

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 - 01/10/2023
⁴ API Number 30 - 015-46825	⁵ Pool Name PURPLE SAGE WOLFCAMP *NSL-7965	⁶ Pool Code 98220
⁷ Property Code: 327307	⁸ Property Name: RADIUS CC 6-7 FEDERAL COM	⁹ Well Number: 51H

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
4	6	24S	29E		235	NORTH	615	WEST	EDDY

¹¹ Bottom Hole Location

FTP- 306' FNL 896' FWL LTP- 454' FSL 994' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	7	24S	29E		277	SOUTH	996	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 09/23/22	²² Ready Date 01/10/2023	²³ TD 20760'M 10766'V	²⁴ PBTD 20716'M 10765'V	²⁵ Perforations 10607-20583'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	457'	535		
12-1/4"	9-5/8"	10098'	3177		
8-3/4" X 8-1/2"	7" X 5-1/2"	20740'	2404		

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:

01/09/2023

Phone:

432-685-5936

OIL CONSERVATION DIVISION

Approved by: Sarah McGrath

Title: Petroleum Specialist - A

Approval Date: 03/02/2023

RT Expires 04/10/2023

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 30-015-46825	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 51H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.	⁹ Elevation 2966'

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
L 4	6	24S	29E		235	NORTH	615	WEST	EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L 4	7	24S	29E		277	SOUTH	996	WEST	EDDY
¹² Dedicated Acres 637.33	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL-7965						

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: 450995.01' 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 into by the division. Signature: Date: 1/9/23
	SURFACE HOLE LOCATION 235' FNL 615' FWL, SECTION 6 0' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 634996.90' / Y: 456146.83' LAT: 32.25365969N / LON: 104.03035813W NAD 27, SPCS NM EAST X: 593813.48' / Y: 456087.78' LAT: 32.2537811N / LON: 104.02986663W	KICK OFF POINT 157' FNL 852' FWL, SECTION 6 10196' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 635233.75' / Y: 456223.39' LAT: 32.25386832N / LON: 104.02959127W NAD 27, SPCS NM EAST X: 594050.33' / Y: 456164.34' LAT: 32.25374642N / LON: 104.02909979W	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 5, 2023 Signature and Seal of Professional Surveyor:
	FIRST TAKE POINT 306' FNL 896' FWL, SECTION 6 10607' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 635278.77' / Y: 456074.27' LAT: 32.25345803N / LON: 104.02944701W NAD 27, SPCS NM EAST X: 594095.34' / Y: 456015.22' LAT: 32.25333613N / LON: 104.02895555W	LAST TAKE POINT 454' FSL 994' FWL, SECTION 7 20583' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 635427.90' / Y: 446179.30' LAT: 32.22625697N / LON: 104.02905528W NAD 27, SPCS NM EAST X: 594244.23' / Y: 446120.44' LAT: 32.22613474N / LON: 104.02856475W	BOTTOM HOLE LOCATION 277' FSL 996' FWL, SECTION 7 20760' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 635430.41' / Y: 446002.33' LAT: 32.22577050N / LON: 104.02904878W NAD 27, SPCS NM EAST X: 594246.74' / Y: 445943.48' LAT: 32.22564826N / LON: 104.02855826W
	SHEET 1 OF 1 JOB No. OXY_0011_RD REV 0. BM 1/3/2023		

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



Oxy USA Inc.

Location: Eddy County, NM
Field: Purple Sage Wolfcamp (Gas)
Facility: Dimensions WCL 31 Pad

Slot: Radius CC 6-7 Federal Com 51H
Well: Radius CC 6-7 Federal Com 51H
Wellbore: Radius CC 6-7 Federal Com 51H AWB

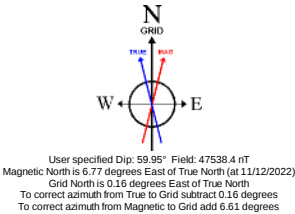


Plot reference wellpath is Radius CC 6-7 Federal Com 51H .awp (9992) 10115-20735 Proj. 20760'	Grid System: NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
True vertical depths are referenced to Citadel 3 (KB)	North Reference: Grid north
Reference wellpath measured depths are referenced to Citadel 3 (KB)	Scale: True distance
Citadel 3 (KB) to Mean Sea Level: 2990.1 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Radius CC 6-7 Federal Com 51H): -2966.1 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: moxagusa on 2022-12-14; Database: WA_HOU_Midland_Defn

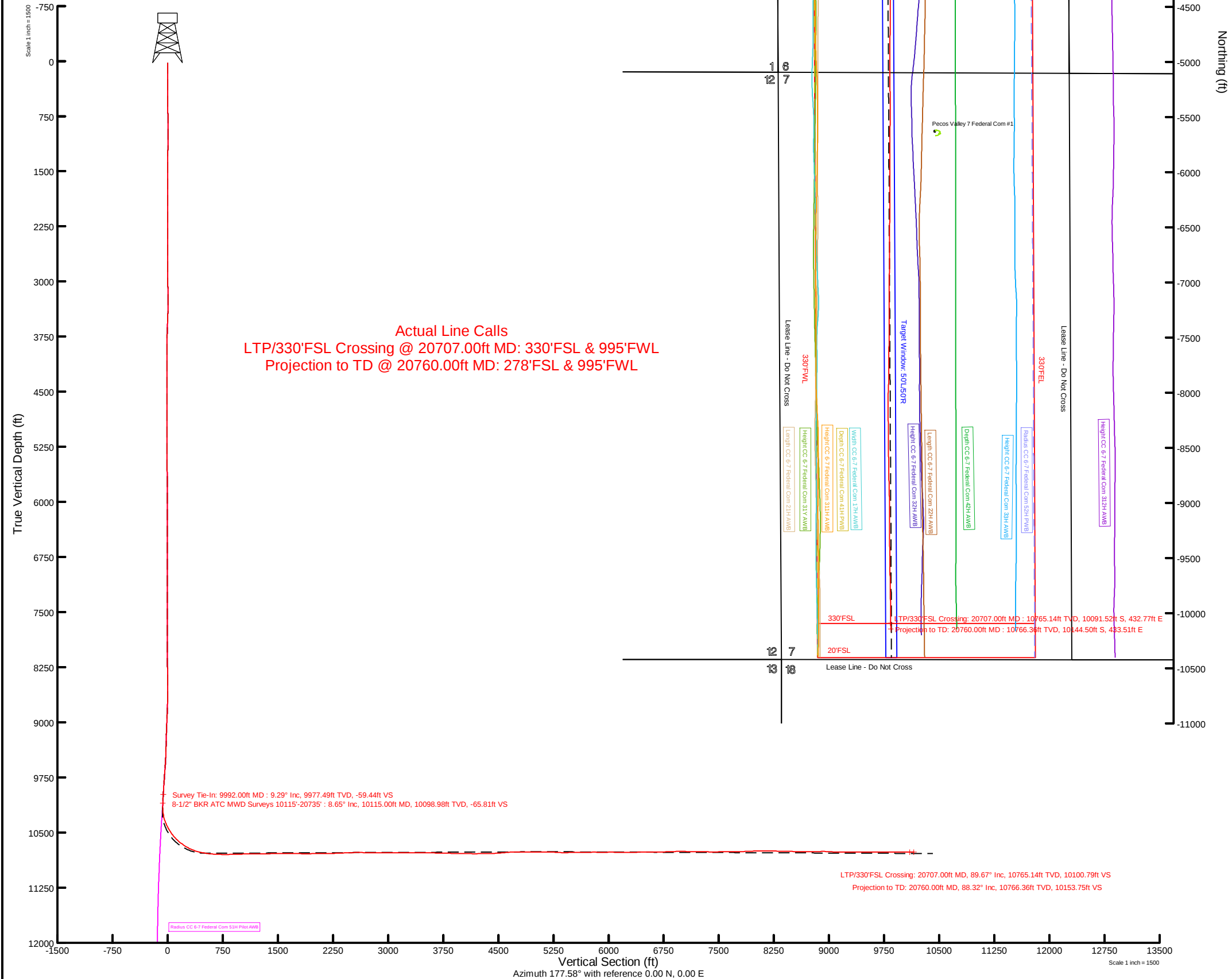
Location Information					
Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Dimensions WCL 31 Pad		634996.440	456179.140	32°15'13.4950"N	104°01'49.4450"W
Slot		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Radius CC 6-7 Federal Com 51H	Local N (ft) 32.31 Local E (ft) 13.46	634996.900	456146.830	32°15'13.1749"N	104°01'49.2893"W
Citadel 3 (KB) to Ground level (At Slot: Radius CC 6-7 Federal Com 51H)				24ft	
Mean Sea Level to Ground level (At Slot: Radius CC 6-7 Federal Com 51H)				-2966.1ft	
Citadel 3 (KB) to Mean Sea Level				2990.1ft	

Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)
Tie On	10198.14	9.024	64.271	10181.06	80.76	238.04	1.30
Cont. Build/Turn	10666.14	45.000	161.424	10601.26	-68.55	328.92	10.00
End Build/Turn - Landing	11146.75	90.250	179.701	10780.78	-495.23	387.80	10.00
Start Drop	15788.81	90.250	179.701	10760.53	-5137.18	412.05	0.00
End Drop	15822.94	89.738	179.701	10760.53	-5171.31	412.23	1.50
PBHL (20'FSL & 1000'FWL)	21053.94	89.738	179.701	10784.45	-10402.18	439.55	0.00

Bottom Hole Location							
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
20760.00	88.320	179.240	10766.36	-10144.50	433.51	635430.37	446003.17



Actual Line Calls
LTP/330'FSL Crossing @ 20707.00ft MD: 330'FSL & 995'FWL
Projection to TD @ 20760.00ft MD: 278'FSL & 995'FWL





Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

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	12/14/2022 at 10:38:52 AM
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	-32.31	13.46	634996.90	456146.83	32°15'13.1749"N	104°01'49.2893"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	Citadel 3 (KB) to Facility Vertical Datum	2990.10ft
Horizontal Reference Pt	Slot	Citadel 3 (KB) to Mean Sea Level	2990.10ft
Vertical Reference Pt	Citadel 3 (KB)	Citadel 3 (KB) to Ground Level at Slot (Radius CC 6-7 Federal Com 51H)	24.00ft
MD Reference Pt	Citadel 3 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	177.58°



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH DATA (217 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	286.610	0.00	0.00	0.00	0.00	634996.90	456146.83	32°15'13.1749"N	104°01'49.2893"W	0.00	0.00	0.00	
24.00	0.000	286.610	24.00	0.00	0.00	0.00	634996.90	456146.83	32°15'13.1749"N	104°01'49.2893"W	0.00	0.00	0.00	
88.63	0.500	286.610	88.63	-0.09	0.08	-0.27	634996.63	456146.91	32°15'13.1757"N	104°01'49.2924"W	0.77	0.77	0.00	
170.90	0.720	269.490	170.89	-0.23	0.18	-1.13	634995.77	456147.01	32°15'13.1767"N	104°01'49.3024"W	0.34	0.27	-20.81	
253.03	0.820	226.110	253.02	0.15	-0.23	-2.07	634994.83	456146.60	32°15'13.1726"N	104°01'49.3134"W	0.70	0.12	-52.82	
347.88	0.840	233.590	347.86	0.98	-1.12	-3.12	634993.78	456145.71	32°15'13.1639"N	104°01'49.3256"W	0.12	0.02	7.89	
442.38	0.800	236.200	442.35	1.71	-1.89	-4.23	634992.68	456144.94	32°15'13.1563"N	104°01'49.3385"W	0.06	-0.04	2.76	
516.00	0.850	247.540	515.96	2.17	-2.39	-5.16	634991.74	456144.44	32°15'13.1514"N	104°01'49.3494"W	0.23	0.07	15.40	
610.00	0.870	248.500	609.95	2.64	-2.92	-6.47	634990.44	456143.91	32°15'13.1462"N	104°01'49.3647"W	0.03	0.02	1.02	
705.00	0.610	233.500	704.94	3.16	-3.48	-7.54	634989.36	456143.35	32°15'13.1406"N	104°01'49.3772"W	0.34	-0.27	-15.79	
775.00	0.110	227.760	774.94	3.41	-3.75	-7.89	634989.01	456143.08	32°15'13.1380"N	104°01'49.3813"W	0.72	-0.71	-8.20	
870.00	0.190	177.280	869.94	3.63	-3.97	-7.95	634988.95	456142.86	32°15'13.1358"N	104°01'49.3820"W	0.15	0.08	-53.14	
964.00	0.080	326.260	963.94	3.73	-4.07	-7.98	634988.92	456142.76	32°15'13.1348"N	104°01'49.3823"W	0.28	-0.12	158.49	
1059.00	0.180	344.910	1058.94	3.53	-3.87	-8.06	634988.84	456142.96	32°15'13.1368"N	104°01'49.3832"W	0.11	0.11	19.63	
1154.00	0.120	331.140	1153.94	3.29	-3.64	-8.14	634988.76	456143.19	32°15'13.1391"N	104°01'49.3842"W	0.07	-0.06	-14.49	
1249.00	0.120	38.300	1248.94	3.13	-3.47	-8.13	634988.77	456143.36	32°15'13.1407"N	104°01'49.3841"W	0.14	0.00	70.69	
1343.00	0.130	33.820	1342.94	2.97	-3.31	-8.01	634988.89	456143.52	32°15'13.1424"N	104°01'49.3827"W	0.01	0.01	-4.77	
1438.00	0.140	55.230	1437.94	2.82	-3.15	-7.85	634989.05	456143.68	32°15'13.1439"N	104°01'49.3808"W	0.05	0.01	22.54	
1533.00	0.020	115.170	1532.94	2.76	-3.09	-7.74	634989.16	456143.74	32°15'13.1445"N	104°01'49.3796"W	0.14	-0.13	63.09	
1627.00	0.120	213.270	1626.94	2.85	-3.18	-7.78	634989.12	456143.65	32°15'13.1436"N	104°01'49.3800"W	0.13	0.11	104.36	
1817.00	0.230	342.530	1816.94	2.64	-2.98	-8.01	634988.89	456143.85	32°15'13.1456"N	104°01'49.3826"W	0.17	0.06	68.03	
1912.00	0.190	28.100	1911.94	2.32	-2.66	-7.99	634988.91	456144.17	32°15'13.1487"N	104°01'49.3824"W	0.18	-0.04	47.97	
2007.00	0.080	13.250	2006.94	2.12	-2.46	-7.90	634989.00	456144.37	32°15'13.1508"N	104°01'49.3814"W	0.12	-0.12	-15.63	
2101.00	0.060	296.640	2100.94	2.04	-2.37	-7.93	634988.97	456144.46	32°15'13.1516"N	104°01'49.3817"W	0.09	-0.02	-81.50	
2196.00	0.110	79.550	2195.94	2.00	-2.34	-7.88	634989.02	456144.49	32°15'13.1520"N	104°01'49.3812"W	0.17	0.05	150.43	
2291.00	0.150	106.910	2290.94	2.03	-2.35	-7.68	634989.23	456144.48	32°15'13.1518"N	104°01'49.3787"W	0.08	0.04	28.80	
2386.00	0.120	145.790	2385.94	2.15	-2.47	-7.50	634989.40	456144.36	32°15'13.1506"N	104°01'49.3767"W	0.10	-0.03	40.93	
2480.00	0.150	119.990	2479.94	2.30	-2.62	-7.34	634989.56	456144.21	32°15'13.1492"N	104°01'49.3748"W	0.07	0.03	-27.45	
2575.00	0.190	152.250	2574.94	2.51	-2.82	-7.16	634989.74	456144.01	32°15'13.1472"N	104°01'49.3727"W	0.11	0.04	33.96	
2670.00	0.160	97.270	2669.94	2.68	-2.97	-6.95	634989.95	456143.86	32°15'13.1456"N	104°01'49.3703"W	0.17	-0.03	-57.87	



