

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

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710		² OGRID Number: 16696
		³ Reason for Filing Code/ Effective Date - NW- 11/10/2022
⁴ API Number 30-015-47318	⁵ Pool Name PURPLE SAGE WOLFCAMP <i>*NSL-8405</i>	⁶ Pool Code 98220
⁷ Property Code: 326150	⁸ Property Name: Arkenstone 31 Federal	⁹ Well Number: 172H

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
L 1	31	23S	31E		130	NORTH	1230	WEST	EDDY

¹¹ Bottom Hole Location FTP: 140' FNL 2534' FEL LTP: 451' FSL 2515' FEL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	6	24S	31E		48	SOUTH	2513	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code : P		¹⁴ Gas Connection Date: 11/13/22		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	CENTURION PIPELINE L.P.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date 07/10/22	²² Ready Date 11/10/22	²³ TD 22179'M 11417'V	²⁴ PBDT 22137'M 11418'V	²⁵ Perforations 16952-21776'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17-1/2"		13-3/8"		424'	545
12-1/4"		9-5/8"		4198'	1093
8-3/4"		7-5/8"		10907'	811
6-3/4"		5-1/2"		22159'	705

V. Well Test Data 2-3/8" TBG 11621'

³¹ Date New Oil 11/13/22	³² Gas Delivery Date 11/13/22	³³ Test Date 12/6/22	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1212
³⁷ Choke Size 108/128	³⁸ Oil 1948	³⁹ Water 4327	⁴⁰ Gas 4087		⁴¹ Test Method F

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

Signature: 

Printed name:
JANA MENDIOLA

Title:
SR. REGULATORY ANALYST

E-mail Address:
Janalyn_mendiola@oxy.com

Date: 03/21/2023 Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by:

PATRICIA MARTINEZ

Title:

PETROLEUM SPECIALIST

Approval Date:

6/2/2023

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		³ Reason for Filing Code/ Effective Date - NW- 11/10/2022
⁴ API Number 30-015-47318	⁵ Pool Name WC-015 G-08 S233135D; WOLFCAMP <i>*NSL-8405</i>	⁶ Pool Code 98236
⁷ Property Code: 326150	⁸ Property Name: Arkenstone 31 Federal	⁹ Well Number: 172H

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Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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Signature: 

Printed name:
JANA MENDIOLA

Title:
SR. REGULATORY ANALYST

E-mail Address:
Janalyn_mendiola@oxy.com

Date: 03/21/2023 Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by:

PATRICIA MARTINEZ

Title: *PETROLEUM SPECIALIST*

Approval Date: *6/2/2023*

RKB @ 3375.50usft (H&P 479)

Ground Level: 3350.50

0

First Phoenix MWD Survey

Begin 0.50°/100' Drop

800

SALADO

Begin Vertical Hold

1200

1600

2000

2400

2800

CASTILE

3200

3600

4000

DELAWARE

BELL CANYON

4400

KOP, Begin 1.00°/100' Build

4800

CHERRY CANYON

5200

Hold 16.02° Inc at 74.11° Azm

5600

BRUSHY CANYON

6000

6400

6800

7200

7600

8000

BONE SPRING

8400

8800

BONE SPRING 1ST

9200

Second Bone Spring Limestone

9600

Vertical Section at 171.08° (400 usft/in)

-1200 -800 -400 0 400 800

11600

11700

11800

11900

12000

12100

12200

12300

12400

12500

12600

12700

12800

12900

13000

13100

13200

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OXY USA INC.

Eddy County, NM (NAD83-NME)

Arkenstone 31

Arkenstone 31 Federal 172H

OH / 70338

Design: Surveys (H&P 479)

Standard Survey Report

05 October, 2022





Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Arkenstone 31 Federal 172H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3375.50usft (H&P 479)
Site:	Arkenstone 31	MD Reference:	RKB @ 3375.50usft (H&P 479)
Well:	Arkenstone 31 Federal 172H	North Reference:	Grid
Wellbore:	OH / 70338	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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

Site	Arkenstone 31		
Site Position:		Northing:	461,588.60 usft
From:	Map	Easting:	702,735.30 usft
Position Uncertainty:	1.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 16' 4.448728 N
		Longitude:	103° 48' 40.155566 W
		Grid Convergence:	0.279 °

Well	Arkenstone 31 Federal 172H		
Well Position	+N/-S	0.00 usft	Northing: 461,542.30 usft
	+E/-W	0.00 usft	Easting: 699,487.70 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 16' 4.145359 N
		Longitude:	103° 49' 17.982515 W
		Ground Level:	3,350.50 usft

Wellbore	OH / 70338		
Magnetics	Model Name	Sample Date	Declination (°)
	IFR	8/29/2022	6.747
			Dip Angle (°) 59.907
			Field Strength (nT) 47,623.90000000

Design	Surveys (H&P 479)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 171.08

Survey Program	Date	10/5/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
25.00	396.28	Gyrodata Gyro Surveys - Adj Surface (OH	GYD_G003_GC+DROP+I	Gyrodata Stationary Tool drop on BHA on open h
531.00	22,179.00	Phoenix MWD Surveys - SQC R6 (OH / 70	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
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00
97.38	0.13	238.42	97.38	-0.04	-0.07	0.03	0.18	0.18	0.00
125.14	0.26	261.61	125.14	-0.07	-0.16	0.04	0.54	0.47	83.54
209.66	0.24	251.86	209.66	-0.15	-0.52	0.07	0.06	-0.02	-11.54
301.91	0.20	253.76	301.91	-0.26	-0.86	0.12	0.04	-0.04	2.06
396.28	0.31	248.90	396.28	-0.39	-1.25	0.20	0.12	0.12	-5.15
Tie In									
531.00	0.34	258.83	531.00	-0.60	-1.98	0.29	0.05	0.02	7.37



