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	[2] OGRID Number: 16696
OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710	[3] Reason for Filing Code/ Effective Date: NW - 01/25/2023

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 025-48814	MESA VERDE; BONE SPRING	96229
[7] Property Code: 320828	[8] Property Name: MESA VERDE BONE SPRING UNIT	[9] Well Number: 44H

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	16	24S	32E		635	SOUTH	1140	WEST	LEA

[11] Bottom Hole Location

FTP- 142' FSL 426' FWL LTP- 205' FNL 453' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	24S	32E		46	NORTH	450	WEST	LEA

[12] Lse Code	[13] Producing Method Code :	[14] Gas Connection Date:	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	F	1/29/23			

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	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
10/12/22	01/25/2023	20152'M 9326'V	20110'M 9326'V	9767-19993'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
14-3/4"	10-3/4"	949'	1015
9-7/8"	7-5/8"	8889'	2699
6-3/4"	5-1/2"	20133'	1353

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
1/30/23	1/29/23	2/6/23	24 HRS		772
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
128/128	3149	3354	4474		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: 04/30/2023

Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by: *PATRICIA MARTINEZ*

Title: *PETROLEUM SPECIALIST*

Approval Date: *5/1/2023*

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 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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-48814	96229	MESA VERDE; BONE SPRING

[4] Property Code	Property Name	[6] Well Number
320828	MESA VERDE BS UNIT	44H

[7] OGRID No.	[8] Operator Name	[9] Elevation
16696	OXY USA INC.	3573'

[10] Surface Location

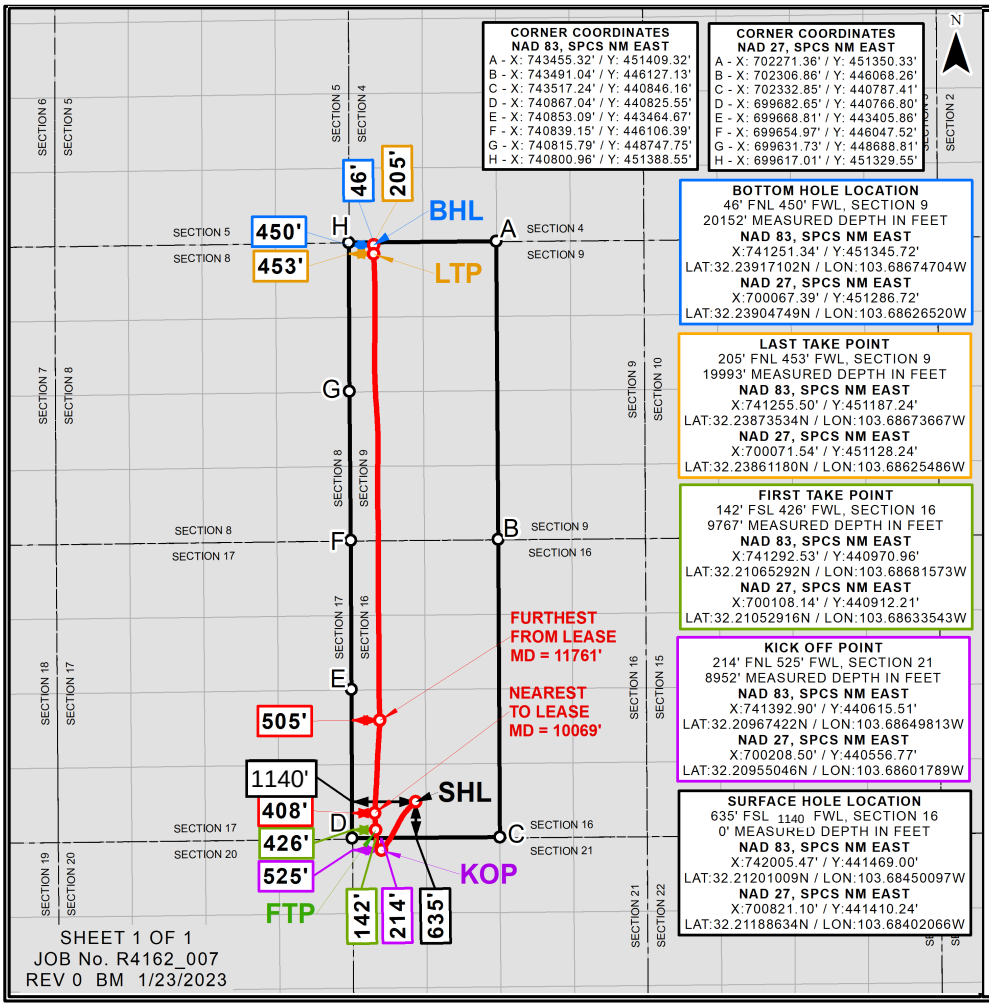
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	24S	32E		635	SOUTH	1140	WEST	LEA

[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
D	9	24S	32E		46	NORTH	450	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640.0			

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.



