

District I
1625 N. French Dr., Hobbs, NM 88240
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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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. PO BOX 50250 MIDLAND, TX 79710		² OGRID Number 16696
		³ Reason for Filing Code/ Effective Date NW - 10/19/2023
⁴ API Number 30 - 025-51340	⁵ Pool Name Red Tank; Bonespring, East	
	⁶ Pool Code 51687	
⁷ Property Code 325625	⁸ Property Name Avogato 30 31 State Com	⁹ Well Number 2H

II. ¹⁰ Surface Location

UL or lot no. C	Section 30	Township 22S	Range 33E	Lot Idn	Feet from the 240	North/South Line North	Feet from the 2265	East/West line West	County Lea
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¹¹ Bottom Hole Location

UL or lot no. O	Section 31	Township 22S	Range 33E	Lot Idn	Feet from the 39	North/South line South	Feet from the 2552	East/West line East	County Lea
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 11/02/23	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
237722	Centerion Pipeline, L.P.	O
248749	DCP Midstream, L.P.	G

IV. Well Completion Data

²¹ Spud Date 06/10/2023	²² Ready Date 10/19/2023	²³ TD 20296' MD; 10123' TVD	²⁴ PBDT 20252' MD; 10123' TVD	²⁵ Perforations 10642' - 20157'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
14 3/4"		10 3/4" 45.5# J55		1031'	1095 sx - TOC 0'
9 7/8"		7 5/8" 26.4# HCL80		9393'	2634 sx - TOC 0'
6 3/4"		5 1/2" 20# P110		20276'	888 sx - TOC 8478'

V. Well Test Data

³¹ Date New Oil 11/02/2023	³² Gas Delivery Date 11/02/2023	³³ Test Date 11/26/2023	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 972
³⁷ Choke Size 0	³⁸ Oil 164	³⁹ Water 831	⁴⁰ Gas 355		⁴¹ Test Method Flowing

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: 		OIL CONSERVATION DIVISION	
Printed name: Sarah McKinney		Approved by: PATRICIA MARTINEZ	
Title: Regulatory Analyst Sr.		Title: PETROLEUM SPECIALIST	
E-mail Address: sarah_mckinney@oxy.com		Approval Date: 4/25/2024	
Date: 12/19/2023	Phone: 713-215-7295		

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

As-Drilled Plat

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-51340		Pool Code 51687	Pool Name Red Tank; Bone Spring, East
Property Code 325625	Property Name AVOGATO 30_31 STATE COM		Well Number 2H
OGRID No. 16696	Operator Name OXY USA INC.		Elevation 3694.6'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	22-S	33-E		240	NORTH	2265	WEST	LEA

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
O	31	22-S	33-E		39	SOUTH	2552	EAST	LEA
Dedicated Acres 640		Joint or Infill	Consolidation Code	Order No. NSL-8591					

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

SEE PAGE 2



OXY USA INC.

Lea County, NM (NAD83-NME)

Avogato 30_31

Avogato 30_31 State Com 2H

OH / 72588

Design: Surveys (Nabors X30)

Standard Survey Report

29 August, 2023





Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Avogato 30_31 State Com 2H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3727.10usft (Nabors X30)
Site:	Avogato 30_31	MD Reference:	RKB @ 3727.10usft (Nabors X30)
Well:	Avogato 30_31 State Com 2H	North Reference:	Grid
Wellbore:	OH / 72588	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X30)	Database:	USAEDMDB

Project	Lea County, NM (NAD83-NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Avogato 30_31		
Site Position:		Northing:	498,699.30 usft
From:	Map	Easting:	763,833.80 usft
Position Uncertainty:	1.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 22' 8.165438 N
		Longitude:	103° 36' 45.659808 W

Well	Avogato 30_31 State Com 2H		
Well Position	+N/-S	0.00 usft	Northing: 498,879.70 usft
	+E/-W	0.00 usft	Easting: 763,902.40 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.386 °	Ground Level:	3,694.60 usft

Wellbore	OH / 72588				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	6/30/2023	6.376	59.956	47,656.60000000

Design	Surveys (Nabors X30)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	177.65	