Phoenix Survey Report



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Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3375.50usft (H&P 479)
Site:	Arkenstone 31	MD Reference:	RKB @ 3375.50usft (H&P 479)
Well:	Arkenstone 31 Federal 172H	North Reference:	Grid
Wellbore:	OH / 70338	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
First Phoenix MWD Survey									
624.00	0.29	226.15	623.99	-0.82	-2.42	0.43	0.20	-0.05	-35.14
702.00	0.45	234.14	701.99	-1.14	-2.81	0.69	0.22	0.21	10.24
796.00	0.31	271.08	795.99	-1.35	-3.37	0.81	0.29	-0.15	39.30
890.00	0.31	231.96	889.99	-1.50	-3.82	0.89	0.22	0.00	-41.62
983.00	0.19	208.86	982.99	-1.79	-4.10	1.13	0.17	-0.13	-24.84
1,077.00	0.15	282.96	1,076.99	-1.90	-4.29	1.21	0.22	-0.04	78.83
1,264.00	0.19	185.15	1,263.99	-2.15	-4.56	1.42	0.14	0.02	-52.30
1,358.00	0.17	283.35	1,357.99	-2.28	-4.71	1.52	0.29	-0.02	104.47
1,452.00	0.24	246.28	1,451.99	-2.32	-5.02	1.52	0.16	0.07	-39.44
1,547.00	0.13	136.03	1,546.99	-2.48	-5.13	1.65	0.33	-0.12	-116.05
1,642.00	0.10	91.31	1,641.99	-2.56	-4.97	1.76	0.10	-0.03	-47.07
1,736.00	0.20	158.13	1,735.99	-2.71	-4.83	1.93	0.20	0.11	71.09
1,831.00	0.17	214.92	1,830.99	-2.98	-4.85	2.20	0.19	-0.03	59.78
1,926.00	0.22	124.67	1,925.98	-3.20	-4.78	2.42	0.29	0.05	-95.00
2,020.00	0.11	206.72	2,019.98	-3.39	-4.67	2.62	0.25	-0.12	87.29
2,115.00	0.14	160.93	2,114.98	-3.58	-4.67	2.81	0.11	0.03	-48.20
2,210.00	0.21	36.48	2,209.98	-3.55	-4.53	2.80	0.33	0.07	-131.00
2,304.00	0.07	126.24	2,303.98	-3.44	-4.38	2.72	0.24	-0.15	95.49
2,399.00	0.17	8.17	2,398.98	-3.34	-4.32	2.63	0.22	0.11	-124.28
2,493.00	0.27	49.21	2,492.98	-3.05	-4.13	2.38	0.19	0.11	43.66
2,587.00	0.15	25.14	2,586.98	-2.80	-3.91	2.16	0.16	-0.13	-25.61
2,682.00	0.23	357.18	2,681.98	-2.49	-3.87	1.87	0.13	0.08	-29.43
2,777.00	0.38	24.55	2,776.98	-2.02	-3.74	1.41	0.22	0.16	28.81
2,871.00	0.23	357.91	2,870.98	-1.55	-3.62	0.97	0.22	-0.16	-28.34
2,966.00	0.21	350.46	2,965.98	-1.18	-3.66	0.60	0.04	-0.02	-7.84
3,060.00	0.43	352.70	3,059.98	-0.66	-3.73	0.08	0.23	0.23	2.38
3,155.00	0.37	321.51	3,154.97	-0.07	-3.97	-0.55	0.23	-0.06	-32.83
3,250.00	0.29	335.17	3,249.97	0.39	-4.26	-1.04	0.12	-0.08	14.38
3,344.00	0.23	151.30	3,343.97	0.44	-4.27	-1.10	0.55	-0.06	187.37
3,439.00	0.39	122.13	3,438.97	0.10	-3.90	-0.70	0.23	0.17	-30.71
3,534.00	0.75	132.64	3,533.97	-0.49	-3.17	0.00	0.39	0.38	11.06
3,628.00	0.65	174.98	3,627.96	-1.44	-2.67	1.01	0.55	-0.11	45.04
3,723.00	0.88	177.12	3,722.95	-2.71	-2.59	2.27	0.24	0.24	2.25
3,818.00	0.76	194.57	3,817.94	-4.05	-2.71	3.58	0.29	-0.13	18.37
3,912.00	1.04	201.26	3,911.93	-5.44	-3.18	4.89	0.32	0.30	7.12
4,007.00	0.93	203.21	4,006.92	-6.96	-3.79	6.28	0.12	-0.12	2.05
4,102.00	1.03	215.59	4,101.90	-8.36	-4.59	7.55	0.25	0.11	13.03
4,144.00	1.02	214.36	4,143.90	-8.97	-5.02	8.09	0.06	-0.02	-2.93
4,267.00	0.72	204.04	4,266.88	-10.58	-5.96	9.53	0.27	-0.24	-8.39
4,361.00	0.76	201.34	4,360.87	-11.70	-6.42	10.57	0.06	0.04	-2.87
4,456.00	0.49	211.86	4,455.87	-12.64	-6.87	11.42	0.31	-0.28	11.07
4,551.00	0.05	172.39	4,550.87	-13.02	-7.08	11.77	0.48	-0.46	-41.55

Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Arkenstone 31 Federal 172H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3375.50usft (H&P 479)
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Well:	Arkenstone 31 Federal 172H	North Reference:	Grid
Wellbore:	OH / 70338	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
4,645.00	0.07	177.01	4,644.87	-13.12	-7.07	11.87	0.02	0.02	4.91
4,740.00	0.06	92.26	4,739.87	-13.18	-7.02	11.93	0.09	-0.01	-89.21
4,835.00	1.08	85.55	4,834.86	-13.11	-6.07	12.01	1.07	1.07	-7.06
4,929.00	3.43	93.64	4,928.78	-13.22	-2.38	12.69	2.52	2.50	8.61
5,024.00	5.62	95.76	5,023.48	-13.87	5.08	14.49	2.31	2.31	2.23
5,119.00	7.33	95.17	5,117.87	-14.88	15.75	17.14	1.80	1.80	-0.62
5,213.00	8.25	90.28	5,211.00	-15.46	28.46	19.68	1.21	0.98	-5.20
5,308.00	7.99	74.90	5,305.06	-13.77	41.65	20.06	2.30	-0.27	-16.19
5,403.00	9.41	49.04	5,399.00	-6.96	53.90	15.23	4.34	1.49	-27.22
5,497.00	10.22	29.01	5,491.65	5.38	63.75	4.57	3.71	0.86	-21.31
5,592.00	10.73	28.23	5,585.07	20.54	72.02	-9.12	0.56	0.54	-0.82
5,686.00	12.15	29.91	5,677.20	36.83	81.09	-23.81	1.55	1.51	1.79
5,781.00	11.33	38.20	5,770.22	52.83	91.85	-37.94	1.97	-0.86	8.73
5,876.00	10.64	48.57	5,863.49	65.97	104.20	-49.01	2.20	-0.73	10.92
5,971.00	10.57	61.23	5,956.88	75.96	118.41	-56.68	2.45	-0.07	13.33
6,066.00	10.50	72.13	6,050.28	82.81	134.29	-60.99	2.10	-0.07	11.47
6,160.00	11.12	82.26	6,142.62	86.66	151.43	-62.13	2.12	0.66	10.78
6,255.00	12.08	90.39	6,235.69	87.83	170.45	-60.33	1.99	1.01	8.56
6,350.00	12.73	90.73	6,328.47	87.63	190.85	-56.97	0.69	0.68	0.36
6,444.00	12.57	85.07	6,420.19	88.38	211.40	-54.52	1.33	-0.17	-6.02
6,539.00	12.86	82.11	6,512.86	90.72	232.17	-53.61	0.75	0.31	-3.12
6,634.00	12.56	80.44	6,605.54	93.88	252.83	-53.54	0.50	-0.32	-1.76
6,729.00	14.36	85.80	6,697.93	96.46	274.77	-52.68	2.30	1.89	5.64
6,823.00	15.50	89.59	6,788.75	97.40	298.95	-49.86	1.60	1.21	4.03
6,918.00	15.50	88.82	6,880.30	97.76	324.34	-46.28	0.22	0.00	-0.81
7,013.00	15.59	85.28	6,971.83	99.07	349.75	-43.63	1.00	0.09	-3.73
7,107.00	15.69	80.51	7,062.35	102.20	374.88	-42.83	1.37	0.11	-5.07
7,202.00	15.89	75.94	7,153.77	107.48	400.16	-44.12	1.33	0.21	-4.81
7,297.00	16.29	73.80	7,245.05	114.36	425.57	-46.98	0.75	0.42	-2.25
7,391.00	16.85	73.28	7,335.14	121.96	451.28	-50.50	0.62	0.60	-0.55
7,486.00	16.34	73.40	7,426.19	129.73	477.28	-54.15	0.54	-0.54	0.13
7,580.00	16.89	73.85	7,516.26	137.31	503.06	-57.63	0.60	0.59	0.48
7,675.00	16.87	73.45	7,607.17	145.08	529.53	-61.20	0.12	-0.02	-0.42
7,770.00	16.74	73.95	7,698.11	152.79	555.90	-64.73	0.20	-0.14	0.53
7,865.00	16.58	73.80	7,789.12	160.35	582.06	-68.14	0.17	-0.17	-0.16
7,959.00	16.51	73.97	7,879.23	167.78	607.78	-71.50	0.09	-0.07	0.18
8,054.00	16.52	73.25	7,970.31	175.40	633.68	-75.01	0.22	0.01	-0.76
8,149.00	15.66	71.40	8,061.59	183.38	658.77	-79.00	1.05	-0.91	-1.95
8,243.00	15.78	70.65	8,152.07	191.66	682.85	-83.45	0.25	0.13	-0.80
8,338.00	16.36	75.90	8,243.37	199.20	708.02	-86.99	1.65	0.61	5.53
8,433.00	16.76	78.00	8,334.43	205.31	734.39	-88.94	0.76	0.42	2.21
8,527.00	16.93	78.32	8,424.39	210.90	761.05	-90.32	0.21	0.18	0.34
8,621.00	16.07	79.52	8,514.52	216.04	787.25	-91.34	0.98	-0.91	1.28
8,716.00	15.57	78.99	8,605.92	220.86	812.69	-92.16	0.55	-0.53	-0.56



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Arkenstone 31 Federal 172H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3375.50usft (H&P 479)
Site:	Arkenstone 31	MD Reference:	RKB @ 3375.50usft (H&P 479)
Well:	Arkenstone 31 Federal 172H	North Reference:	Grid
Wellbore:	OH / 70338	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
8,811.00	15.45	78.81	8,697.46	225.75	837.62	-93.12	0.14	-0.13	-0.19
8,905.00	16.56	78.93	8,787.82	230.76	863.05	-94.12	1.18	1.18	0.13
9,000.00	17.07	74.08	8,878.76	237.18	889.75	-96.33	1.57	0.54	-5.11
9,094.00	16.22	73.29	8,968.82	244.74	915.59	-99.79	0.94	-0.90	-0.84
9,189.00	16.64	74.45	9,059.94	252.20	941.40	-103.16	0.56	0.44	1.22
9,284.00	16.58	75.19	9,150.98	259.31	967.61	-106.12	0.23	-0.06	0.78
9,378.00	16.60	73.80	9,241.07	266.49	993.47	-109.19	0.42	0.02	-1.48
9,473.00	16.45	74.00	9,332.14	273.98	1,019.43	-112.57	0.17	-0.16	0.21
9,568.00	16.42	73.75	9,423.26	281.44	1,045.25	-115.94	0.08	-0.03	-0.26
9,662.00	16.18	73.89	9,513.48	288.80	1,070.59	-119.28	0.26	-0.26	0.15
9,757.00	14.77	74.63	9,605.04	295.68	1,094.99	-122.29	1.50	-1.48	0.78
9,852.00	16.78	74.54	9,696.45	302.55	1,119.88	-125.21	2.12	2.12	-0.09
9,947.00	16.44	74.36	9,787.49	309.82	1,146.04	-128.35	0.36	-0.36	-0.19
10,041.00	16.58	73.77	9,877.61	317.16	1,171.73	-131.61	0.23	0.15	-0.63
10,136.00	15.38	74.37	9,968.94	324.34	1,196.88	-134.81	1.28	-1.26	0.63
10,230.00	15.93	73.59	10,059.45	331.34	1,221.26	-137.94	0.63	0.59	-0.83
10,325.00	15.34	73.43	10,150.94	338.61	1,245.81	-141.32	0.62	-0.62	-0.17
10,420.00	15.81	73.23	10,242.45	345.93	1,270.24	-144.75	0.50	0.49	-0.21
10,514.00	15.11	73.76	10,333.05	353.05	1,294.26	-148.06	0.76	-0.74	0.56
10,609.00	14.38	75.28	10,424.92	359.51	1,317.56	-150.83	0.87	-0.77	1.60
10,703.00	15.15	72.82	10,515.82	366.10	1,340.59	-153.78	1.06	0.82	-2.62
10,798.00	15.55	73.47	10,607.43	373.39	1,364.66	-157.25	0.46	0.42	0.68
10,820.00	15.58	73.05	10,628.62	375.09	1,370.31	-158.05	0.53	0.14	-1.91
10,922.00	15.74	74.17	10,726.83	382.86	1,396.72	-161.63	0.34	0.16	1.10
11,017.00	13.77	75.17	10,818.70	389.27	1,420.05	-164.34	2.09	-2.07	1.05
11,111.00	18.99	110.05	10,909.06	386.88	1,445.31	-158.07	11.60	5.55	37.11
11,206.00	29.59	125.83	10,995.62	367.78	1,478.97	-133.97	12.99	11.16	16.61
11,301.00	34.68	145.86	11,076.26	331.55	1,513.28	-92.86	12.36	5.36	21.08
11,396.00	36.44	165.67	11,153.80	281.68	1,535.51	-40.14	12.22	1.85	20.85
11,490.00	39.88	171.42	11,227.73	224.80	1,546.92	17.82	5.26	3.66	6.12
11,585.00	48.60	171.75	11,295.72	159.29	1,556.59	84.03	9.18	9.18	0.35
11,612.08	51.82	171.52	11,313.05	138.71	1,559.62	104.84	11.92	11.90	-0.86
SL: 11612.08' MD, 51.82° Inc, 171.52° Azm									
11,680.00	59.91	171.01	11,351.13	83.19	1,568.17	161.01	11.92	11.91	-0.75
11,731.42	61.61	172.83	11,376.25	38.77	1,574.47	205.87	4.52	3.30	3.55
FTP: 11731.42' MD, 61.61° Inc, 172.83° Azm									
11,774.00	63.03	174.30	11,396.03	1.30	1,578.69	243.54	4.52	3.34	3.44
11,869.00	67.25	175.02	11,435.96	-84.50	1,586.70	329.54	4.49	4.44	0.76
11,963.00	83.52	177.37	11,459.60	-174.95	1,592.64	419.82	17.48	17.31	2.50
12,058.00	89.42	177.20	11,465.45	-269.62	1,597.13	514.04	6.21	6.21	-0.18
12,197.00	89.03	177.98	11,467.33	-408.49	1,602.98	652.13	0.63	-0.28	0.56
12,292.00	89.29	177.46	11,468.72	-503.40	1,606.76	746.49	0.61	0.27	-0.55
12,386.00	89.43	177.73	11,469.77	-597.31	1,610.70	839.87	0.32	0.15	0.29