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 1/24/23

JANA MENDIOLA
Printed Name

janalyn_mendiola@oxy.com
E-mail Address

[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.

JANUARY 23, 2023
Date of Survey

Signature and Seal of Professional Surveyor:

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

Certificate Number LLOYD P. SHORT 21653

Distances/areas relative to NAD 83 Combined Scale Factor: 0.9990013 Convergence Angle: 0.68792778

OXY

Borehole:	Well:	Field:	Structure:
Mesa Verde BS Unit 44H	Mesa Verde BS Unit 44H	NM Lea County (NAD 83)	Oxy Mesa Verde BS Unit Pad

Gravity & Magnetic Parameters

Model:	IFR1	Dip:	59.848°	Date:	20-Oct-2022		
MagDec:	6.5°	FS:	47613.8nT	Gravity FS:	998.432mgn (9.80665 Based)		

Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet

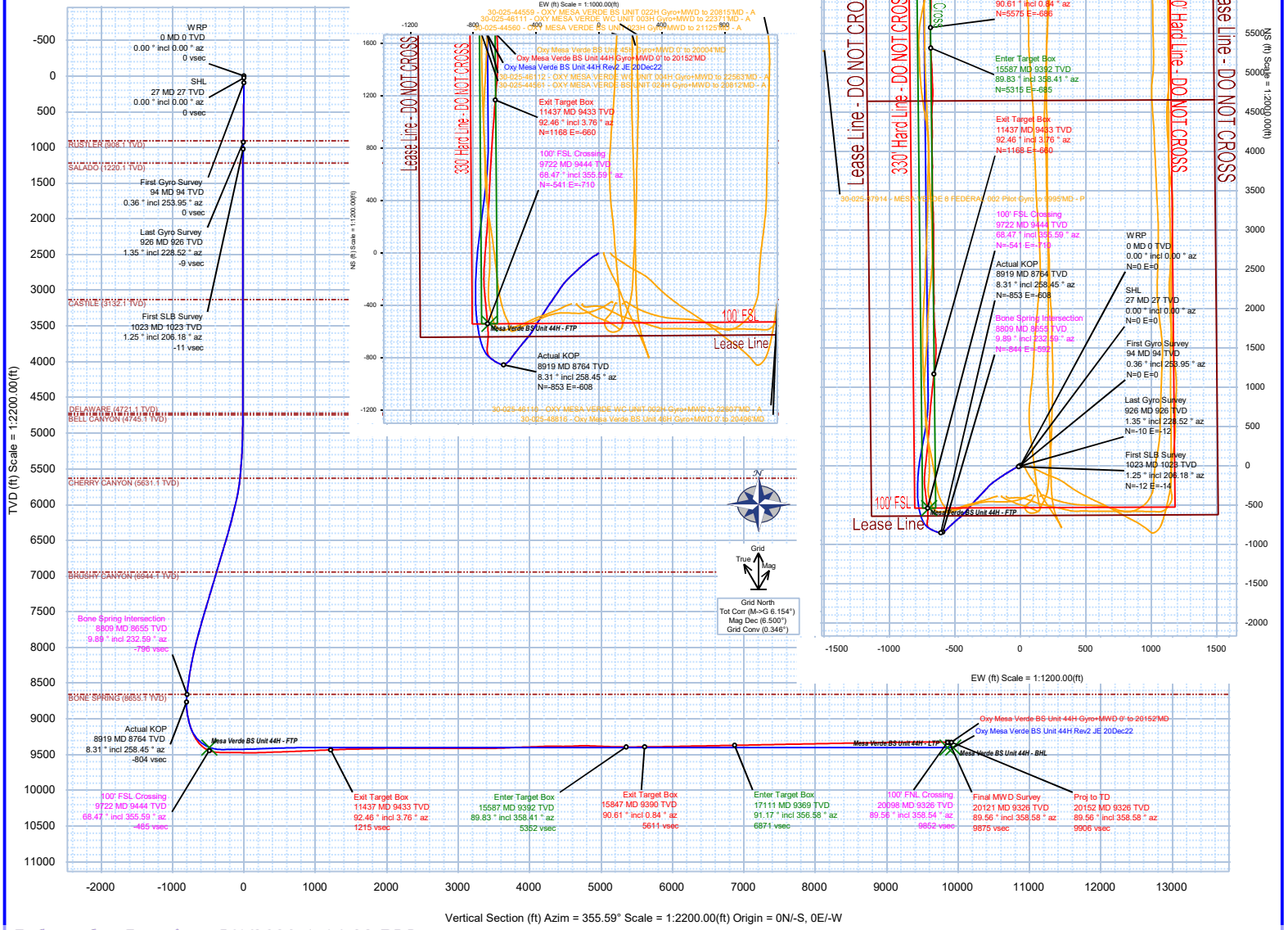
Lat:	N 32 12 43.24	Northing:	441469ftUS	Grid Conv:	0.3459°
Lon:	W 103 41 4.20	Easting:	742005.47ftUS	Scale Fact:	0.99995521