Survey Program	Date	8/29/2023			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
32.50	990.50	SDT MWD Surveys - Adj Surface (OH / 72	B004Mb_MWD+HRGM+Σ	OWSG MWD + HRGM + Sag Correction	
1,072.00	20,296.00	Phoenix MWD Surveys - SQC Final (OH /	SQC_C705a_MWD+IFR1	OWSG MWD + IFR1 + Sag + FDIR Correction	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
32.50	0.00	0.00	32.50	0.00	0.00	0.00	0.00	0.00	0.00	
181.50	0.18	9.18	181.50	0.23	0.04	-0.23	0.12	0.12	0.00	
266.50	0.45	8.43	266.50	0.69	0.11	-0.69	0.32	0.32	-0.88	
361.50	0.23	1.23	361.50	1.25	0.17	-1.24	0.24	-0.23	-7.58	
455.50	0.45	332.49	455.50	1.77	0.00	-1.77	0.29	0.23	-30.57	
549.50	0.26	334.79	549.49	2.29	-0.26	-2.30	0.20	-0.20	2.45	
643.50	0.48	331.45	643.49	2.83	-0.54	-2.85	0.24	0.23	-3.55	
738.50	0.45	347.02	738.49	3.54	-0.81	-3.57	0.14	-0.03	16.39	

Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Avogato 30_31 State Com 2H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3727.10usft (Nabors X30)
Site:	Avogato 30_31	MD Reference:	RKB @ 3727.10usft (Nabors X30)
Well:	Avogato 30_31 State Com 2H	North Reference:	Grid
Wellbore:	OH / 72588	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X30)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
832.50	0.35	354.78	832.49	4.19	-0.92	-4.22	0.12	-0.11	8.26
927.50	0.45	330.81	927.48	4.80	-1.13	-4.84	0.20	0.11	-25.23
990.50	0.55	339.32	990.48	5.30	-1.36	-5.35	0.20	0.16	13.51
Tie In									
1,072.00	0.30	351.08	1,071.98	5.88	-1.53	-5.93	0.32	-0.31	14.43
First Phoenix MWD Survey									
1,167.00	0.36	332.56	1,166.98	6.39	-1.71	-6.45	0.13	0.06	-19.49
1,262.00	0.35	334.42	1,261.98	6.91	-1.97	-6.99	0.02	-0.01	1.96
1,356.00	0.53	188.66	1,355.97	6.74	-2.16	-6.83	0.90	0.19	-155.06
1,451.00	2.86	198.12	1,450.93	4.06	-2.96	-4.17	2.46	2.45	9.96
1,546.00	5.38	203.91	1,545.67	-2.27	-5.50	2.04	2.69	2.65	6.09
1,641.00	5.90	202.23	1,640.21	-10.86	-9.16	10.48	0.57	0.55	-1.77
1,735.00	4.99	195.82	1,733.79	-19.27	-12.10	18.75	1.16	-0.97	-6.82