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Arkenstone 31 Federal 172H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3375.50usft (H&P 479)
Site:	Arkenstone 31	MD Reference:	RKB @ 3375.50usft (H&P 479)
Well:	Arkenstone 31 Federal 172H	North Reference:	Grid
Wellbore:	OH / 70338	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
12,481.00	89.87	178.75	11,470.35	-692.26	1,613.62	934.13	1.17	0.46	1.07
12,576.00	90.20	180.01	11,470.29	-787.26	1,614.65	1,028.13	1.37	0.35	1.33
12,670.00	90.26	181.11	11,469.92	-881.25	1,613.73	1,120.84	1.17	0.06	1.17
12,764.00	90.37	181.22	11,469.40	-975.23	1,611.82	1,213.39	0.17	0.12	0.12
12,858.00	89.53	180.47	11,469.48	-1,069.22	1,610.43	1,306.03	1.20	-0.89	-0.80
12,953.00	90.07	179.61	11,469.81	-1,164.21	1,610.36	1,399.86	1.07	0.57	-0.91
13,048.00	91.59	181.36	11,468.44	-1,259.19	1,609.56	1,493.57	2.44	1.60	1.84
13,143.00	91.04	181.82	11,466.26	-1,354.13	1,606.93	1,586.95	0.75	-0.58	0.48
13,237.00	90.81	182.87	11,464.74	-1,448.04	1,603.08	1,679.13	1.14	-0.24	1.12
13,332.00	90.66	183.52	11,463.52	-1,542.88	1,597.79	1,772.00	0.70	-0.16	0.68
13,427.00	90.76	183.52	11,462.34	-1,637.70	1,591.95	1,864.76	0.11	0.11	0.00
13,522.00	90.64	183.88	11,461.18	-1,732.49	1,585.82	1,957.46	0.40	-0.13	0.38
13,617.00	90.82	184.48	11,459.97	-1,827.23	1,578.90	2,049.98	0.66	0.19	0.63
13,711.00	90.85	184.54	11,458.60	-1,920.93	1,571.51	2,141.40	0.07	0.03	0.06
13,806.00	90.82	182.47	11,457.22	-2,015.74	1,565.70	2,234.16	2.18	-0.03	-2.18
13,901.00	90.30	180.06	11,456.29	-2,110.70	1,563.60	2,327.65	2.60	-0.55	-2.54
13,996.00	90.33	179.56	11,455.77	-2,205.70	1,563.92	2,421.55	0.53	0.03	-0.53
14,090.00	89.39	180.16	11,456.00	-2,299.70	1,564.15	2,514.44	1.19	-1.00	0.64
14,185.00	89.88	179.85	11,456.60	-2,394.70	1,564.14	2,608.29	0.61	0.52	-0.33
14,280.00	89.89	177.42	11,456.79	-2,489.66	1,566.40	2,702.46	2.56	0.01	-2.56
14,375.00	90.16	176.61	11,456.75	-2,584.53	1,571.35	2,796.95	0.90	0.28	-0.85
14,469.00	90.10	178.38	11,456.54	-2,678.44	1,575.46	2,890.36	1.88	-0.06	1.88
14,564.00	89.71	177.72	11,456.69	-2,773.38	1,578.69	2,984.65	0.81	-0.41	-0.69
14,659.00	89.85	177.79	11,457.06	-2,868.31	1,582.41	3,079.01	0.16	0.15	0.07
14,754.00	90.42	178.34	11,456.84	-2,963.25	1,585.62	3,173.30	0.83	0.60	0.58
14,848.00	90.71	180.13	11,455.91	-3,057.24	1,586.88	3,266.34	1.93	0.31	1.90
14,943.00	89.87	178.74	11,455.43	-3,152.23	1,587.81	3,360.33	1.71	-0.88	-1.46
15,038.00	89.76	178.01	11,455.73	-3,247.19	1,590.51	3,454.56	0.78	-0.12	-0.77
15,133.00	89.75	177.89	11,456.14	-3,342.13	1,593.90	3,548.88	0.13	-0.01	-0.13
15,228.00	90.17	178.14	11,456.21	-3,437.07	1,597.20	3,643.18	0.51	0.44	0.26
15,323.00	89.87	178.02	11,456.17	-3,532.02	1,600.38	3,737.47	0.34	-0.32	-0.13
15,417.00	89.76	177.54	11,456.48	-3,625.94	1,604.02	3,830.83	0.52	-0.12	-0.51
15,512.00	89.85	177.50	11,456.80	-3,720.85	1,608.13	3,925.23	0.10	0.09	-0.04
15,607.00	89.95	178.44	11,456.97	-3,815.79	1,611.50	4,019.54	1.00	0.11	0.99
15,701.00	89.82	179.53	11,457.16	-3,909.78	1,613.16	4,112.65	1.17	-0.14	1.16
15,796.00	90.21	179.85	11,457.13	-4,004.78	1,613.67	4,206.57	0.53	0.41	0.34
15,890.00	89.58	180.16	11,457.30	-4,098.77	1,613.67	4,299.43	0.75	-0.67	0.33
15,985.00	89.64	180.42	11,457.95	-4,193.77	1,613.19	4,393.21	0.28	0.06	0.27
16,080.00	89.49	180.03	11,458.67	-4,288.77	1,612.81	4,487.00	0.44	-0.16	-0.41
16,174.00	89.67	179.73	11,459.36	-4,382.76	1,613.01	4,579.89	0.37	0.19	-0.32
16,269.00	89.59	180.08	11,459.97	-4,477.76	1,613.17	4,673.76	0.38	-0.08	0.37
16,364.00	89.27	179.33	11,460.92	-4,572.76	1,613.66	4,767.68	0.86	-0.34	-0.79
16,458.00	89.70	179.94	11,461.76	-4,666.75	1,614.25	4,860.63	0.79	0.46	0.65
16,553.00	90.28	180.63	11,461.78	-4,761.75	1,613.78	4,954.40	0.95	0.61	0.73