Miscellaneous

Slot:	Mesa Verde BS Unit 44H	TVD Ref:	RKB(3599.1ft above MSL)
Plan:	Oxy Mesa Verde BS Unit 44H Gyro+MWD 0' to 20152'MD		

Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00
First Gyro Survey	93.71	0.36	253.95	93.71	-0.04	-0.06	-0.20	0.54
Last Gyro Survey	926.24	1.35	228.52	926.08	-9.16	-10.14	-12.38	0.14
First SLB Survey	1023.00	1.25	206.18	1022.81	-10.76	-11.85	-13.70	0.53
Bone Spring Intersection	8808.58	9.89	232.59	8655.10	-796.40	-844.45	-592.20	1.83
Actual KOP	8918.80	8.31	258.45	8763.81	-803.92	-853.21	-607.93	7.04
100' FSL Crossing	9722.00	68.47	355.59	9443.63	-484.63	-540.80	-709.59	18.16
Exit Target Box	11437.00	92.46	3.76	9432.98	1214.86	1167.55	-660.08	0.77
Enter Target Box	15587.00	89.83	358.41	9391.53	5351.89	5314.94	-685.15	1.53
Exit Target Box	15847.00	90.61	0.84	9390.46	5611.18	5574.91	-686.32	0.99
Enter Target Box	17111.00	91.17	356.58	9369.00	6871.43	6838.30	-694.01	0.19
100' FNL Crossing	20098.00	89.56	358.54	9325.71	9852.00	9823.20	-752.81	0.19
Final MWD Survey	20121.00	89.56	358.58	9325.88	9874.97	9846.19	-753.39	0.19
Proj to TD	20152.00	89.56	358.58	9326.12	9905.93	9877.18	-754.16	0.00



Oxy Mesa Verde BS Unit 44H Gyro+MWD 0' to 20152'MD Survey Geodetic Report

(Def Survey)

