18.36	57.68	408.22	636139.95	456264.22	32°15'14.3045"N	104°01'35.9742"W	0.34	-0.03	-1.88	
8456.00	10.490	86.330	8414.08	-17.95	58.90	425.12	636156.85	456265.44	32°15'14.3161"N	104°01'35.7773"W	0.18	-0.02	0.98	
8551.00	10.550	85.900	8507.48	-17.47	60.07	442.43	636174.15	456266.62	32°15'14.3272"N	104°01'35.5758"W	0.10	0.06	-0.45	
8645.00	10.510	85.400	8599.90	-17.13	61.38	459.56	636191.28	456267.92	32°15'14.3396"N	104°01'35.3763"W	0.11	-0.04	-0.53	
8738.00	10.740	87.530	8691.30	-16.54	62.43	476.67	636208.39	456268.97	32°15'14.3496"N	104°01'35.1770"W	0.49	0.25	2.29	
8833.00	10.190	89.640	8784.72	-15.32	62.86	493.92	636225.64	456269.41	32°15'14.3534"N	104°01'34.9761"W	0.71	-0.58	2.22	
8927.00	10.650	93.070	8877.17	-13.28	62.45	510.91	636242.62	456269.00	32°15'14.3488"N	104°01'34.7783"W	0.82	0.49	3.65	
9021.00	10.740	91.770	8969.54	-10.88	61.71	528.33	636260.05	456268.26	32°15'14.3410"N	104°01'34.5754"W	0.27	0.10	-1.38	
9116.00	11.070	92.890	9062.83	-8.44	60.98	546.29	636278.00	456267.53	32°15'14.3333"N	104°01'34.3663"W	0.41	0.35	1.18	
9209.00	11.300	90.140	9154.06	-6.24	60.51	564.32	636296.03	456267.05	32°15'14.3281"N	104°01'34.1564"W	0.62	0.25	-2.96	
9303.00	11.180	86.720	9246.26	-4.99	61.01	582.63	636314.34	456267.55	32°15'14.3325"N	104°01'33.9432"W	0.72	-0.13	-3.64	
9397.00	11.100	82.120	9338.49	-5.01	62.77	600.69	636332.40	456269.31	32°15'14.3494"N	104°01'33.7329"W	0.95	-0.09	-4.89	
9491.00	11.130	77.330	9430.73	-6.52	66.00	618.50	636350.21	456272.55	32°15'14.3809"N	104°01'33.5253"W	0.98	0.03	-5.10	
9584.00	11.010	76.080	9522.00	-8.95	70.11	635.88	636367.59	456276.65	32°15'14.4210"N	104°01'33.3228"W	0.29	-0.13	-1.34	
9678.00	11.190	76.780	9614.24	-11.49	74.35	653.47	636385.18	456280.89	32°15'14.4625"N	104°01'33.1178"W	0.24	0.19	0.74	
9772.00	11.120	77.320	9706.46	-13.85	78.43	671.19	636402.90	456284.97	32°15'14.5023"N	104°01'32.9113"W	0.13	-0.07	0.57	
9867.00	11.050	79.330	9799.69	-15.82	82.12	689.08	636420.78	456288.67	32°15'14.5384"N	104°01'32.7029"W	0.41	-0.07	2.12	
9961.00	12.160	80.980	9891.77	-17.24	85.34	707.71	636439.41	456291.89	32°15'14.5697"N	104°01'32.4859"W	1.23	1.18	1.76	
10056.00	13.580	81.270	9984.38	-18.49	88.60	728.62	636460.32	456295.15	32°15'14.6014"N	104°01'32.2423"W	1.50	1.49	0.31	
10279.00	16.290	87.970	10199.84	-18.08	93.69	785.76	636517.46	456300.23	32°15'14.6501"N	104°01'31.5767"W	1.44	1.22	3.00	8-1/2" BKR ATC MWD Surveys 10279'- 20870'
10373.00	19.640	121.580	10289.48	-7.73	85.86	812.48	636544.17	456292.40	32°15'14.5719"N	104°01'31.2659"W	11.41	3.56	35.76	
10457.00†	23.685	148.578	10367.73	16.02	64.01	833.36	636565.05	456270.55	32°15'14.3550"N	104°01'31.0235"W	12.67	4.82	32.14	FTP/100'FNL Crossing: 10457.00ft MD
10467.00	24.420	151.110	10376.86	19.72	60.48	835.40	636567.09	456267.03	32°15'14.3201"N	104°01'30.9998"W	12.67	7.35	25.32	
10561.00	33.690	167.710	10459.07	63.61	17.83	850.40	636582.09	456224.38	32°15'13.8977"N	104°01'30.8266"W	12.99	9.86	17.66	
10656.00	43.090	174.560	10533.48	122.38	-40.37	859.11	636590.79	456166.18	32°15'13.3215"N	104°01'30.7272"W	10.85	9.89	7.21	
10751.00	51.050	172.520	10598.14	191.86	-109.41	867.00	636598.69	456097.14	32°15'12.6381"N	104°01'30.6375"W	8.52	8.38	-2.15	
10845.00	57.400	169.320	10653.07	267.91	-184.65	879.11	636610.80	456021.91	32°15'11.8932"N	104°01'30.4990"W	7.30	6.76	-3.40	
10939.00	62.080	169.420	10700.43	348.76	-264.43	894.09	636625.77	455942.14	32°15'11.1034"N	104°01'30.3273"W	4.98	4.98	0.11	
11032.00	68.710	172.490	10739.14	433.09	-347.88	907.31	636639.00	455858.69	32°15'10.2773"N	104°01'30.1761"W	7.73	7.13	3.30	