1,830.00	4.25	187.90	1,828.48	-26.73	-13.71	26.14	1.03	-0.78	-8.34
1,925.00	3.69	181.95	1,923.25	-33.27	-14.30	32.66	0.73	-0.59	-6.26
2,020.00	3.38	178.37	2,018.07	-39.12	-14.32	38.51	0.40	-0.33	-3.77
2,115.00	2.72	165.08	2,112.94	-44.10	-13.66	43.51	1.01	-0.69	-13.99
2,210.00	1.95	156.35	2,207.86	-47.76	-12.43	47.21	0.89	-0.81	-9.19
2,305.00	1.47	148.88	2,302.82	-50.28	-11.15	49.79	0.56	-0.51	-7.86
2,400.00	0.71	134.03	2,397.80	-51.74	-10.10	51.28	0.85	-0.80	-15.63
2,495.00	0.59	120.34	2,492.79	-52.39	-9.26	51.97	0.21	-0.13	-14.41
2,590.00	0.28	144.76	2,587.79	-52.83	-8.70	52.43	0.37	-0.33	25.71
2,684.00	0.41	121.52	2,681.79	-53.19	-8.28	52.81	0.20	0.14	-24.72
2,779.00	0.37	118.42	2,776.79	-53.52	-7.72	53.16	0.05	-0.04	-3.26
2,874.00	0.41	126.49	2,871.78	-53.87	-7.18	53.53	0.07	0.04	8.49
2,969.00	0.41	158.32	2,966.78	-54.38	-6.78	54.06	0.24	0.00	33.51
3,064.00	0.42	139.79	3,061.78	-54.96	-6.43	54.66	0.14	0.01	-19.51
3,159.00	0.43	154.79	3,156.78	-55.55	-6.05	55.26	0.12	0.01	15.79
3,253.00	0.42	149.28	3,250.77	-56.17	-5.73	55.89	0.04	-0.01	-5.86
3,348.00	0.20	130.08	3,345.77	-56.57	-5.42	56.31	0.25	-0.23	-20.21
3,443.00	0.13	160.63	3,440.77	-56.78	-5.26	56.52	0.12	-0.07	32.16
3,538.00	0.26	164.51	3,535.77	-57.09	-5.17	56.83	0.14	0.14	4.08
3,633.00	0.10	186.64	3,630.77	-57.38	-5.12	57.13	0.18	-0.17	23.29
3,728.00	0.32	132.36	3,725.77	-57.64	-4.93	57.39	0.29	0.23	-57.14
3,823.00	0.14	203.42	3,820.77	-57.93	-4.78	57.68	0.32	-0.19	74.80
3,918.00	0.16	200.23	3,915.77	-58.16	-4.87	57.91	0.02	0.02	-3.36
4,013.00	0.16	114.02	4,010.77	-58.34	-4.80	58.09	0.23	0.00	-90.75
4,108.00	0.43	126.90	4,105.77	-58.61	-4.39	58.38	0.29	0.28	13.56
4,202.00	0.22	99.39	4,199.77	-58.85	-3.93	58.64	0.27	-0.22	-29.27
4,297.00	0.15	90.06	4,294.77	-58.88	-3.63	58.68	0.08	-0.07	-9.82
4,392.00	0.28	211.02	4,389.77	-59.08	-3.62	58.88	0.40	0.14	127.33
4,487.00	0.22	149.44	4,484.76	-59.43	-3.65	59.23	0.27	-0.06	-64.82
4,582.00	0.39	170.91	4,579.76	-59.91	-3.51	59.72	0.21	0.18	22.60