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH DATA (217 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
2765.00	0.160	302.480	2764.94	2.62	-2.92	-6.93	634989.97	456143.91	32°15'13.1462"N	104°01'49.3701"W	0.33	0.00	-162.94	
2859.00	0.040	149.760	2858.94	2.58	-2.88	-7.03	634989.87	456143.95	32°15'13.1466"N	104°01'49.3712"W	0.21	-0.13	-162.47	
2954.00	1.070	90.460	2953.93	2.65	-2.91	-6.12	634990.78	456143.92	32°15'13.1462"N	104°01'49.3607"W	1.11	1.08	-62.42	
3049.00	2.340	96.870	3048.89	3.01	-3.15	-3.31	634993.59	456143.68	32°15'13.1438"N	104°01'49.3279"W	1.35	1.34	6.75	
3144.00	3.710	96.830	3143.75	3.82	-3.75	1.67	634998.57	456143.08	32°15'13.1377"N	104°01'49.2700"W	1.44	1.44	-0.04	
3238.00	5.210	93.830	3237.46	4.77	-4.40	8.95	635005.84	456142.43	32°15'13.1311"N	104°01'49.1853"W	1.61	1.60	-3.19	
3333.00	6.150	83.880	3332.00	4.91	-4.14	18.31	635015.21	456142.69	32°15'13.1334"N	104°01'49.0762"W	1.43	0.99	-10.47	
3428.00	6.850	73.980	3426.39	3.25	-2.04	28.81	635025.71	456144.79	32°15'13.1539"N	104°01'48.9538"W	1.39	0.74	-10.42	
3523.00	7.760	71.560	3520.62	0.15	1.56	40.34	635037.24	456148.39	32°15'13.1892"N	104°01'48.8194"W	1.01	0.96	-2.55	
3618.00	4.990	58.860	3615.03	-3.61	5.72	49.97	635046.86	456152.55	32°15'13.2301"N	104°01'48.7073"W	3.25	-2.92	-13.37	
3713.00	2.220	49.670	3709.83	-6.72	9.05	54.91	635051.80	456155.88	32°15'13.2629"N	104°01'48.6496"W	2.97	-2.92	-9.67	
3807.00	0.290	47.110	3803.80	-8.00	10.39	56.47	635053.36	456157.22	32°15'13.2761"N	104°01'48.6314"W	2.05	-2.05	-2.72	
3902.00	0.030	325.250	3898.80	-8.17	10.57	56.63	635053.53	456157.40	32°15'13.2779"N	104°01'48.6295"W	0.30	-0.27	-86.17	
3997.00	0.110	357.700	3993.80	-8.29	10.69	56.61	635053.51	456157.52	32°15'13.2790"N	104°01'48.6297"W	0.09	0.08	34.16	
4092.00	0.110	323.770	4088.80	-8.45	10.85	56.56	635053.45	456157.68	32°15'13.2807"N	104°01'48.6304"W	0.07	0.00	-35.72	
4187.00	0.070	203.810	4183.80	-8.48	10.87	56.48	635053.37	456157.70	32°15'13.2809"N	104°01'48.6313"W	0.17	-0.04	-126.27	
4281.00	0.050	166.480	4277.80	-8.39	10.78	56.47	635053.36	456157.61	32°15'13.2800"N	104°01'48.6314"W	0.05	-0.02	-39.71	
4376.00	0.070	163.230	4372.80	-8.29	10.68	56.49	635053.39	456157.51	32°15'13.2790"N	104°01'48.6311"W	0.02	0.02	-3.42	
4471.00	0.100	164.940	4467.80	-8.15	10.55	56.53	635053.43	456157.38	32°15'13.2777"N	104°01'48.6307"W	0.03	0.03	1.80	
4566.00	0.120	258.020	4562.80	-8.05	10.45	56.45	635053.35	456157.28	32°15'13.2767"N	104°01'48.6316"W	0.17	0.02	97.98	
4661.00	0.100	191.560	4657.80	-7.96	10.35	56.34	635053.24	456157.17	32°15'13.2757"N	104°01'48.6329"W	0.13	-0.02	-69.96	
4756.00	0.090	35.050	4752.80	-7.94	10.32	56.37	635053.26	456157.15	32°15'13.2755"N	104°01'48.6326"W	0.20	-0.01	-164.75	
4850.00	0.150	187.530	4846.80	-7.87	10.26	56.39	635053.29	456157.09	32°15'13.2749"N	104°01'48.6323"W	0.25	0.06	162.21	
4945.00	0.160	179.030	4941.80	-7.62	10.01	56.38	635053.27	456156.84	32°15'13.2723"N	104°01'48.6325"W	0.03	0.01	-8.95	
5040.00	0.130	159.200	5036.80	-7.38	9.77	56.42	635053.31	456156.60	32°15'13.2700"N	104°01'48.6320"W	0.06	-0.03	-20.87	
5135.00	0.180	208.750	5131.80	-7.15	9.54	56.39	635053.28	456156.37	32°15'13.2677"N	104°01'48.6324"W	0.14	0.05	52.16	
5230.00	0.190	231.200	5226.80	-6.93	9.31	56.19	635053.09	456156.14	32°15'13.2655"N	104°01'48.6347"W	0.08	0.01	23.63	
5325.00	0.100	309.800	5321.80	-6.89	9.27	56.00	635052.90	456156.10	32°15'13.2650"N	104°01'48.6368"W	0.21	-0.09	82.74	
5420.00	0.080	177.580	5416.80	-6.88	9.25	55.94	635052.84	456156.08	32°15'13.2649"N	104°01'48.6375"W	0.17	-0.02	-139.18	
5515.00	0.050	354.440	5511.80	-6.86	9.23	55.94	635052.84	456156.06	32°15'13.2646"N	104°01'48.6376"W	0.14	-0.03	186.17	