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH DATA (221 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
11126.00	74.880	174.340	10768.49	522.32	-436.55	917.52	636649.20	455770.04	32°15'9.3997"N	104°01'30.0602"W	6.82	6.56	1.97	
11220.00	80.650	175.910	10788.41	614.14	-528.04	925.31	636656.99	455678.56	32°15'8.4941"N	104°01'29.9726"W	6.35	6.14	1.67	
11315.00	86.480	177.930	10799.05	708.41	-622.26	930.37	636662.05	455584.34	32°15'7.5617"N	104°01'29.9168"W	6.49	6.14	2.13	
11409.00	89.960	179.570	10801.97	802.09	-716.17	932.42	636664.10	455490.44	32°15'6.6323"N	104°01'29.8961"W	4.09	3.70	1.74	
11503.00	90.240	180.190	10801.80	895.68	-810.17	932.61	636664.30	455396.45	32°15'5.7022"N	104°01'29.8969"W	0.72	0.30	0.66	
11598.00	89.590	178.680	10801.95	990.33	-905.16	933.55	636665.23	455301.46	32°15'4.7622"N	104°01'29.8892"W	1.73	-0.68	-1.59	
11692.00	88.850	180.710	10803.23	1083.93	-999.15	934.05	636665.73	455207.48	32°15'3.8322"N	104°01'29.8865"W	2.30	-0.79	2.16	
11785.00	88.700	179.980	10805.21	1176.42	-1092.12	933.49	636665.17	455114.52	32°15'2.9122"N	104°01'29.8962"W	0.80	-0.16	-0.78	
11879.00	88.200	180.050	10807.76	1269.96	-1186.09	933.47	636665.15	455020.56	32°15'1.9824"N	104°01'29.8996"W	0.54	-0.53	0.07	
11973.00	89.530	179.670	10809.62	1363.53	-1280.07	933.70	636665.38	454926.59	32°15'1.0525"N	104°01'29.9001"W	1.47	1.41	-0.40	
12067.00	89.930	179.870	10810.06	1457.13	-1374.07	934.07	636665.76	454832.60	32°15'0.1224"N	104°01'29.8988"W	0.48	0.43	0.21	
12160.00	90.610	180.020	10809.62	1549.71	-1467.07	934.16	636665.85	454739.61	32°14'59.2021"N	104°01'29.9009"W	0.75	0.73	0.16	
12255.00	90.390	179.690	10808.79	1644.29	-1562.06	934.40	636666.09	454644.62	32°14'58.2621"N	104°01'29.9013"W	0.42	-0.23	-0.35	
12349.00	90.150	179.620	10808.35	1737.91	-1656.06	934.97	636666.65	454550.63	32°14'57.3320"N	104°01'29.8978"W	0.27	-0.26	-0.07	
12537.00	92.060	180.050	10804.73	1925.06	-1844.01	935.51	636667.19	454362.69	32°14'55.4722"N	104°01'29.8978"W	1.04	1.02	0.23	
12631.00	90.760	179.690	10802.41	2018.62	-1937.98	935.72	636667.41	454268.73	32°14'54.5423"N	104°01'29.8984"W	1.43	-1.38	-0.38	
12725.00	90.730	180.210	10801.19	2112.18	-2031.97	935.81	636667.49	454174.74	32°14'53.6123"N	104°01'29.9006"W	0.55	-0.03	0.55	
12819.00	90.300	179.870	10800.35	2205.74	-2125.97	935.74	636667.42	454080.76	32°14'52.6822"N	104°01'29.9045"W	0.58	-0.46	-0.36	
12914.00	91.470	180.050	10798.88	2300.30	-2220.96	935.81	636667.49	453985.78	32°14'51.7423"N	104°01'29.9069"W	1.25	1.23	0.19	
13008.00	88.730	179.400	10798.71	2393.90	-2314.95	936.26	636667.94	453891.80	32°14'50.8122"N	104°01'29.9048"W	3.00	-2.91	-0.69	
13102.00	89.840	179.110	10799.89	2487.57	-2408.93	937.48	636669.16	453797.82	32°14'49.8822"N	104°01'29.8937"W	1.22	1.18	-0.31	
13196.00	89.810	179.190	10800.17	2581.26	-2502.92	938.87	636670.56	453703.84	32°14'48.9522"N	104°01'29.8806"W	0.09	-0.03	0.09	
13249.00	90.290	178.950	10800.13	2634.09	-2555.91	939.74	636671.42	453650.85	32°14'48.4278"N	104°01'29.8724"W	1.01	0.91	-0.45	
13343.00	91.680	179.680	10798.51	2727.75	-2649.89	940.86	636672.54	453556.88	32°14'47.4978"N	104°01'29.8625"W	1.67	1.48	0.78	
13437.00	90.110	178.510	10797.04	2821.43	-2743.86	942.34	636674.03	453462.92	32°14'46.5679"N	104°01'29.8483"W	2.08	-1.67	-1.24	
13531.00	90.230	178.800	10796.76	2915.18	-2837.83	944.55	636676.23	453368.95	32°14'45.6380"N	104°01'29.8258"W	0.33	0.13	0.31	
13720.00	90.170	178.630	10796.11	3103.67	-3026.79	948.79	636680.47	453180.02	32°14'43.7682"N	104°01'29.7827"W	0.10	-0.03	-0.09	
13812.00	89.740	179.680	10796.18	3195.37	-3118.77	950.15	636681.83	453088.03	32°14'42.8579"N	104°01'29.7700"W	1.23	-0.47	1.14	
13905.00	90.290	179.940	10796.15	3287.97	-3211.77	950.45	636682.13	452995.04	32°14'41.9377"N	104°01'29.7695"W	0.65	0.59	0.28	
14000.00	90.570	180.050	10795.44	3382.53	-3306.77	950.46	636682.14	452900.05	32°14'40.9977"N	104°01'29.7726"W	0.32	0.29	0.12	