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Arkenstone 31 Federal 172H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3375.50usft (H&P 479)
Site:	Arkenstone 31	MD Reference:	RKB @ 3375.50usft (H&P 479)
Well:	Arkenstone 31 Federal 172H	North Reference:	Grid
Wellbore:	OH / 70338	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
16,648.00	89.17	180.20	11,462.24	-4,856.74	1,613.09	5,048.14	1.25	-1.17	-0.45
16,742.00	90.63	180.02	11,462.40	-4,950.74	1,612.91	5,140.98	1.56	1.55	-0.19
16,837.00	90.70	179.75	11,461.30	-5,045.73	1,613.10	5,234.85	0.29	0.07	-0.28
16,931.00	90.88	180.76	11,460.00	-5,139.72	1,612.69	5,327.64	1.09	0.19	1.07
16,936.20	90.89	180.75	11,459.92	-5,144.92	1,612.62	5,332.76	0.25	0.17	-0.19
SL: 16936.20' MD, 90.89° Inc, 180.75° Azm									
17,026.00	91.04	180.58	11,458.41	-5,234.70	1,611.58	5,421.29	0.25	0.17	-0.19
17,120.00	90.57	181.83	11,457.09	-5,328.67	1,609.60	5,513.82	1.42	-0.50	1.33
17,215.00	91.08	180.56	11,455.72	-5,423.64	1,607.62	5,607.33	1.44	0.54	-1.34
17,310.00	89.70	180.50	11,455.07	-5,518.63	1,606.74	5,701.04	1.45	-1.45	-0.06
17,404.00	89.72	180.39	11,455.55	-5,612.62	1,606.01	5,793.78	0.12	0.02	-0.12
17,499.00	89.41	180.98	11,456.27	-5,707.61	1,604.87	5,887.45	0.70	-0.33	0.62
17,594.00	89.44	180.49	11,457.22	-5,802.60	1,603.65	5,981.10	0.52	0.03	-0.52
17,689.00	90.95	180.83	11,456.90	-5,897.59	1,602.56	6,074.77	1.63	1.59	0.36
17,783.00	90.76	180.31	11,455.50	-5,991.58	1,601.63	6,167.47	0.59	-0.20	-0.55
17,878.00	91.03	181.10	11,454.01	-6,086.56	1,600.46	6,261.12	0.88	0.28	0.83
17,973.00	91.88	180.65	11,451.60	-6,181.51	1,599.01	6,354.70	1.01	0.89	-0.47
18,067.00	91.67	181.91	11,448.69	-6,275.44	1,596.91	6,447.17	1.36	-0.22	1.34
18,162.00	91.31	182.27	11,446.22	-6,370.35	1,593.44	6,540.39	0.54	-0.38	0.38
18,256.00	91.40	181.50	11,444.00	-6,464.27	1,590.35	6,632.70	0.82	0.10	-0.82
18,351.00	91.47	180.90	11,441.62	-6,559.22	1,588.36	6,726.19	0.64	0.07	-0.63
18,446.00	90.53	181.76	11,439.96	-6,654.18	1,586.16	6,819.65	1.34	-0.99	0.91
18,540.00	91.00	180.36	11,438.71	-6,748.15	1,584.42	6,912.22	1.57	0.50	-1.49
18,635.00	89.95	180.12	11,437.92	-6,843.14	1,584.02	7,006.00	1.13	-1.11	-0.25
18,730.00	90.93	181.10	11,437.19	-6,938.13	1,583.01	7,099.69	1.46	1.03	1.03
18,824.00	90.90	181.10	11,435.69	-7,032.10	1,581.21	7,192.24	0.03	-0.03	0.00
18,919.00	90.74	181.63	11,434.33	-7,127.07	1,578.94	7,285.71	0.58	-0.17	0.56
19,013.00	91.05	180.63	11,432.86	-7,221.04	1,577.09	7,378.25	1.11	0.33	-1.06
19,107.00	89.46	179.10	11,432.44	-7,315.03	1,577.31	7,471.14	2.35	-1.69	-1.63
19,202.00	90.80	179.11	11,432.23	-7,410.01	1,578.80	7,565.21	1.41	1.41	0.01
19,296.00	90.69	178.63	11,431.00	-7,503.99	1,580.65	7,658.33	0.52	-0.12	-0.51
19,391.00	91.53	179.68	11,429.16	-7,598.96	1,582.05	7,752.37	1.42	0.88	1.11
19,485.00	91.16	179.49	11,426.96	-7,692.93	1,582.73	7,845.31	0.44	-0.39	-0.20
19,580.00	89.98	178.90	11,426.01	-7,787.91	1,584.07	7,939.35	1.39	-1.24	-0.62
19,675.00	90.46	179.66	11,425.65	-7,882.90	1,585.26	8,033.38	0.95	0.51	0.80
19,769.00	88.65	178.01	11,426.38	-7,976.87	1,587.17	8,126.51	2.61	-1.93	-1.76
19,864.00	89.68	177.31	11,427.76	-8,071.78	1,591.05	8,220.87	1.31	1.08	-0.74
19,959.00	89.86	178.01	11,428.14	-8,166.70	1,594.93	8,315.24	0.76	0.19	0.74
20,053.00	89.58	177.99	11,428.60	-8,260.64	1,598.21	8,408.56	0.30	-0.30	-0.02
20,148.00	89.59	178.21	11,429.29	-8,355.59	1,601.36	8,502.84	0.23	0.01	0.23
20,242.00	89.50	177.57	11,430.04	-8,449.52	1,604.82	8,596.17	0.69	-0.10	-0.68
20,337.00	89.88	177.81	11,430.55	-8,544.44	1,608.65	8,690.54	0.47	0.40	0.25
20,431.00	89.18	177.63	11,431.32	-8,638.37	1,612.39	8,783.91	0.77	-0.74	-0.19