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH DATA (217 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
5610.00	0.170	211.410	5606.80	-6.78	9.15	55.87	635052.76	456155.98	32°15'13.2639"N	104°01'48.6385"W	0.22	0.13	-150.56	
5704.00	0.060	264.590	5700.80	-6.66	9.03	55.74	635052.64	456155.86	32°15'13.2626"N	104°01'48.6399"W	0.15	-0.12	56.57	
5799.00	0.160	131.760	5795.80	-6.57	8.93	55.79	635052.69	456155.76	32°15'13.2617"N	104°01'48.6393"W	0.22	0.11	-139.82	
5894.00	0.060	228.000	5890.80	-6.45	8.81	55.85	635052.75	456155.64	32°15'13.2605"N	104°01'48.6386"W	0.19	-0.11	101.31	
5989.00	0.090	224.400	5985.80	-6.36	8.73	55.77	635052.66	456155.55	32°15'13.2597"N	104°01'48.6396"W	0.03	0.03	-3.79	
6084.00	0.110	143.790	6080.80	-6.24	8.60	55.77	635052.66	456155.43	32°15'13.2584"N	104°01'48.6396"W	0.14	0.02	-84.85	
6178.00	0.120	107.570	6174.80	-6.13	8.50	55.91	635052.81	456155.33	32°15'13.2574"N	104°01'48.6379"W	0.08	0.01	-38.53	
6273.00	0.150	133.370	6269.80	-6.00	8.38	56.10	635053.00	456155.21	32°15'13.2562"N	104°01'48.6358"W	0.07	0.03	27.16	
6368.00	0.100	215.800	6364.80	-5.85	8.23	56.14	635053.04	456155.06	32°15'13.2547"N	104°01'48.6353"W	0.18	-0.05	86.77	
6463.00	0.170	200.310	6459.80	-5.65	8.03	56.04	635052.94	456154.86	32°15'13.2528"N	104°01'48.6364"W	0.08	0.07	-16.31	
6557.00	0.110	119.000	6553.80	-5.48	7.85	56.07	635052.97	456154.68	32°15'13.2510"N	104°01'48.6361"W	0.20	-0.06	-86.50	
6652.00	0.130	269.310	6648.80	-5.43	7.81	56.05	635052.94	456154.64	32°15'13.2506"N	104°01'48.6364"W	0.24	0.02	158.22	
6747.00	0.020	218.760	6743.80	-5.43	7.79	55.93	635052.82	456154.62	32°15'13.2504"N	104°01'48.6378"W	0.12	-0.12	-53.21	
6842.00	0.070	306.350	6838.80	-5.45	7.82	55.87	635052.77	456154.64	32°15'13.2507"N	104°01'48.6384"W	0.08	0.05	92.20	
6936.00	0.070	317.240	6932.80	-5.53	7.89	55.79	635052.68	456154.72	32°15'13.2514"N	104°01'48.6394"W	0.01	0.00	11.59	
7031.00	0.140	224.260	7027.80	-5.49	7.85	55.67	635052.56	456154.68	32°15'13.2510"N	104°01'48.6408"W	0.17	0.07	-97.87	
7126.00	0.690	189.990	7122.80	-4.86	7.20	55.49	635052.38	456154.03	32°15'13.2446"N	104°01'48.6429"W	0.61	0.58	-36.07	
7221.00	0.270	156.910	7217.79	-4.09	6.44	55.47	635052.37	456153.27	32°15'13.2370"N	104°01'48.6431"W	0.51	-0.44	-34.82	
7316.00	0.040	199.450	7312.79	-3.85	6.20	55.55	635052.45	456153.03	32°15'13.2347"N	104°01'48.6422"W	0.25	-0.24	44.78	
7411.00	0.050	71.680	7407.79	-3.83	6.18	55.58	635052.47	456153.01	32°15'13.2345"N	104°01'48.6419"W	0.09	0.01	-134.49	
7505.00	0.090	161.130	7501.79	-3.77	6.12	55.64	635052.54	456152.95	32°15'13.2339"N	104°01'48.6412"W	0.11	0.04	95.16	
7600.00	0.100	226.050	7596.79	-3.64	6.00	55.61	635052.50	456152.82	32°15'13.2326"N	104°01'48.6416"W	0.11	0.01	68.34	
7695.00	0.090	195.480	7691.79	-3.52	5.87	55.53	635052.42	456152.70	32°15'13.2314"N	104°01'48.6425"W	0.05	-0.01	-32.18	
7790.00	0.290	76.880	7786.79	-3.49	5.85	55.74	635052.64	456152.68	32°15'13.2312"N	104°01'48.6400"W	0.36	0.21	-124.84	
7885.00	0.150	339.760	7881.79	-3.65	6.02	55.93	635052.83	456152.85	32°15'13.2329"N	104°01'48.6378"W	0.36	-0.15	-102.23	
7979.00	0.060	50.030	7975.79	-3.80	6.17	55.93	635052.82	456153.00	32°15'13.2343"N	104°01'48.6378"W	0.15	-0.10	74.76	
8074.00	0.360	229.810	8070.79	-3.65	6.01	55.74	635052.63	456152.84	32°15'13.2328"N	104°01'48.6401"W	0.44	0.32	189.24	
8169.00	1.640	242.360	8165.77	-2.88	5.18	54.31	635051.20	456152.01	32°15'13.2246"N	104°01'48.6568"W	1.36	1.35	13.21	
8264.00	1.310	236.080	8260.74	-1.74	3.95	52.20	635049.10	456150.78	32°15'13.2125"N	104°01'48.6813"W	0.39	-0.35	-6.61	
8359.00	0.290	142.000	8355.73	-0.98	3.15	51.45	635048.34	456149.98	32°15'13.2046"N	104°01'48.6901"W	1.43	-1.07	-99.03	