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_ awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH DATA (221 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
14094.00	90.320	179.850	10794.71	3476.11	-3400.77	950.54	636682.23	452806.06	32°14'40.0676"N	104°01'29.7748"W	0.34	-0.27	-0.21	
14188.00	89.920	179.450	10794.51	3569.73	-3494.76	951.12	636682.80	452712.07	32°14'39.1374"N	104°01'29.7713"W	0.60	-0.43	-0.43	
14282.00	93.280	179.940	10791.89	3663.29	-3588.71	951.62	636683.30	452618.13	32°14'38.2078"N	104°01'29.7686"W	3.61	3.57	0.52	
14376.00	90.170	179.050	10789.06	3756.88	-3682.65	952.45	636684.13	452524.20	32°14'37.2782"N	104°01'29.7621"W	3.44	-3.31	-0.95	
14470.00	89.740	179.670	10789.13	3850.55	-3776.65	953.50	636685.18	452430.21	32°14'36.3481"N	104°01'29.7530"W	0.80	-0.46	0.66	
14564.00	90.080	179.750	10789.28	3944.16	-3870.65	953.97	636685.65	452336.22	32°14'35.4180"N	104°01'29.7506"W	0.37	0.36	0.09	
14659.00	90.110	179.780	10789.12	4038.76	-3965.65	954.36	636686.04	452241.23	32°14'34.4780"N	104°01'29.7492"W	0.04	0.03	0.03	
14753.00	90.850	179.350	10788.34	4132.39	-4059.64	955.08	636686.76	452147.25	32°14'33.5479"N	104°01'29.7441"W	0.91	0.79	-0.46	
14848.00	88.260	179.100	10789.07	4227.06	-4154.62	956.36	636688.04	452052.28	32°14'32.6080"N	104°01'29.7323"W	2.74	-2.73	-0.26	
15036.00	89.150	179.740	10793.32	4414.32	-4342.56	958.26	636689.94	451864.35	32°14'30.7483"N	104°01'29.7164"W	0.58	0.47	0.34	
15224.00	90.480	179.930	10793.93	4601.50	-4530.55	958.80	636690.49	451676.37	32°14'28.8880"N	104°01'29.7164"W	0.71	0.71	0.10	
15318.00	90.050	179.430	10793.49	4695.12	-4624.55	959.33	636691.01	451582.38	32°14'27.9579"N	104°01'29.7134"W	0.70	-0.46	-0.53	
15412.00	90.290	180.020	10793.22	4788.73	-4718.55	959.78	636691.46	451488.39	32°14'27.0278"N	104°01'29.7113"W	0.68	0.26	0.63	
15506.00	90.760	179.900	10792.35	4882.30	-4812.54	959.85	636691.53	451394.41	32°14'26.0977"N	104°01'29.7137"W	0.52	0.50	-0.13	