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Arkenstone 31 Federal 172H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3375.50usft (H&P 479)
Site:	Arkenstone 31	MD Reference:	RKB @ 3375.50usft (H&P 479)
Well:	Arkenstone 31 Federal 172H	North Reference:	Grid
Wellbore:	OH / 70338	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)	
20,525.00	90.20	177.87	11,431.83	-8,732.29	1,616.08	8,877.27	1.11	1.09	0.26	
20,620.00	90.58	178.01	11,431.18	-8,827.23	1,619.49	8,971.58	0.43	0.40	0.15	
20,715.00	90.30	178.12	11,430.45	-8,922.17	1,622.70	9,065.88	0.32	-0.29	0.12	
20,809.00	90.79	178.03	11,429.56	-9,016.11	1,625.86	9,159.17	0.53	0.52	-0.10	
20,904.00	90.69	178.07	11,428.33	-9,111.05	1,629.09	9,253.46	0.11	-0.11	0.04	
20,998.00	90.11	177.60	11,427.68	-9,204.98	1,632.64	9,346.81	0.79	-0.62	-0.50	
21,092.00	90.41	180.95	11,427.25	-9,298.96	1,633.83	9,439.83	3.58	0.32	3.56	
21,187.00	90.82	180.21	11,426.23	-9,393.95	1,632.87	9,533.52	0.89	0.43	-0.78	
21,282.00	90.84	180.07	11,424.85	-9,488.93	1,632.64	9,627.33	0.15	0.02	-0.15	
21,377.00	90.48	177.93	11,423.76	-9,583.91	1,634.29	9,721.41	2.28	-0.38	-2.25	
21,471.00	89.55	179.84	11,423.74	-9,677.89	1,636.12	9,814.53	2.26	-0.99	2.03	
21,566.00	90.68	179.85	11,423.54	-9,772.88	1,636.38	9,908.42	1.19	1.19	0.01	
21,661.00	89.78	179.07	11,423.16	-9,867.88	1,637.28	10,002.40	1.25	-0.95	-0.82	
21,755.00	90.76	179.71	11,422.72	-9,961.87	1,638.28	10,095.41	1.25	1.04	0.68	
21,850.00	89.40	179.12	11,422.59	-10,056.86	1,639.25	10,189.41	1.56	-1.43	-0.62	
21,944.00	90.81	178.82	11,422.42	-10,150.84	1,640.94	10,282.51	1.53	1.50	-0.32	
22,039.00	91.93	180.60	11,420.14	-10,245.81	1,641.42	10,376.41	2.21	1.18	1.87	
22,127.23	90.81	179.87	11,418.03	-10,334.01	1,641.05	10,463.48	1.51	-1.27	-0.82	
LTP: 22127.23' MD, 90.81° Inc, 179.87° Azm										
22,129.00	90.79	179.86	11,418.01	-10,335.78	1,641.06	10,465.23	1.51	-1.27	-0.82	
Final Phoenix MWD Survey										
22,179.00	90.79	179.86	11,417.32	-10,385.78	1,641.18	10,514.64	0.00	0.00	0.00	
Projection to TD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
396.28	396.28	-0.39	-1.25	Tie In	
531.00	531.00	-0.60	-1.98	First Phoenix MWD Survey	
11,612.08	11,313.05	138.71	1,559.62	SL: 11612.08' MD, 51.82° Inc, 171.52° Azm	
11,731.42	11,376.25	38.77	1,574.47	FTP: 11731.42' MD, 61.61° Inc, 172.83° Azm	
16,936.20	11,459.92	-5,144.92	1,612.62	SL: 16936.20' MD, 90.89° Inc, 180.75° Azm	
22,127.23	11,418.03	-10,334.01	1,641.05	LTP: 22127.23' MD, 90.81° Inc, 179.87° Azm	
22,129.00	11,418.01	-10,335.78	1,641.06	Final Phoenix MWD Survey	
22,179.00	11,417.32	-10,385.78	1,641.18	Projection to TD	

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

Well Name: ARKENSTONE 31 FEDERAL	Well Location: T23S / R31E / SEC 31 / NWNW / 32.267818 / -103.821662	County or Parish/State: EDDY / NM
Well Number: 172H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0546732A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547318	Well Status: Drilling Well	Operator: OXY USA INCORPORATED

Subsequent Report

Sundry ID: 2714363

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 02/06/2023	Time Sundry Submitted: 08:48
Date Operation Actually Began: 10/15/2022	