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH DATA (217 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
8453.00	1.750	104.230	8449.72	-0.37	2.61	52.98	635049.88	456149.44	32°15'13.1992"N	104°01'48.6722"W	1.63	1.55	-40.18	
8548.00	2.930	93.240	8544.64	0.28	2.12	56.81	635053.71	456148.95	32°15'13.1942"N	104°01'48.6276"W	1.32	1.24	-11.57	
8643.00	2.910	76.980	8639.51	0.08	2.52	61.59	635058.48	456149.35	32°15'13.1981"N	104°01'48.5720"W	0.87	-0.02	-17.12	
8738.00	3.130	58.120	8734.38	-1.64	4.44	66.14	635063.03	456151.27	32°15'13.2169"N	104°01'48.5190"W	1.07	0.23	-19.85	
8832.00	3.130	50.270	8828.24	-4.46	7.43	70.29	635067.19	456154.26	32°15'13.2464"N	104°01'48.4705"W	0.46	0.00	-8.35	
8927.00	4.230	53.950	8923.05	-7.97	11.15	75.12	635072.01	456157.98	32°15'13.2831"N	104°01'48.4142"W	1.18	1.16	3.87	
9022.00	5.190	59.360	9017.73	-11.94	15.40	81.65	635078.54	456162.23	32°15'13.3250"N	104°01'48.3380"W	1.11	1.01	5.69	
9117.00	5.640	64.880	9112.30	-15.77	19.57	89.57	635086.47	456166.40	32°15'13.3661"N	104°01'48.2456"W	0.72	0.47	5.81	
9211.00	5.850	72.540	9205.83	-18.80	22.97	98.33	635095.22	456169.80	32°15'13.3994"N	104°01'48.1436"W	0.85	0.22	8.15	
9306.00	6.600	75.710	9300.27	-21.18	25.77	108.24	635105.13	456172.60	32°15'13.4269"N	104°01'48.0281"W	0.87	0.79	3.34	
9401.00	8.260	76.870	9394.47	-23.57	28.67	120.17	635117.06	456175.50	32°15'13.4552"N	104°01'47.8890"W	1.75	1.75	1.22	
9496.00	9.030	70.840	9488.39	-26.99	32.67	133.86	635130.75	456179.50	32°15'13.4944"N	104°01'47.7295"W	1.25	0.81	-6.35	
9590.00	9.930	65.790	9581.11	-32.12	38.41	148.22	635145.11	456185.24	32°15'13.5508"N	104°01'47.5621"W	1.30	0.96	-5.37	
9685.00	9.720	59.940	9674.72	-38.88	45.79	162.63	635159.52	456192.62	32°15'13.6234"N	104°01'47.3940"W	1.07	-0.22	-6.16	
9780.00	9.270	62.130	9768.42	-45.89	53.38	176.34	635173.22	456200.21	32°15'13.6982"N	104°01'47.2342"W	0.61	-0.47	2.31	
9875.00	9.740	65.110	9862.11	-52.25	60.34	190.39	635187.28	456207.17	32°15'13.7666"N	104°01'47.0703"W	0.72	0.49	3.14	
9904.00	9.720	65.650	9890.70	-54.10	62.38	194.85	635191.73	456209.21	32°15'13.7867"N	104°01'47.0183"W	0.32	-0.07	1.86	
9992.00	9.290	66.420	9977.49	-59.44	68.29	208.13	635205.01	456215.11	32°15'13.8448"N	104°01'46.8635"W	0.51	-0.49	0.88	Survey Tie-In: 9992.00ft MD
10115.00	8.650	70.030	10098.98	-65.81	75.42	225.92	635222.80	456222.24	32°15'13.9148"N	104°01'46.6561"W	0.69	-0.52	2.93	8-1/2" BKR ATC MWD Surveys 10115'-2073
10196.00	7.500	100.080	10179.21	-66.51	76.57	236.85	635233.73	456223.40	32°15'13.9260"N	104°01'46.5287"W	5.33	-1.42	37.10	
10291.00	12.430	164.640	10273.00	-55.16	65.59	245.70	635242.57	456212.42	32°15'13.8171"N	104°01'46.4261"W	12.00	5.19	67.96	
10386.00	21.350	165.220	10363.81	-28.25	38.96	252.83	635249.71	456185.79	32°15'13.5533"N	104°01'46.3440"W	9.39	9.39	0.61	
10480.00	30.610	164.420	10448.22	11.86	-0.72	263.65	635260.52	456146.11	32°15'13.1603"N	104°01'46.2193"W	9.86	9.85	-0.85	
10575.00	38.300	166.280	10526.50	64.36	-52.70	277.15	635274.02	456094.13	32°15'12.6457"N	104°01'46.0638"W	8.17	8.09	1.96	
10670.00	46.240	168.040	10596.75	127.16	-114.96	291.26	635288.14	456031.88	32°15'12.0292"N	104°01'45.9015"W	8.45	8.36	1.85	
10765.00	54.940	167.370	10657.00	199.40	-186.60	306.90	635303.78	455960.24	32°15'11.3198"N	104°01'45.7218"W	9.17	9.16	-0.71	
10860.00	62.170	166.240	10706.53	278.96	-265.45	325.42	635322.29	455881.40	32°15'10.5391"N	104°01'45.5087"W	7.68	7.61	-1.19	
10954.00	70.250	170.130	10744.43	363.74	-349.57	342.92	635339.79	455797.29	32°15'9.7063"N	104°01'45.3077"W	9.39	8.60	4.14	
11049.00	78.790	172.320	10769.76	454.64	-439.97	356.84	635353.71	455706.90	32°15'8.8114"N	104°01'45.1486"W	9.26	8.99	2.31	
11144.00	82.320	175.190	10785.35	548.12	-533.10	367.02	635363.89	455613.77	32°15'7.8896"N	104°01'45.0332"W	4.76	3.72	3.02	