15600.00	91.250	179.910	10790.71	4975.87	-4906.53	960.00	636691.68	451300.43	32°14'25.1677"N	104°01'29.7150"W	0.52	0.52	0.01	
15694.00	89.890	179.660	10789.77	5069.46	-5000.52	960.35	636692.04	451206.44	32°14'24.2376"N	104°01'29.7141"W	1.47	-1.45	-0.27	
15787.00	88.600	179.360	10791.00	5162.10	-5093.51	961.15	636692.83	451113.46	32°14'23.3175"N	104°01'29.7079"W	1.42	-1.39	-0.32	
15881.00	92.200	180.030	10790.34	5255.69	-5187.49	961.65	636693.33	451019.49	32°14'22.3875"N	104°01'29.7052"W	3.90	3.83	0.71	
15975.00	91.740	180.310	10787.11	5349.18	-5281.43	961.37	636693.05	450925.56	32°14'21.4580"N	104°01'29.7116"W	0.57	-0.49	0.30	
16070.00	90.080	180.680	10785.60	5443.65	-5376.41	960.55	636692.23	450830.58	32°14'20.5181"N	104°01'29.7243"W	1.79	-1.75	0.39	
16164.00	88.010	179.450	10787.17	5537.19	-5470.39	960.44	636692.12	450736.61	32°14'19.5882"N	104°01'29.7287"W	2.56	-2.20	-1.31	
16258.00	89.520	180.360	10789.19	5630.74	-5564.37	960.60	636692.28	450642.64	32°14'18.6583"N	104°01'29.7301"W	1.88	1.61	0.97	
16352.00	92.420	179.920	10787.60	5724.27	-5658.34	960.37	636692.05	450548.68	32°14'17.7284"N	104°01'29.7359"W	3.12	3.09	-0.47	
16444.00	90.050	178.910	10785.62	5815.90	-5750.31	961.31	636692.99	450456.72	32°14'16.8184"N	104°01'29.7280"W	2.80	-2.58	-1.10	
16538.00	88.110	179.810	10787.13	5909.55	-5844.28	962.36	636694.04	450362.75	32°14'15.8884"N	104°01'29.7189"W	2.28	-2.06	0.96	
16632.00	87.950	179.570	10790.36	6003.11	-5938.23	962.87	636694.55	450268.81	32°14'14.9589"N	104°01'29.7162"W	0.31	-0.17	-0.26	
16726.00	87.640	179.670	10793.98	6096.66	-6032.16	963.49	636695.17	450174.89	32°14'14.0294"N	104°01'29.7120"W	0.35	-0.33	0.11	
16821.00	88.540	180.240	10797.14	6191.18	-6127.10	963.57	636695.25	450079.96	32°14'13.0899"N	104°01'29.7144"W	1.12	0.95	0.60	
16916.00	87.670	179.410	10800.28	6285.72	-6222.05	963.85	636695.54	449985.02	32°14'12.1504"N	104°01'29.7142"W	1.27	-0.92	-0.87	
17011.00	89.460	179.930	10802.66	6380.30	-6317.01	964.40	636696.08	449890.06	32°14'11.2107"N	104°01'29.7110"W	1.96	1.88	0.55	