Report Date:	December 29, 2022 - 02:33 PM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	OXY	**Vertical Section Azimuth:**	355.589 ° (Grid North)
Field:	NM Lea County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Oxy Mesa Verde BS Unit Pad / Mesa Verde BS Unit 44H	**TVD Reference Datum:**	RKB
Well:	Mesa Verde BS Unit 44H	**TVD Reference Elevation:**	3599.100 ft above MSL
Borehole:	Mesa Verde BS Unit 44H	**Seabed / Ground Elevation:**	3572.600 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.500 °
Survey Name:	Oxy Mesa Verde BS Unit 44H Gyro+MWD 0' to 20152'MD	**Total Gravity Field Strength:**	998.4317mgn (9.80665 Based)
Survey Date:	October 18, 2022	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	266.942 ° / 11854.171 ft / 6.828 / 1.251	**Total Magnetic Field Strength:**	47613.800 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.848 °
Location Lat / Long:	N 32° 12' 43.23633", W 103° 41' 4.20350"	**Declination Date:**	October 20, 2022
Location Grid N/E Y/X:	N 441469.000 ftUS, E 742005.470 ftUS	**Magnetic Declination Model:**	IFR1
CRS Grid Convergence Angle:	0.3459 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99995521	**Grid Convergence Used:**	0.3500 °
Version / Patch:	2.10.829.1	**Total Corr Mag North->Grid North:**	6.1500 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	441469.00	742005.47	N 32 12 43.24	W 103 41	4.20
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	441469.00	742005.47	N 32 12 43.24	W 103 41	4.20
First Gyro Survey	93.71	0.36	253.95	93.71	-0.04	-0.06	-0.20	0.54	441468.94	742005.27	N 32 12 43.24	W 103 41	4.21
	178.30	0.69	239.81	178.30	-0.32	-0.39	-0.90	0.42	441468.61	742004.57	N 32 12 43.23	W 103 41	4.21
	266.27	0.97	236.48	266.26	-0.91	-1.07	-1.98	0.32	441467.93	742003.49	N 32 12 43.23	W 103 41	4.23
	360.55	1.07	228.68	360.52	-1.83	-2.09	-3.30	0.18	441466.91	742002.17	N 32 12 43.22	W 103 41	4.24
	454.87	1.01	225.10	454.83	-2.90	-3.26	-4.55	0.09	441465.74	742000.92	N 32 12 43.20	W 103 41	4.26
	549.23	1.06	228.79	549.17	-3.96	-4.42	-5.80	0.09	441464.58	741999.67	N 32 12 43.19	W 103 41	4.27
	643.33	1.23	234.04	643.25	-5.01	-5.58	-7.27	0.21	441463.42	741998.20	N 32 12 43.18	W 103 41	4.29
	737.64	1.48	230.27	737.54	-6.24	-6.96	-9.03	0.28	441462.04	741996.44	N 32 12 43.17	W 103 41	4.31
	831.88	1.40	223.43	831.75	-7.72	-8.57	-10.76	0.20	441460.43	741994.72	N 32 12 43.15	W 103 41	4.33
Last Gyro Survey	926.24	1.35	228.52	926.08	-9.16	-10.14	-12.38	0.14	441458.86	741993.09	N 32 12 43.14	W 103 41	4.35
First SLB Survey	1023.00	1.25	206.18	1022.81	-10.76	-11.85	-13.70	0.53	441457.15	741991.77	N 32 12 43.12	W 103 41	4.36
	1115.00	1.36	205.50	1114.79	-12.57	-13.73	-14.61	0.12	441455.27	741990.86	N 32 12 43.10	W 103 41	4.37
	1209.00	0.88	203.56	1208.77	-14.17	-15.40	-15.38	0.51	441453.60	741990.09	N 32 12 43.08	W 103 41	4.38
	1303.00	0.13	113.66	1302.77	-14.86	-16.11	-15.57	0.95	441452.90	741989.90	N 32 12 43.08	W 103 41	4.39
	1395.00	0.11	176.68	1394.77	-15.00	-16.24	-15.47	0.14	441452.77	741990.00	N 32 12 43.08	W 103 41	4.38
	1488.00	0.13	159.41	1487.77	-15.19	-16.42	-15.43	0.04	441452.58	741990.04	N 32 12 43.07	W 103 41	4.38
	1581.00	0.13	321.54	1580.77	-15.20	-16.44	-15.46	0.28	441452.56	741990.01	N 32 12 43.07	W 103 41	4.38