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Avogato 30_31 State Com 2H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3727.10usft (Nabors X30)
Site:	Avogato 30_31	MD Reference:	RKB @ 3727.10usft (Nabors X30)
Well:	Avogato 30_31 State Com 2H	North Reference:	Grid
Wellbore:	OH / 72588	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X30)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,677.00	0.19	99.34	4,674.76	-60.25	-3.30	60.07	0.40	-0.21	-75.34
4,772.00	0.25	147.43	4,769.76	-60.45	-3.03	60.28	0.20	0.06	50.62
4,867.00	0.22	83.44	4,864.76	-60.61	-2.74	60.44	0.26	-0.03	-67.36
4,962.00	0.14	154.05	4,959.76	-60.69	-2.51	60.54	0.23	-0.08	74.33
5,057.00	0.22	67.59	5,054.76	-60.73	-2.29	60.58	0.27	0.08	-91.01
5,151.00	0.12	171.06	5,148.76	-60.75	-2.11	60.62	0.29	-0.11	110.07
5,246.00	0.18	152.04	5,243.76	-60.98	-2.02	60.85	0.08	0.06	-20.02
5,341.00	0.13	214.50	5,338.76	-61.21	-2.01	61.07	0.18	-0.05	65.75
5,436.00	0.27	179.14	5,433.76	-61.52	-2.07	61.38	0.19	0.15	-37.22
5,531.00	0.21	239.03	5,528.76	-61.83	-2.22	61.69	0.26	-0.06	63.04
5,626.00	0.14	277.24	5,623.76	-61.91	-2.48	61.75	0.14	-0.07	40.22
5,720.00	0.15	157.51	5,717.76	-62.01	-2.55	61.85	0.27	0.01	-127.37
5,815.00	0.15	149.72	5,812.76	-62.23	-2.44	62.08	0.02	0.00	-8.20
5,910.00	0.12	285.93	5,907.76	-62.31	-2.47	62.15	0.26	-0.03	143.38
6,005.00	0.12	277.43	6,002.76	-62.27	-2.66	62.11	0.02	0.00	-8.95
6,100.00	0.16	353.80	6,097.76	-62.12	-2.78	61.96	0.19	0.04	80.39
6,195.00	0.11	51.42	6,192.76	-61.93	-2.72	61.77	0.14	-0.05	60.65
6,289.00	0.25	269.46	6,286.76	-61.88	-2.85	61.71	0.37	0.15	-151.02
6,384.00	0.31	251.00	6,381.76	-61.97	-3.30	61.78	0.11	0.06	-19.43
6,479.00	0.24	15.10	6,476.75	-61.86	-3.50	61.66	0.51	-0.07	130.63
6,574.00	0.33	77.18	6,571.75	-61.60	-3.18	61.42	0.32	0.09	65.35
6,669.00	0.27	53.69	6,666.75	-61.41	-2.73	61.25	0.14	-0.06	-24.73
6,764.00	0.14	90.22	6,761.75	-61.28	-2.43	61.13	0.19	-0.14	38.45
6,953.00	0.85	57.88	6,950.74	-60.53	-1.02	60.44	0.39	0.38	-17.11
7,048.00	3.51	70.15	7,045.67	-59.17	2.32	59.22	2.83	2.80	12.92
7,142.00	5.97	66.35	7,139.34	-56.23	9.50	56.58	2.64	2.62	-4.04
7,237.00	7.05	57.01	7,233.73	-51.08	18.92	51.81	1.59	1.14	-9.83
7,332.00	7.66	50.15	7,327.95	-43.85	28.67	44.98	1.12	0.64	-7.22
7,427.00	8.82	47.79	7,421.96	-34.89	38.93	36.46	1.27	1.22	-2.48
7,521.00	7.54	46.63	7,515.01	-25.82	48.75	27.79	1.37	-1.36	-1.23
7,616.00	7.63	46.45	7,609.18	-17.19	57.85	19.55	0.10	0.09	-0.19
7,710.00	7.75	48.23	7,702.33	-8.67	67.10	11.41	0.28	0.13	1.89
7,805.00	8.44	48.64	7,796.38	0.20	77.11	2.95	0.73	0.73	0.43
7,900.00	8.60	47.59	7,890.33	9.60	87.59	-6.01	0.23	0.17	-1.11
7,994.00	8.69	47.29	7,983.27	19.16	97.99	-15.13	0.11	0.10	-0.32
8,089.00	8.99	46.78	8,077.14	29.11	108.68	-24.63	0.33	0.32	-0.54
8,184.00	8.94	46.65	8,170.98	39.26	119.45	-34.33	0.06	-0.05	-0.14
8,278.00	8.80	45.15	8,263.85	49.34	129.86	-43.98	0.29	-0.15	-1.60
8,373.00	9.25	44.21	8,357.68	59.94	140.34	-54.14	0.50	0.47	-0.99
8,468.00	8.99	42.36	8,451.48	70.90	150.66	-64.67	0.41	-0.27	-1.95
8,562.00	8.92	39.70	8,544.33	81.93	160.27	-75.30	0.45	-0.07	-2.83
8,657.00	8.70	39.32	8,638.21	93.16	169.52	-86.14	0.24	-0.23	-0.40
8,752.00	8.75	42.61	8,732.11	104.03	178.97	-96.62	0.53	0.05	3.46
8,847.00	8.69	43.23	8,826.01	114.58	188.78	-106.76	0.12	-0.06	0.65