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH DATA (221 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
17105.00	88.260	179.770	10804.53	6473.87	-6410.99	964.65	636696.33	449796.09	32°14'10.2808"N	104°01'29.7112"W	1.29	-1.28	-0.17	
17200.00	87.640	179.580	10807.93	6568.43	-6505.93	965.19	636696.87	449701.16	32°14'9.3413"N	104°01'29.7081"W	0.68	-0.65	-0.20	
17293.00	89.860	180.080	10809.96	6661.00	-6598.90	965.46	636697.14	449608.20	32°14'8.4214"N	104°01'29.7080"W	2.45	2.39	0.54	
17387.00	89.340	180.000	10810.62	6754.56	-6692.90	965.40	636697.08	449514.21	32°14'7.4913"N	104°01'29.7119"W	0.56	-0.55	-0.09	
17481.00	89.520	180.000	10811.55	6848.12	-6786.89	965.40	636697.08	449420.22	32°14'6.5612"N	104°01'29.7151"W	0.19	0.19	0.00	
17576.00	89.520	179.550	10812.35	6942.72	-6881.89	965.77	636697.45	449325.23	32°14'5.6212"N	104°01'29.7139"W	0.47	0.00	-0.47	
17669.00	90.390	179.670	10812.42	7035.35	-6974.88	966.40	636698.08	449232.24	32°14'4.7009"N	104°01'29.7097"W	0.94	0.94	0.13	
17764.00	89.490	179.700	10812.52	7129.96	-7069.88	966.92	636698.60	449137.25	32°14'3.7609"N	104°01'29.7068"W	0.95	-0.95	0.03	
17858.00	91.250	180.020	10811.91	7223.54	-7163.88	967.15	636698.83	449043.27	32°14'2.8308"N	104°01'29.7072"W	1.90	1.87	0.34	
17952.00	88.940	178.330	10811.76	7317.22	-7257.86	968.51	636700.19	448949.29	32°14'1.9008"N	104°01'29.6946"W	3.04	-2.46	-1.80	
18045.00	89.770	178.710	10812.80	7409.99	-7350.82	970.91	636702.59	448856.34	32°14'0.9809"N	104°01'29.6698"W	0.98	0.89	0.41	
18139.00	89.520	178.830	10813.39	7503.73	-7444.80	972.93	636704.61	448762.37	32°14'0.0510"N	104°01'29.6494"W	0.30	-0.27	0.13	
18233.00	89.150	178.880	10814.48	7597.45	-7538.77	974.81	636706.48	448668.40	32°13'59.1210"N	104°01'29.6307"W	0.40	-0.39	0.05	
18327.00	89.150	179.120	10815.87	7691.15	-7632.75	976.45	636708.12	448574.44	32°13'58.1911"N	104°01'29.6147"W	0.26	0.00	0.26	
18421.00	87.890	178.830	10818.30	7784.83	-7726.70	978.13	636709.81	448480.49	32°13'57.2614"N	104°01'29.5983"W	1.38	-1.34	-0.31	
18515.00	89.090	178.900	10820.78	7878.53	-7820.64	979.99	636711.67	448386.55	32°13'56.3317"N	104°01'29.5798"W	1.28	1.28	0.07	
18609.00	89.220	178.800	10822.16	7972.25	-7914.61	981.87	636713.55	448292.59	32°13'55.4018"N	104°01'29.5609"W	0.17	0.14	-0.11	
18704.00	89.400	178.540	10823.31	8066.99	-8009.58	984.08	636715.76	448197.63	32°13'54.4620"N	104°01'29.5385"W	0.33	0.19	-0.27	
18798.00	87.550	179.620	10825.81	8160.65	-8103.53	985.59	636717.27	448103.69	32°13'53.5323"N	104°01'29.5240"W	2.28	-1.97	1.15	
18892.00	89.400	179.940	10828.31	8254.22	-8197.49	985.95	636717.63	448009.73	32°13'52.6026"N	104°01'29.5230"W	2.00	1.97	0.34	
18986.00	88.850	180.040	10829.75	8347.78	-8291.48	985.97	636717.64	447915.75	32°13'51.6725"N	104°01'29.5259"W	0.59	-0.59	0.11	
19080.00	89.650	179.850	10830.98	8441.35	-8385.47	986.06	636717.73	447821.77	32°13'50.7425"N	104°01'29.5280"W	0.87	0.85	-0.20	
19175.00	89.090	179.920	10832.02	8535.92	-8480.47	986.25	636717.92	447726.78	32°13'49.8025"N	104°01'29.5290"W	0.59	-0.59	0.07	
19270.00	88.690	179.580	10833.86	8630.51	-8575.45	986.66	636718.34	447631.81	32°13'48.8627"N	104°01'29.5273"W	0.55	-0.42	-0.36	
19363.00	92.260	180.050	10833.09	8723.09	-8668.43	986.96	636718.64	447538.84	32°13'47.9426"N	104°01'29.5269"W	3.87	3.84	0.51	
19552.00	88.380	180.040	10832.03	8911.17	-8857.39	986.81	636718.49	447349.89	32°13'46.0728"N	104°01'29.5350"W	2.05	-2.05	-0.01	
19647.00	89.220	179.750	10834.02	9005.73	-8952.37	986.99	636718.66	447254.92	32°13'45.1330"N	104°01'29.5361"W	0.94	0.88	-0.31	
19836.00	87.340	180.530	10839.70	9193.72	-9141.27	986.53	636718.20	447066.03	32°13'43.2638"N	104°01'29.5478"W	1.08	-0.99	0.41	
19930.00	90.050	180.620	10841.84	9287.16	-9235.23	985.58	636717.26	446972.08	32°13'42.3340"N	104°01'29.5619"W	2.88	2.88	0.10	
20023.00	89.830	179.850	10841.93	9379.70	-9328.23	985.20	636716.88	446879.09	32°13'41.4138"N	104°01'29.5695"W	0.86	-0.24	-0.83	