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH DATA (217 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
11239.00	87.210	177.220	10794.02	642.66	-627.46	373.27	635370.14	455519.42	32°15'6.9557"N	104°01'44.9635"W	5.57	5.15	2.14	
11334.00	89.090	177.220	10797.09	737.61	-722.30	377.88	635374.75	455424.59	32°15'6.0171"N	104°01'44.9130"W	1.98	1.98	0.00	
11429.00	90.790	177.090	10797.19	832.60	-817.18	382.59	635379.46	455329.72	32°15'5.0782"N	104°01'44.8612"W	1.79	1.79	-0.14	
11523.00	92.110	179.630	10794.81	926.55	-911.10	385.28	635382.15	455235.81	32°15'4.1487"N	104°01'44.8330"W	3.04	1.40	2.70	
11609.00	91.430	179.640	10792.15	1012.46	-997.05	385.83	635382.70	455149.86	32°15'3.2982"N	104°01'44.8294"W	0.79	-0.79	0.01	
11703.00	90.970	180.420	10790.18	1106.35	-1091.03	385.78	635382.65	455055.89	32°15'2.3682"N	104°01'44.8331"W	0.96	-0.49	0.83	
11798.00	90.470	178.960	10788.99	1201.27	-1186.02	386.29	635383.16	454960.91	32°15'1.4283"N	104°01'44.8303"W	1.62	-0.53	-1.54	
11893.00	90.140	180.480	10788.48	1296.20	-1281.02	386.76	635383.63	454865.92	32°15'0.4883"N	104°01'44.8280"W	1.64	-0.35	1.60	
11988.00	91.240	179.910	10787.34	1391.10	-1376.01	386.43	635383.30	454770.94	32°14'59.5484"N	104°01'44.8349"W	1.30	1.16	-0.60	
12083.00	90.380	179.650	10785.99	1486.02	-1471.00	386.80	635383.67	454675.96	32°14'58.6085"N	104°01'44.8338"W	0.95	-0.91	-0.27	
12273.00	90.320	179.860	10784.83	1675.88	-1660.99	387.61	635384.48	454485.98	32°14'56.7284"N	104°01'44.8306"W	0.11	-0.03	0.11	
12367.00	88.530	180.750	10785.78	1769.76	-1754.98	387.11	635383.98	454392.00	32°14'55.7984"N	104°01'44.8395"W	2.13	-1.90	0.95	
12462.00	89.060	180.290	10787.78	1864.61	-1849.95	386.25	635383.12	454297.03	32°14'54.8587"N	104°01'44.8527"W	0.74	0.56	-0.48	
12557.00	91.980	181.030	10786.91	1959.46	-1944.93	385.16	635382.02	454202.06	32°14'53.9189"N	104°01'44.8685"W	3.17	3.07	0.78	
12652.00	90.230	179.420	10785.08	2054.34	-2039.91	384.78	635381.65	454107.09	32°14'52.9791"N	104°01'44.8760"W	2.50	-1.84	-1.69	
12747.00	90.410	180.200	10784.55	2149.26	-2134.90	385.10	635381.97	454012.10	32°14'52.0391"N	104°01'44.8755"W	0.84	0.19	0.82	
12842.00	91.610	180.490	10782.88	2244.13	-2229.89	384.53	635381.39	453917.13	32°14'51.0993"N	104°01'44.8853"W	1.30	1.26	0.31	
12937.00	92.320	179.160	10779.62	2339.00	-2324.83	384.82	635381.68	453822.20	32°14'50.1598"N	104°01'44.8850"W	1.59	0.75	-1.40	
13126.00	91.990	178.770	10772.51	2527.81	-2513.66	388.23	635385.10	453633.38	32°14'48.2912"N	104°01'44.8515"W	0.27	-0.17	-0.21	
13221.00	89.060	178.310	10771.64	2622.78	-2608.62	390.65	635387.52	453538.43	32°14'47.3515"N	104°01'44.8265"W	3.12	-3.08	-0.48	
13316.00	88.970	178.380	10773.27	2717.76	-2703.56	393.39	635390.26	453443.49	32°14'46.4119"N	104°01'44.7977"W	0.12	-0.09	0.07	
13411.00	90.140	179.540	10774.01	2812.73	-2798.54	395.12	635391.98	453348.52	32°14'45.4721"N	104°01'44.7807"W	1.73	1.23	1.22	
13505.00	88.960	178.750	10774.75	2906.69	-2892.53	396.52	635393.38	453254.54	32°14'44.5421"N	104°01'44.7675"W	1.51	-1.26	-0.84	
13600.00	91.310	178.810	10774.53	3001.66	-2987.50	398.54	635395.41	453159.58	32°14'43.6023"N	104°01'44.7471"W	2.47	2.47	0.06	
13695.00	88.160	178.800	10774.97	3096.63	-3082.46	400.52	635397.39	453064.62	32°14'42.6625"N	104°01'44.7272"W	3.32	-3.32	-0.01	
13790.00	89.770	178.970	10776.68	3191.58	-3177.43	402.37	635399.24	452969.67	32°14'41.7228"N	104°01'44.7088"W	1.70	1.69	0.18	
13884.00	90.540	178.430	10776.43	3285.56	-3271.40	404.50	635401.37	452875.70	32°14'40.7928"N	104°01'44.6870"W	1.00	0.82	-0.57	
13979.00	90.070	178.920	10775.92	3380.54	-3366.37	406.70	635403.56	452780.74	32°14'39.8530"N	104°01'44.6646"W	0.71	-0.49	0.52	
14074.00	90.410	178.770	10775.52	3475.52	-3461.35	408.61	635405.48	452685.76	32°14'38.9131"N	104°01'44.6454"W	0.39	0.36	-0.16	
14169.00	89.120	178.670	10775.91	3570.50	-3556.33	410.74	635407.60	452590.80	32°14'37.9733"N	104°01'44.6239"W	1.36	-1.36	-0.11	