Phoenix Survey Report



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Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3727.10usft (Nabors X30)
Site:	Avogato 30_31	MD Reference:	RKB @ 3727.10usft (Nabors X30)
Well:	Avogato 30_31 State Com 2H	North Reference:	Grid
Wellbore:	OH / 72588	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X30)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,942.00	9.03	42.80	8,919.88	125.28	198.76	-117.04	0.36	0.36	-0.45
9,037.00	8.30	45.76	9,013.79	135.53	208.73	-126.88	0.90	-0.77	3.12
9,131.00	8.47	44.95	9,106.79	145.17	218.49	-136.10	0.22	0.18	-0.86
9,226.00	8.56	43.49	9,200.74	155.25	228.29	-145.77	0.25	0.09	-1.54
9,270.00	9.05	41.64	9,244.22	160.21	232.85	-150.54	1.29	1.11	-4.20
9,431.00	7.63	63.86	9,403.56	174.39	250.86	-163.97	2.17	-0.88	13.80
9,506.49	13.35	105.71	9,477.85	174.23	263.78	-163.29	12.16	7.58	55.44
SL: 9506.49' MD, 13.35° Inc									
9,526.00	15.38	110.68	9,496.75	172.71	268.37	-161.58	12.16	10.40	25.48
9,620.00	20.56	150.77	9,586.47	153.82	288.18	-141.89	13.92	5.51	42.65
9,660.86	19.92	161.36	9,624.82	140.96	293.91	-128.81	9.09	-1.56	25.91
FTP: 9660.86' MD, 19.92° Inc									
9,715.00	20.09	175.76	9,675.72	122.93	297.55	-110.65	9.09	0.31	26.60
9,809.00	30.93	172.79	9,760.43	82.75	301.79	-70.32	11.61	11.53	-3.16
9,904.00	38.15	173.02	9,838.64	29.33	308.42	-16.68	7.60	7.60	0.24
9,998.00	45.25	175.54	9,908.78	-32.85	314.56	45.70	7.76	7.55	2.68
10,093.00	64.62	177.97	9,963.10	-110.11	318.74	123.07	20.49	20.39	2.56
10,201.00	68.51	176.72	10,006.05	-209.08	323.35	222.14	3.76	3.60	-1.16
10,295.00	75.46	178.58	10,035.10	-298.34	326.98	311.47	7.63	7.39	1.98
10,389.00	85.52	179.59	10,050.62	-390.91	328.45	404.03	10.75	10.70	1.07
10,484.00	80.98	179.23	10,061.78	-485.22	329.42	498.30	4.79	-4.78	-0.38
10,578.00	80.97	180.50	10,076.52	-578.06	329.63	591.07	1.33	-0.01	1.35
10,673.00	80.42	181.93	10,091.89	-671.78	327.65	684.63	1.59	-0.58	1.51
10,767.00	83.83	182.50	10,104.76	-764.81	324.05	777.44	3.68	3.63	0.61
10,862.00	92.01	182.33	10,108.21	-859.59	320.05	871.97	8.61	8.61	-0.18
10,950.00	101.80	181.56	10,097.64	-946.79	317.08	958.98	11.16	11.13	-0.88
11,044.00	99.39	179.16	10,080.36	-1,039.17	316.51	1,051.26	3.59	-2.56	-2.55
11,138.00	91.82	175.97	10,071.18	-1,132.56	320.50	1,144.73	8.73	-8.05	-3.39
11,233.00	88.66	174.06	10,070.78	-1,227.18	328.75	1,239.61	3.89	-3.33	-2.01
11,328.00	89.12	172.51	10,072.62	-1,321.51	339.86	1,334.31	1.70	0.48	-1.63
11,423.00	89.83	170.17	10,073.49	-1,415.41	354.16	1,428.73	2.57	0.75	-2.46
11,517.00	90.52	169.82	10,073.21	-1,507.98	370.49	1,521.89	0.82	0.73	-0.37
11,612.00	89.70	172.72	10,073.02	-1,601.87	384.91	1,616.29	3.17	-0.86	3.05
11,706.00	89.55	175.71	10,073.64	-1,695.38	394.38	1,710.10	3.18	-0.16	3.18
11,800.00	89.63	179.69	10,074.31	-1,789.28	398.15	1,804.08	4.23	0.09	4.23
11,895.00	89.81	181.85	10,074.78	-1,884.27	396.88	1,898.94	2.28	0.19	2.27
11,990.00	89.88	182.15	10,075.03	-1,979.21	393.56	1,993.66	0.32	0.07	0.32
12,085.00	90.63	183.49	10,074.61	-2,074.09	388.89	2,088.27	1.62	0.79	1.41
12,180.00	89.70	182.77	10,074.34	-2,168.95	383.70	2,182.84	1.24	-0.98	-0.76
12,274.00	89.86	181.25	10,074.70	-2,262.89	380.40	2,276.56	1.63	0.17	-1.62
12,369.00	90.93	183.67	10,074.04	-2,357.79	376.33	2,371.22	2.79	1.13	2.55
12,464.00	91.03	181.37	10,072.42	-2,452.68	372.15	2,465.85	2.42	0.11	-2.42
12,559.00	90.95	179.53	10,070.78	-2,547.65	371.41	2,560.72	1.94	-0.08	-1.94