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH DATA (221 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
20117.00	87.210	179.760	10844.36	9473.26	-9422.19	985.52	636717.20	446785.14	32°13'40.4841"N	104°01'29.5689"W	2.79	-2.79	-0.10	
20211.00	87.860	178.100	10848.41	9566.89	-9516.09	987.27	636718.95	446691.25	32°13'39.5549"N	104°01'29.5516"W	1.89	0.69	-1.77	
20305.00	88.170	176.520	10851.66	9660.72	-9609.92	991.68	636723.36	446597.42	32°13'38.6263"N	104°01'29.5034"W	1.71	0.33	-1.68	
20399.00	89.770	178.810	10853.35	9754.55	-9703.82	995.51	636727.19	446503.53	32°13'37.6971"N	104°01'29.4620"W	2.97	1.70	2.44	
20495.00	89.650	180.450	10853.84	9850.16	-9799.81	996.13	636727.81	446407.55	32°13'36.7472"N	104°01'29.4580"W	1.71	-0.13	1.71	
20588.00	90.080	180.210	10854.06	9942.68	-9892.81	995.60	636727.27	446314.56	32°13'35.8270"N	104°01'29.4673"W	0.53	0.46	-0.26	
20682.00	89.490	179.440	10854.41	10036.28	-9986.81	995.88	636727.56	446220.57	32°13'34.8968"N	104°01'29.4671"W	1.03	-0.63	-0.82	
20776.00	89.950	179.870	10854.87	10129.90	-10080.81	996.45	636728.13	446126.58	32°13'33.9667"N	104°01'29.4637"W	0.67	0.49	0.46	
20847.00†	89.746	180.036	10855.06	10200.58	-10151.81	996.51	636728.19	446055.58	32°13'33.2642"N	104°01'29.4654"W	0.37	-0.29	0.23	LTP/330'FSL Crossing: 20847.00ft MD
20870.00	89.680	180.090	10855.17	10223.47	-10174.80	996.48	636728.16	446032.59	32°13'33.0366"N	104°01'29.4664"W	0.37	-0.29	0.23	Final BKR MWD Survey: 20870.00ft MD
20900.00‡	89.680	180.090	10855.34	10253.33	-10204.80	996.44	636728.11	446002.59	32°13'32.7397"N	104°01'29.4680"W	0.00	0.00	0.00	Projection to TD: 20900.0ft MD