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH DATA (217 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
14358.00	88.630	178.960	10779.62	3759.42	-3745.25	414.64	635411.51	452401.89	32°14'36.1038"N	104°01'44.5846"W	0.30	-0.26	0.15	
14453.00	88.380	179.180	10782.10	3854.35	-3840.20	416.18	635413.05	452306.94	32°14'35.1642"N	104°01'44.5698"W	0.35	-0.26	0.23	
14548.00	89.300	178.880	10784.03	3949.30	-3935.17	417.79	635414.66	452211.99	32°14'34.2244"N	104°01'44.5542"W	1.02	0.97	-0.32	
14738.00	88.870	178.390	10787.06	4139.24	-4125.09	422.32	635419.18	452022.08	32°14'32.3450"N	104°01'44.5078"W	0.34	-0.23	-0.26	
14833.00	92.050	179.910	10786.30	4234.19	-4220.06	423.73	635420.59	451927.12	32°14'31.4052"N	104°01'44.4945"W	3.71	3.35	1.60	
14927.00	89.300	178.900	10785.19	4328.13	-4314.04	424.70	635421.57	451833.15	32°14'30.4753"N	104°01'44.4862"W	3.12	-2.93	-1.07	
15022.00	92.420	178.460	10783.76	4423.09	-4408.99	426.89	635423.76	451738.20	32°14'29.5357"N	104°01'44.4639"W	3.32	3.28	-0.46	
15212.00	95.630	181.150	10770.43	4612.43	-4598.48	427.55	635424.41	451548.73	32°14'27.6606"N	104°01'44.4625"W	2.20	1.69	1.42	
15307.00	90.690	180.120	10765.19	4707.12	-4693.30	426.50	635423.36	451453.92	32°14'26.7224"N	104°01'44.4779"W	5.31	-5.20	-1.08	
15401.00	89.950	180.060	10764.67	4801.03	-4787.30	426.35	635423.21	451359.93	32°14'25.7923"N	104°01'44.4827"W	0.79	-0.79	-0.06	
15496.00	90.290	179.940	10764.47	4895.94	-4882.30	426.35	635423.21	451264.94	32°14'24.8523"N	104°01'44.4858"W	0.38	0.36	-0.13	
15591.00	89.920	180.110	10764.29	4990.86	-4977.30	426.31	635423.17	451169.95	32°14'23.9123"N	104°01'44.4894"W	0.43	-0.39	0.18	
15686.00	90.540	180.290	10763.91	5085.76	-5072.29	425.98	635422.84	451074.96	32°14'22.9723"N	104°01'44.4964"W	0.68	0.65	0.19	
15780.00	89.800	180.100	10763.63	5179.66	-5166.29	425.66	635422.52	450980.97	32°14'22.0421"N	104°01'44.5033"W	0.81	-0.79	-0.20	
15875.00	85.540	179.090	10767.49	5274.50	-5261.19	426.33	635423.19	450886.08	32°14'21.1031"N	104°01'44.4986"W	4.61	-4.48	-1.06	
15970.00	88.750	180.260	10772.23	5369.30	-5356.06	426.86	635423.73	450791.22	32°14'20.1644"N	104°01'44.4955"W	3.60	3.38	1.23	
16065.00	91.520	180.140	10772.00	5464.19	-5451.05	426.53	635423.40	450696.24	32°14'19.2245"N	104°01'44.5025"W	2.92	2.92	-0.13	
16159.00	89.950	179.990	10770.80	5558.09	-5545.03	426.42	635423.29	450602.25	32°14'18.2944"N	104°01'44.5068"W	1.68	-1.67	-0.16	
16254.00	91.920	180.400	10769.25	5652.98	-5640.02	426.10	635422.97	450507.28	32°14'17.3546"N	104°01'44.5137"W	2.12	2.07	0.43	
16349.00	90.540	180.130	10767.21	5747.85	-5734.99	425.66	635422.53	450412.31	32°14'16.4148"N	104°01'44.5219"W	1.48	-1.45	-0.28	
16444.00	89.490	180.240	10767.18	5842.75	-5829.99	425.35	635422.22	450317.32	32°14'15.4748"N	104°01'44.5287"W	1.11	-1.11	0.12	
16539.00	90.290	179.690	10767.36	5937.67	-5924.99	425.41	635422.28	450222.33	32°14'14.5348"N	104°01'44.5311"W	1.02	0.84	-0.58	
16633.00	90.230	180.310	10766.94	6031.58	-6018.99	425.41	635422.28	450128.34	32°14'13.6047"N	104°01'44.5342"W	0.66	-0.06	0.66	
16728.00	87.790	180.790	10768.58	6126.43	-6113.96	424.50	635421.37	450033.38	32°14'12.6649"N	104°01'44.5480"W	2.62	-2.57	0.51	
16823.00	90.170	180.270	10770.27	6221.28	-6208.93	423.62	635420.49	449938.41	32°14'11.7252"N	104°01'44.5613"W	2.56	2.51	-0.55	
16918.00	90.940	180.020	10769.35	6316.18	-6303.93	423.38	635420.25	449843.42	32°14'10.7852"N	104°01'44.5672"W	0.85	0.81	-0.26	
17012.00	92.910	180.090	10766.19	6410.04	-6397.87	423.29	635420.16	449749.49	32°14'9.8556"N	104°01'44.5714"W	2.10	2.10	0.07	
17107.00	90.540	180.410	10763.33	6504.89	-6492.82	422.88	635419.74	449654.55	32°14'8.9161"N	104°01'44.5794"W	2.52	-2.49	0.34	
17202.00	89.640	180.060	10763.18	6599.78	-6587.82	422.49	635419.35	449559.56	32°14'7.9761"N	104°01'44.5870"W	1.02	-0.95	-0.37	
17296.00	90.440	180.360	10763.12	6693.68	-6681.82	422.14	635419.01	449465.57	32°14'7.0460"N	104°01'44.5941"W	0.91	0.85	0.32	



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH DATA (217 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
17391.00	91.060	180.360	10761.88	6788.56	-6776.81	421.55	635418.41	449370.59	32°14'6.1061"N	104°01'44.6042"W	0.65	0.65	0.00	
17486.00	92.910	181.090	10758.58	6883.36	-6871.74	420.35	635417.21	449275.66	32°14'5.1668"N	104°01'44.6213"W	2.09	1.95	0.77	
17581.00	89.980	180.170	10756.19	6978.18	-6966.69	419.30	635416.17	449180.72	32°14'4.2272"N	104°01'44.6366"W	3.23	-3.08	-0.97	
17676.00	88.530	180.160	10757.42	7073.07	-7061.68	419.03	635415.89	449085.74	32°14'3.2873"N	104°01'44.6429"W	1.53	-1.53	-0.01	
17770.00	89.610	180.380	10758.95	7166.96	-7155.66	418.59	635415.45	448991.76	32°14'2.3573"N	104°01'44.6512"W	1.17	1.15	0.23	
17865.00	89.430	180.530	10759.75	7261.83	-7250.66	417.83	635414.70	448896.77	32°14'1.4174"N	104°01'44.6631"W	0.25	-0.19	0.16	
17960.00	87.790	179.630	10762.05	7356.71	-7345.63	417.70	635414.56	448801.81	32°14'0.4777"N	104°01'44.6678"W	1.97	-1.73	-0.95	
18055.00	91.000	180.360	10763.05	7451.61	-7440.61	417.71	635414.57	448706.84	32°13'59.5378"N	104°01'44.6708"W	3.47	3.38	0.77	
18150.00	91.740	180.630	10760.78	7546.46	-7535.58	416.89	635413.75	448611.88	32°13'58.5981"N	104°01'44.6835"W	0.83	0.78	0.28	
18245.00	91.550	180.350	10758.05	7641.30	-7630.53	416.07	635412.94	448516.93	32°13'57.6585"N	104°01'44.6961"W	0.36	-0.20	-0.29	
18339.00	89.520	180.210	10757.18	7735.18	-7724.52	415.61	635412.48	448422.95	32°13'56.7285"N	104°01'44.7045"W	2.16	-2.16	-0.15	
18434.00	90.350	180.270	10757.28	7830.08	-7819.52	415.22	635412.08	448327.96	32°13'55.7885"N	104°01'44.7123"W	0.88	0.87	0.06	
18529.00	93.310	182.170	10754.25	7924.82	-7914.44	413.20	635410.06	448233.05	32°13'54.8494"N	104°01'44.7389"W	3.70	3.12	2.00	
18624.00	92.050	182.800	10749.81	8019.37	-8009.24	409.08	635405.95	448138.25	32°13'53.9114"N	104°01'44.7900"W	1.48	-1.33	0.66	
18718.00	89.610	179.670	10748.45	8113.15	-8103.19	407.06	635403.92	448044.31	32°13'52.9818"N	104°01'44.8166"W	4.22	-2.60	-3.33	
18813.00	88.870	178.650	10749.71	8208.10	-8198.17	408.45	635405.32	447949.34	32°13'52.0419"N	104°01'44.8035"W	1.33	-0.78	-1.07	
18908.00	86.870	179.260	10753.24	8303.01	-8293.08	410.18	635407.05	447854.43	32°13'51.1027"N	104°01'44.7865"W	2.20	-2.11	0.64	
19003.00	89.490	179.000	10756.26	8397.92	-8388.02	411.62	635408.49	447759.51	32°13'50.1633"N	104°01'44.7729"W	2.77	2.76	-0.27	
19097.00	89.610	180.050	10756.99	8491.86	-8482.01	412.40	635409.27	447665.52	32°13'49.2332"N	104°01'44.7669"W	1.12	0.13	1.12	
19192.00	87.760	179.200	10759.17	8586.77	-8576.98	413.02	635409.89	447570.56	32°13'48.2935"N	104°01'44.7628"W	2.14	-1.95	-0.89	
19287.00	90.170	179.210	10760.89	8681.71	-8671.94	414.34	635411.21	447475.60	32°13'47.3537"N	104°01'44.7506"W	2.54	2.54	0.01	
19381.00	90.630	179.050	10760.23	8775.67	-8765.93	415.77	635412.63	447381.63	32°13'46.4237"N	104°01'44.7371"W	0.52	0.49	-0.17	
19476.00	92.510	178.700	10757.63	8870.60	-8860.87	417.63	635414.50	447286.69	32°13'45.4842"N	104°01'44.7185"W	2.01	1.98	-0.37	
19571.00	87.330	178.240	10757.76	8965.56	-8955.81	420.17	635417.03	447191.77	32°13'44.5447"N	104°01'44.6921"W	5.47	-5.45	-0.48	
19666.00	87.080	180.530	10762.40	9060.39	-9050.68	421.19	635418.05	447096.90	32°13'43.6059"N	104°01'44.6834"W	2.42	-0.26	2.41	
19761.00	88.810	179.950	10765.80	9155.23	-9145.61	420.79	635417.66	447001.97	32°13'42.6665"N	104°01'44.6911"W	1.92	1.82	-0.61	
19855.00	90.320	179.350	10766.52	9249.16	-9239.61	421.36	635418.23	446907.99	32°13'41.7364"N	104°01'44.6875"W	1.73	1.61	-0.64	
19950.00	90.040	179.430	10766.22	9344.11	-9334.60	422.38	635419.24	446813.00	32°13'40.7964"N	104°01'44.6789"W	0.31	-0.29	0.08	
20044.00	90.380	179.110	10765.87	9438.07	-9428.59	423.57	635420.44	446719.02	32°13'39.8664"N	104°01'44.6681"W	0.50	0.36	-0.34	
20139.00	90.010	179.820	10765.55	9533.02	-9523.59	424.46	635421.33	446624.03	32°13'38.9263"N	104°01'44.6609"W	0.84	-0.39	0.75	