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Avogato 30_31 State Com 2H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3727.10usft (Nabors X30)
Site:	Avogato 30_31	MD Reference:	RKB @ 3727.10usft (Nabors X30)
Well:	Avogato 30_31 State Com 2H	North Reference:	Grid
Wellbore:	OH / 72588	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X30)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,654.00	89.40	177.12	10,070.49	-2,642.60	374.18	2,655.71	3.02	-1.63	-2.54
12,748.00	88.72	177.09	10,072.03	-2,736.47	378.93	2,749.69	0.72	-0.72	-0.03
12,843.00	88.79	178.52	10,074.09	-2,831.38	382.57	2,844.66	1.51	0.07	1.51
12,938.00	89.37	179.24	10,075.62	-2,926.34	384.42	2,939.63	0.97	0.61	0.76
13,033.00	89.43	180.67	10,076.61	-3,021.34	384.50	3,034.54	1.51	0.06	1.51
13,128.00	89.18	178.93	10,077.77	-3,116.32	384.83	3,129.47	1.85	-0.26	-1.83
13,223.00	89.05	178.37	10,079.23	-3,211.29	387.07	3,224.44	0.61	-0.14	-0.59
13,317.00	89.58	179.11	10,080.36	-3,305.26	389.13	3,318.42	0.97	0.56	0.79
13,412.00	89.28	178.55	10,081.30	-3,400.23	391.07	3,413.39	0.67	-0.32	-0.59
13,507.00	89.24	178.34	10,082.53	-3,495.19	393.65	3,508.37	0.23	-0.04	-0.22
13,602.00	89.12	178.57	10,083.89	-3,590.14	396.21	3,603.35	0.27	-0.13	0.24
13,697.00	88.80	178.37	10,085.61	-3,685.09	398.75	3,698.33	0.40	-0.34	-0.21
13,792.00	88.76	178.39	10,087.63	-3,780.03	401.43	3,793.30	0.05	-0.04	0.02
13,887.00	88.66	178.82	10,089.77	-3,874.98	403.75	3,888.26	0.46	-0.11	0.45
13,982.00	89.51	178.31	10,091.29	-3,969.94	406.12	3,983.24	1.04	0.89	-0.54
14,077.00	90.30	179.80	10,091.45	-4,064.92	407.69	4,078.21	1.78	0.83	1.57
14,171.00	89.86	181.20	10,091.32	-4,158.92	406.87	4,172.09	1.56	-0.47	1.49
14,266.00	89.43	179.98	10,091.91	-4,253.91	405.89	4,266.96	1.36	-0.45	-1.28
14,361.00	88.02	180.01	10,094.02	-4,348.88	405.90	4,361.85	1.48	-1.48	0.03
14,456.00	90.66	179.56	10,095.11	-4,443.87	406.26	4,456.77	2.82	2.78	-0.47
14,550.00	90.44	178.67	10,094.21	-4,537.85	407.71	4,550.74	0.98	-0.23	-0.95
14,645.00	87.55	181.13	10,095.88	-4,632.82	407.88	4,645.63	3.99	-3.04	2.59
14,740.00	88.26	180.65	10,099.35	-4,727.74	406.40	4,740.42	0.90	0.75	-0.51
14,835.00	88.25	180.41	10,102.24	-4,822.69	405.52	4,835.25	0.25	-0.01	-0.25
14,930.00	87.46	180.67	10,105.80	-4,917.62	404.63	4,930.06	0.88	-0.83	0.27
15,024.00	87.85	180.32	10,109.65	-5,011.54	403.82	5,023.87	0.56	0.41	-0.37
15,047.55	88.05	180.42	10,110.49	-5,035.07	403.66	5,047.38	0.94	0.83	0.44
SL: 15047.55' MD, 88.05° Inc									
15,119.00	88.64	180.74	10,112.55	-5,106.49	402.94	5,118.70	0.94	0.83	0.44
15,214.00	88.19	178.59	10,115.18	-5,201.45	403.49	5,213.60	2.31	-0.47	-2.26
15,309.00	88.12	178.20	10,118.24	-5,296.36	406.15	5,308.55	0.42	-0.07	-0.41
15,403.00	89.93	178.82	10,119.84	-5,390.31	408.60	5,402.52	2.04	1.93	0.66
15,498.00	90.19	177.94	10,119.74	-5,485.27	411.28	5,497.51	0.97	0.27	-0.93
15,592.00	90.29	177.64	10,119.35	-5,579.20	414.91	5,591.51	0.34	0.11	-0.32
15,687.00	89.44	176.80	10,119.57	-5,674.09	419.52	5,686.50	1.26	-0.89	-0.88
15,781.00	91.12	177.41	10,119.11	-5,767.96	424.26	5,780.49	1.90	1.79	0.65
15,876.00	91.45	179.74	10,116.98	-5,862.90	426.62	5,875.45	2.48	0.35	2.45
15,970.00	91.48	176.90	10,114.58	-5,956.82	429.38	5,969.40	3.02	0.03	-3.02
16,065.00	91.56	187.83	10,112.05	-6,051.56	425.47	6,063.91	11.50	0.08	11.51
16,159.00	91.40	180.44	10,109.62	-6,145.22	418.70	6,157.21	7.86	-0.17	-7.86
16,254.00	90.63	187.77	10,107.93	-6,239.90	411.90	6,251.53	7.76	-0.81	7.72
16,349.00	90.48	182.19	10,107.01	-6,334.50	403.66	6,345.71	5.88	-0.16	-5.87
16,444.00	90.60	182.82	10,106.12	-6,429.40	399.50	6,440.37	0.68	0.13	0.66
16,539.00	90.31	180.23	10,105.36	-6,524.36	396.98	6,535.14	2.74	-0.31	-2.73