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' Proj: 20900'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Radius CC 6-7 Fed Com 52H - 4600'VS	10787.94	-4527.60	973.76	636705.44	451679.32	32°14'28.9168"N	104°01'29.5422"W	point
Radius CC 6-7 Fed Com 52H - FTP	10803.90	63.14	949.78	636681.46	456269.68	32°15'14.3431"N	104°01'29.6679"W	point
Radius CC 6-7 Fed Com 52H - KOP	10804.08	113.15	949.52	636681.20	456319.69	32°15'14.8380"N	104°01'29.6692"W	point
Radius CC 6-7 Fed Com 52H - LTP	10819.68	-10152.77	1003.14	636734.82	446054.62	32°13'33.2544"N	104°01'29.3882"W	point
Radius CC 6-7 Fed Com 52H - PBHL	10821.41	-10462.80	1004.76	636736.44	445744.62	32°13'30.1867"N	104°01'29.3797"W	point

WELLPATH COMPOSITION - Ref Wellbore: Radius CC 6-7 Federal Com 52H AWB Ref Wellpath: Radius CC 6-7 Federal Com 52H_awp 94.29'-20870' P

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	439.95	BH Generic gyro - northseeking (Standard)	Adjusted Gyrodata Gyro Surveys 94.29'-439.95' (Imported)	Radius CC 6-7 Federal Com 52H AWB
439.95	10056.00	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	PHX MWD Surveys 488'-10056' (Imported)	Radius CC 6-7 Federal Com 52H AWB
10056.00	20900.00	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	8-1/2" BKR ATC MWD Surveys 10279'- 20870'	Radius CC 6-7 Federal Com 52H AWB



Actual Wellpath Report

Radius CC 6-7 Federal Com 52H_ awp 94.29'-20870' Proj: 20900'

Page 11 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA, Inc.	Well	Radius CC 6-7 Federal Com 52H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46826-00
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 52H AWB
Slot	Radius CC 6-7 Federal Com 52H		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
94.29	0.690	292.380	94.29	Adjusted Gyrodata Gyro Surveys 94.29'-439.95' (Imported)
488.00	0.850	279.160	487.93	PHX MWD Surveys 488'-10056' (Imported)
10279.00	16.290	87.970	10199.84	8-1/2" BKR ATC MWD Surveys 10279'- 20870'
10457.00	23.685	148.578	10367.73	FTP/100'FNL Crossing: 10457.00ft MD
20847.00	89.746	180.036	10855.06	LTP/330'FSL Crossing: 20847.00ft MD
20870.00	89.680	180.090	10855.17	Final BKR MWD Survey: 20870.00ft MD
20900.00	89.680	180.090	10855.34	Projection to TD: 20900.0ft MD

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 173598

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 173598
	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.

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

CONDITIONS

Action 173598

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 173598
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	RT Expires 04/06/2023	2/16/2023