Actual Procedure: RUPU 10/15/22, RIH & clean out to PBTD @ 22137', pressure test casing to 6000# for 30 min, good test. RIH & perf @ 11777-21776' Total 1230 holes. Frac in 41 stages w/ 375962BBL Produced Water w/ 25642800# sand, RD NexTier 11/1/22. Well ready to produce 11/10/22. 1/15/23 RIH with 2-3/8" L80 tbg & gas lift set @ 11621', RD 1/16/23. Formation Tops for this completion are as follows: Rustler 357'M 357'V Salado 691'M 691'V Castile 1999'M 1999'V Delaware 4013'M 4013'V Bell Canyon 4137'M 4137'V Cherry Canyon 4984'M 4983'V Brushy Canyon 6268'M 6249'V Bone Spring 7989'M 7908'V 1st Bone Spring 9048'M 8925'V 2nd Bone Spring 9783'M 9630'V 3rd Bone Spring 11123'M 10920'V Wolfcamp 11683'M 11353'V

Received by OCD: 3/21/2023 1:06:19 PM

Page 16 of 23

Well Name: ARKENSTONE 31 FEDERAL	Well Location: T23S / R31E / SEC 31 / NWNW / 32.267818 / -103.821662	County or Parish/State: EDDY / NM
Well Number: 172H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0546732A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547318	Well Status: Drilling Well	Operator: OXY USA INCORPORATED

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

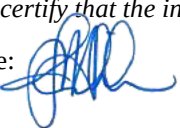
Operator Electronic Signature: JANA MENDIOLA	Signed on: FEB 06, 2023 08:48 PM
Name: OXY USA INCORPORATED	
Title: Regulatory Coordinator	
Street Address: PO BOX 50250	
City: Midland	State: TX
Phone: (432) 685-5936	
Email address: Janalyn_mendiola@oxy.com	

Field

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

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 03/16/2023
Signature: Jonathon Shepard	

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name ARKENSTONE 31 FEDERAL		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								6. Well Number: 172H		
8. Name of Operator: OXY USA INC.						9. OGRID: 16696				
10. Address of Operator: P.O. BOX 50250 MIDLAND, TX 79710						11. Pool name or Wildcat PURPLE SAGE WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	31	23S	31E		130	NORTH	1230	WEST	EDDY
BH:	O	6	24S	31E		48	SOUTH	2513	EAST	EDDY
13. Date Spudded 07/10/2022	14. Date T.D. Reached 09/23/2022		15. Date Rig Released 09/26/2022			16. Date Completed (Ready to Produce) 11/10/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3351' GL		
18. Total Measured Depth of Well 22179'M 11417'V			19. Plug Back Measured Depth 22137'M 11418'V			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 16952-21776' WOLFCAMP										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375" J55		54.5		424'		17.5"		545sx-surf circ		
9.625" HCL80		40		4198'		12.25"		1093sx-surf circ		
7.625" HCL80		29.7		10907'		8.75"		811sx-surf circ		
5.5" P110 ICY		20		22159'		6.75"		705sx-TOC@10407'		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						2-3/8"	11621'			
26. Perforation record (interval, size, and number) Perf @ 16952-21776' Total 615 holes, Hole Size=0.42						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 16952-21776' 375962BBL Produced Water w/ 25642800# sand				
28. PRODUCTION										
Date First Production 11/13/2022		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Gas lift				Well Status (<i>Prod. or Shut-in</i>) Prod.				
Date of Test 12/06/2022	Hours Tested 24 hrs.	Choke Size 108/128	Prod'n For Test Period	Oil - Bbl 1948	Gas - MCF 4087	Water - Bbl. 4327	Gas - Oil Ratio 2098			
Flow Tubing Press.	Casing Pressure 1212	Calculated 24- Hour Rate	Oil - Bbl. 1948	Gas - MCF 4087	Water - Bbl. 4327	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD								30. Test Witnessed By		
31. List Attachments WBD										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:		
34. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude Longitude NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature: 			Name: <u>Jana Mendiola</u>			Title: <u>Sr. Regulatory Analyst</u>			Date: <u>03/21/2023</u>	
E-mail Address: <u>janalyn_mendiola@oxy.com</u>										

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

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 357'	T. Bell Canyon 4137'	T. Ojo Alamo	T. Penn A"
T. Salado 691'	T. Strawn	T. Kirtland	T. Penn. "B"
T. Castile 1999'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Delaware 4013'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Cherry Canyon 4984'	T. Devonian	T. Cliff House	T. Leadville
T. Brushy Canyon 6268'	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Spring 7989'	T. Todilto	
T. Abo	T. 1 st Bone Spring 9048'	T. Entrada	
T. Wolfcamp 11683'	T. 2 nd Bone Spring 9783'	T. Wingate	
T. Penn	T. 3 rd Bone Spring 11123'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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

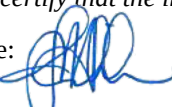
No. 3, from.....to.....

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

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

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

From	To	Thickness In Feet	Lithology

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-015-47318		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name ARKENSTONE 31 FEDERAL		
								6. Well Number: 172H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator: OXY USA INC.						9. OGRID: 16696				
10. Address of Operator: P.O. BOX 50250 MIDLAND, TX 79710						11. Pool name or Wildcat WC-015 G-08 S233135D; WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	31	23S	31E		130	NORTH	1230	WEST	EDDY
BH:	O	6	24S	31E		48	SOUTH	2513	EAST	EDDY
13. Date Spudded 07/10/2022	14. Date T.D. Reached 09/23/2022		15. Date Rig Released 09/26/2022		16. Date Completed (Ready to Produce) 11/10/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3351' GL		
18. Total Measured Depth of Well 22179'M 11417'V			19. Plug Back Measured Depth 22137'M 11418'V		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11777-16928' WOLFCAMP										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375" J55		54.5		424'		17.5"		545sx-surf circ		
9.625" HCL80		40		4198'		12.25"		1093sx-surf circ		
7.625" HCL80		29.7		10907'		8.75"		811sx-surf circ		
5.5" P110 ICY		20		22159'		6.75"		705sx-TOC@10407'		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						2-3/8"	11621'			
26. Perforation record (interval, size, and number) Perf @ 11777-16928' Total 615 holes, Hole Size=0.42						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 11777-16928' 375962BBL Produced Water w/ 25642800# sand				
28. PRODUCTION										
Date First Production 11/13/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Gas lift				Well Status (Prod. or Shut-in) Prod.				
Date of Test 12/06/2022	Hours Tested 24 hrs.	Choke Size 108/128	Prod'n For Test Period	Oil - Bbl 1948	Gas - MCF 4087	Water - Bbl. 4327	Gas - Oil Ratio 2098			
Flow Tubing Press.	Casing Pressure 1212	Calculated 24- Hour Rate	Oil - Bbl. 1948	Gas - MCF 4087	Water - Bbl. 4327	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD								30. Test Witnessed By		
31. List Attachments WBD										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:		
34. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude Longitude NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Printed										
Signature: 		Name: <u>Jana Mendiola</u>			Title: <u>Sr. Regulatory Analyst</u>			Date: <u>03/21/2023</u>		
E-mail Address: janalyn_mendiola@oxy.com										