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Avogato 30_31 State Com 2H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3727.10usft (Nabors X30)
Site:	Avogato 30_31	MD Reference:	RKB @ 3727.10usft (Nabors X30)
Well:	Avogato 30_31 State Com 2H	North Reference:	Grid
Wellbore:	OH / 72588	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X30)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,634.00	90.44	178.83	10,104.74	-6,619.35	397.76	6,630.08	1.48	0.14	-1.47
16,728.00	90.74	177.55	10,103.77	-6,713.29	400.73	6,724.07	1.40	0.32	-1.36
16,823.00	90.02	176.92	10,103.14	-6,808.18	405.31	6,819.07	1.01	-0.76	-0.66
16,917.00	89.78	176.47	10,103.31	-6,902.02	410.73	6,913.05	0.54	-0.26	-0.48
17,012.00	90.11	176.20	10,103.40	-6,996.83	416.80	7,008.03	0.45	0.35	-0.28
17,107.00	90.08	178.09	10,103.24	-7,091.71	421.53	7,103.02	1.99	-0.03	1.99
17,202.00	89.80	178.31	10,103.34	-7,186.66	424.52	7,198.01	0.37	-0.29	0.23
17,297.00	89.83	178.46	10,103.65	-7,281.62	427.19	7,293.01	0.16	0.03	0.16
17,391.00	89.54	178.90	10,104.16	-7,375.60	429.36	7,386.99	0.56	-0.31	0.47
17,486.00	90.01	179.95	10,104.54	-7,470.59	430.31	7,481.94	1.21	0.49	1.11
17,581.00	89.72	181.13	10,104.76	-7,565.58	429.42	7,576.82	1.28	-0.31	1.24
17,675.00	89.76	182.34	10,105.19	-7,659.54	426.57	7,670.58	1.29	0.04	1.29
17,770.00	89.72	182.71	10,105.62	-7,754.44	422.38	7,765.23	0.39	-0.04	0.39
17,864.00	89.49	182.30	10,106.27	-7,848.35	418.28	7,858.89	0.50	-0.24	-0.44
17,959.00	89.65	180.70	10,106.98	-7,943.31	415.79	7,953.67	1.69	0.17	-1.68
18,054.00	89.75	178.84	10,107.48	-8,038.31	416.17	8,048.60	1.96	0.11	-1.96
18,148.00	89.86	177.33	10,107.80	-8,132.25	419.31	8,142.60	1.61	0.12	-1.61
18,243.00	90.34	176.67	10,107.63	-8,227.12	424.28	8,237.59	0.86	0.51	-0.69
18,338.00	89.72	174.85	10,107.58	-8,321.85	431.31	8,332.53	2.02	-0.65	-1.92
18,432.00	89.52	174.33	10,108.20	-8,415.43	440.17	8,426.40	0.59	-0.21	-0.55
18,527.00	89.87	176.42	10,108.71	-8,510.12	447.83	8,521.32	2.23	0.37	2.20
18,622.00	90.87	179.82	10,108.10	-8,605.05	450.95	8,616.30	3.73	1.05	3.58
18,716.00	89.41	182.27	10,107.87	-8,699.02	449.23	8,710.12	3.03	-1.55	2.61
18,811.00	89.23	181.95	10,108.99	-8,793.95	445.73	8,804.83	0.39	-0.19	-0.34
18,905.00	90.28	181.85	10,109.40	-8,887.90	442.62	8,898.57	1.12	1.12	-0.11
19,000.00	89.42	181.89	10,109.65	-8,982.85	439.52	8,993.31	0.91	-0.91	0.04
19,094.00	89.44	180.74	10,110.58	-9,076.82	437.36	9,087.11	1.22	0.02	-1.22
19,189.00	89.24	177.63	10,111.67	-9,171.79	438.71	9,182.06	3.28	-0.21	-3.27
19,283.00	89.42	177.05	10,112.77	-9,265.68	443.07	9,276.05	0.65	0.19	-0.62
19,378.00	89.68	176.82	10,113.52	-9,360.54	448.15	9,371.04	0.37	0.27	-0.24
19,473.00	89.82	178.51	10,113.93	-9,455.46	452.02	9,466.04	1.79	0.15	1.78
19,568.00	89.25	180.74	10,114.71	-9,550.45	452.64	9,560.97	2.42	-0.60	2.35
19,663.00	89.51	183.05	10,115.73	-9,645.38	449.50	9,655.70	2.45	0.27	2.43
19,758.00	89.71	181.83	10,116.38	-9,740.29	445.46	9,750.36	1.30	0.21	-1.28
19,852.00	88.87	181.77	10,117.55	-9,834.24	442.51	9,844.11	0.90	-0.89	-0.06
19,947.00	89.22	182.16	10,119.13	-9,929.17	439.25	9,938.83	0.55	0.37	0.41
20,042.00	89.04	181.83	10,120.57	-10,024.10	435.94	10,033.54	0.40	-0.19	-0.35
20,171.00	89.52	181.31	10,122.19	-10,153.04	432.41	10,162.23	0.55	0.37	-0.40
Final Phoenix MWD Survey									
20,234.63	89.52	181.31	10,122.73	-10,216.65	430.95	10,225.73	0.00	0.00	0.00
LTP: 20234.63' MD, 89.52° Inc									
20,296.00	89.52	181.31	10,123.24	-10,278.00	429.55	10,286.97	0.00	0.00	0.00
Projection to TD									