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH DATA (217 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
20234.00	89.770	178.900	10765.73	9627.97	-9618.58	425.52	635422.39	446529.05	32°13'37.9864"N	104°01'44.6516"W	1.00	-0.25	-0.97	
20328.00	89.920	179.020	10765.99	9721.94	-9712.56	427.23	635424.09	446435.07	32°13'37.0563"N	104°01'44.6349"W	0.20	0.16	0.13	
20518.00	90.600	179.230	10765.12	9911.87	-9902.54	430.13	635426.99	446245.11	32°13'35.1764"N	104°01'44.6074"W	0.37	0.36	0.11	
20612.00	89.860	179.240	10764.75	10005.83	-9996.53	431.38	635428.25	446151.13	32°13'34.2463"N	104°01'44.5959"W	0.79	-0.79	0.01	
20707.00	89.670	179.090	10765.14	10100.79	-10091.52	432.77	635429.63	446056.15	32°13'33.3064"N	104°01'44.5829"W	0.25	-0.20	-0.16	LTP/330'FSL Crossing: 20707.00ft MD
20735.00	88.320	179.240	10765.63	10128.78	-10119.51	433.18	635430.04	446028.16	32°13'33.0294"N	104°01'44.5790"W	4.85	-4.82	0.54	
20760.00‡	88.320	179.240	10766.36	10153.75	-10144.50	433.51	635430.37	446003.17	32°13'32.7821"N	104°01'44.5760"W	0.00	0.00	0.00	Projection to TD: 20760.00ft MD



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

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 51H - 5150'VS	10760.53	-5137.18	412.05	635408.92	451010.08	32°14'22.3306"N	104°01'44.6607"W	point
Radius CC 6-7 Fed Com 51H - LTP	10783.04	-10092.16	437.94	635434.80	446055.51	32°13'33.2999"N	104°01'44.5227"W	point
Radius CC 6-7 Fed Com 51H - FTP	10783.51	132.27	384.52	635381.39	456279.09	32°15'14.4730"N	104°01'44.8074"W	point
Radius CC 6-7 Fed Com 51H - KOP	10783.72	182.28	384.26	635381.13	456329.09	32°15'14.9678"N	104°01'44.8088"W	point
Radius CC 6-7 Fed Com 51H - PBHL	10784.45	-10402.18	439.55	635436.41	445745.51	32°13'30.2321"N	104°01'44.5142"W	point

WELLPATH COMPOSITION - Ref Wellbore: Radius CC 6-7 Federal Com 51H AWB Ref Wellpath: Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
24.00	442.38	BH Generic gyro - northseeking (Standard)	Adjusted Gyrodata Gyro Surveys 88.63'-442.38' (Imported)	Radius CC 6-7 Federal Com 51H Pilot
442.38	9992.00	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	PHX MWD Surveys 516'-14148' (Imported)	Radius CC 6-7 Federal Com 51H Pilot
9992.00	20760.00	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	8-1/2" BKR ATC MWD Surveys 10115'-20735'	Radius CC 6-7 Federal Com 51H AWB



Actual Wellpath Report

Radius CC 6-7 Federal Com 51H_awp (9992') 10115'-20735' Proj: 20760'

Page 11 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	Oxy USA Inc.	Well	Radius CC 6-7 Federal Com 51H
Field	Purple Sage Wolfcamp (Gas) - Eddy County, NM	API	30-015-46825-01
Facility	Dimensions WCL 31 Pad	Wellbore	Radius CC 6-7 Federal Com 51H AWB
Slot	Radius CC 6-7 Federal Com 51H	Sidetrack from	Radius CC 6-7 Federal Com 51H Pilot_awp 88.63'-14148' at 9992.00 MD

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
9992.00	9.290	66.420	9977.49	Survey Tie-In: 9992.00ft MD
10115.00	8.650	70.030	10098.98	8-1/2" BKR ATC MWD Surveys 10115'-20735'
20707.00	89.670	179.090	10765.14	LTP/330'FSL Crossing: 20707.00ft MD
20760.00	88.320	179.240	10766.36	Projection to TD: 20760.00ft 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 174342

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 174342
	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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CONDITIONS

Action 174342

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 174342
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	RT Expires 04/10/2023	3/2/2023