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

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 357'	T. Bell Canyon 4137'	T. Ojo Alamo	T. Penn A"
T. Salado 691'	T. Strawn	T. Kirtland	T. Penn. "B"
T. Castile 1999'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Delaware 4013'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Cherry Canyon 4984'	T. Devonian	T. Cliff House	T. Leadville
T. Brushy Canyon 6268'	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Spring 7989'	T. Todilto	
T. Abo	T. 1 st Bone Spring 9048'	T. Entrada	
T. Wolfcamp 11683'	T. 2 nd Bone Spring 9783'	T. Wingate	
T. Penn	T. 3 rd Bone Spring 11123'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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

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

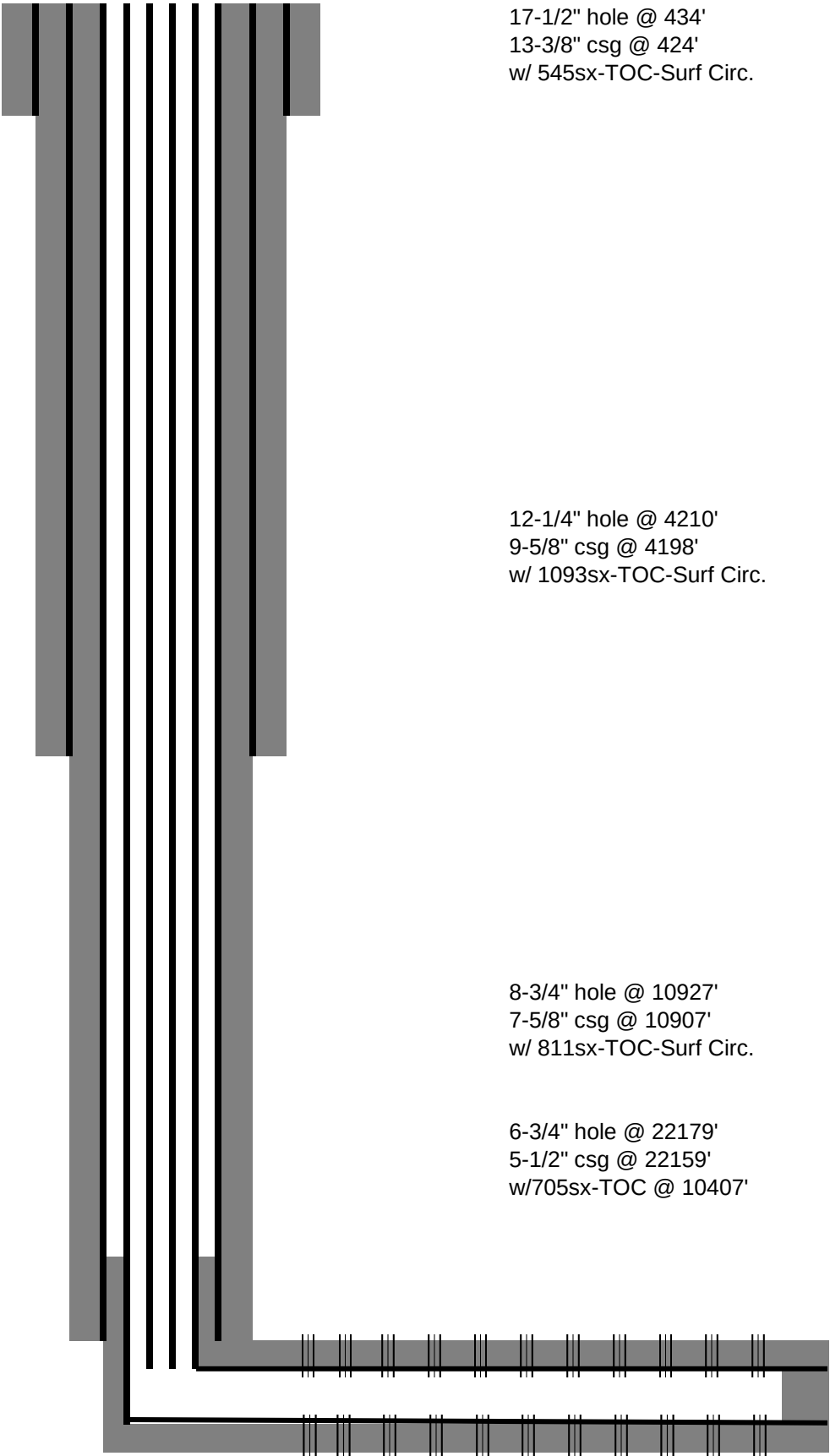
No. 4, from.....to.....

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

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

From	To	Thickness In Feet	Lithology

OXY USA Inc.
ARKENSTONE 31 FEDERAL 172H
API No. 30-015-47318



17-1/2" hole @ 434'
13-3/8" csg @ 424'
w/ 545sx-TOC-Surf Circ.

12-1/4" hole @ 4210'
9-5/8" csg @ 4198'
w/ 1093sx-TOC-Surf Circ.

8-3/4" hole @ 10927'
7-5/8" csg @ 10907'
w/ 811sx-TOC-Surf Circ.

6-3/4" hole @ 22179'
5-1/2" csg @ 22159'
w/705sx-TOC @ 10407'

2-3/8" tbg & gas lift @ 11621'

Perfs @ 11777-21776' TD- 22179'M 11417'V

District I
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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 199351

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 199351
	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 199351

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 199351
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	6/2/2023
plmartinez	Submit CBL Well Log (s) in OCD Permitting as [UF-WL] EP Well Log Submission.	6/2/2023