Phoenix
Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Avogato 30_31 State Com 2H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3727.10usft (Nabors X30)
Site:	Avogato 30_31	MD Reference:	RKB @ 3727.10usft (Nabors X30)
Well:	Avogato 30_31 State Com 2H	North Reference:	Grid
Wellbore:	OH / 72588	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X30)	Database:	USAEDMDB

Intent ☐ As Drilled ☒

API # 30-025-51340		
Operator Name: OXY USA INC.	Property Name: Avogato 30-31 State Com	Well Number 2H

Kick Off Point (KOP)

UL C	Section 30	Township 22S	Range 33E	Lot	Feet 66	From N/S North	Feet 2517	From E/W West	County Lea
Latitude 32.369904					Longitude -103.611641			NAD Nad83	

First Take Point (FTP)

UL B	Section 30	Township 22S	Range 33E	Lot	Feet 882	From N/S North	Feet 2580	From E/W East	County Lea
Latitude 32.367662					Longitude -103.611408			NAD Nad83	

Last Take Point (LTP)

UL O	Section 31	Township 22S	Range 33E	Lot	Feet 178	From N/S South	Feet 2548	From E/W East	County Lea
Latitude 32.341553					Longitude -103.611277			NAD Nad83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ YesIs this well an infill well? ☐ No

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

Released to Imaging: 4/25/2024 9:21:51 AM

Released to Imaging: 4/25/2024 9:21:51 AM

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 296759

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 296759
	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.

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

CONDITIONS

Action 296759

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 296759
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	4/25/2024