	1676.00	0.14	37.72	1675.77	-15.03	-16.26	-15.45	0.18	441452.74	741990.02	N 32 12 43.08	W 103 41	4.38
	1771.00	0.15	274.43	1770.77	-14.92	-16.16	-15.51	0.27	441452.84	741989.96	N 32 12 43.08	W 103 41	4.39
	1866.00	0.14	293.43	1865.77	-14.85	-16.11	-15.74	0.05	441452.89	741989.73	N 32 12 43.08	W 103 41	4.39
	1960.00	0.14	232.97	1959.77	-14.86	-16.13	-15.93	0.15	441452.87	741989.54	N 32 12 43.08	W 103 41	4.39
	2054.00	0.14	347.51	2053.77	-14.80	-16.09	-16.05	0.25	441452.91	741989.42	N 32 12 43.08	W 103 41	4.39
	2243.00	0.14	163.25	2242.77	-14.80	-16.08	-16.03	0.15	441452.92	741989.44	N 32 12 43.08	W 103 41	4.39
	2337.00	0.15	287.67	2336.77	-14.87	-16.16	-16.12	0.27	441452.85	741989.35	N 32 12 43.08	W 103 41	4.39
	2433.00	0.15	345.39	2432.77	-14.70	-16.00	-16.27	0.15	441453.01	741989.20	N 32 12 43.08	W 103 41	4.39
	2527.00	0.14	133.06	2526.77	-14.66	-15.95	-16.22	0.30	441453.05	741989.25	N 32 12 43.08	W 103 41	4.39
	2622.00	0.15	306.90	2621.77	-14.66	-15.96	-16.23	0.30	441453.04	741989.24	N 32 12 43.08	W 103 41	4.39
	2717.00	0.17	42.41	2716.77	-14.49	-15.78	-16.24	0.25	441453.22	741989.23	N 32 12 43.08	W 103 41	4.39
	2812.00	0.16	298.76	2811.77	-14.32	-15.61	-16.26	0.27	441453.39	741989.21	N 32 12 43.08	W 103 41	4.39
	2907.00	0.15	243.17	2906.77	-14.29	-15.60	-16.48	0.15	441453.40	741988.99	N 32 12 43.08	W 103 41	4.40
	3002.00	0.15	230.44	3001.77	-14.41	-15.74	-16.69	0.04	441453.26	741988.78	N 32 12 43.08	W 103 41	4.40
	3097.00	0.16	110.99	3096.76	-14.54	-15.87	-16.66	0.28	441453.13	741988.81	N 32 12 43.08	W 103 41	4.40
	3192.00	0.15	167.00	3191.76	-14.72	-16.04	-16.51	0.15	441452.97	741988.96	N 32 12 43.08	W 103 41	4.40
	3286.00	0.15	203.87	3285.76	-14.95	-16.27	-16.53	0.10	441452.73	741988.94	N 32 12 43.08	W 103 41	4.40
	3382.00	0.21	193.32	3381.76	-15.23	-16.55	-16.63	0.07	441452.45	741988.85	N 32 12 43.07	W 103 41	4.40
	3476.00	0.19	309.71	3475.76	-15.28	-16.62	-16.78	0.36	441452.38	741988.69	N 32 12 43.07	W 103 41	4.40
	3571.00	0.16	223.37	3570.76	-15.26	-16.62	-17.00	0.25	441452.38	741988.47	N 32 12 43.07	W 103 41	4.40
	3667.00	0.14	264.25	3666.76	-15.35	-16.73	-17.21	0.11	441452.27	741988.27	N 32 12 43.07	W 103 41	4.40
	3761.00	0.23	152.87	3760.76	-15.53	-16.91	-17.23	0.33	441452.09	741988.24	N 32 12 43.07	W 103 41	4.41
	3856.00	0.14	243.20	3855.76	-15.75	-17.13	-17.25	0.28	441451.87	741988.22	N 32 12 43.07	W 103 41	4.41
	4046.00	0.13	324.03	4045.76	-15.66	-17.06	-17.58	0.09	441451.94	741987.89	N 32 12 43.07	W 103 41	4.41
	4141.00	0.17	307.31	4140.76	-15.47	-16.89	-17.76	0.06	441452.11	741987.71	N 32 12 43.07	W 103 41	4.41
	4236.00	0.20	171.67	4235.76	-15.54	-16.96	-17.85	0.36	441452.04	741987.62	N 32 12 43.07	W 103 41	4.41
	4330.00	0.18	151.01	4329.76	-15.84	-17.26	-17.75	0.08	441451.74	741987.72	N 32 12 43.07	W 103 41	4.41
	4426.00	0.13	274.45	4425.76	-15.96	-17.38	-17.79	0.29	441451.62	741987.68	N 32 12 43.07	W 103 41	4.41
	4520.00	0.41	266.68	4519.76	-15.94	-17.39	-18.23	0.30	441451.61	741987.24	N 32 12 43.07	W 103 41	4.42
	4615.00	0.18	235.89	4614.76	-16.00	-17.49	-18.69	0.29	441451.51	741986.78	N 32 12 43.06	W 103 41	4.42
	4710.00	0.36	311.89	4709.76	-15.86	-17.38	-19.04	0.38	441451.62	741986.43	N 32 12 43.07	W 103 41	4.43
	4805.00	0.90	251.67	4804.75	-15.83	-17.41	-19.97	0.83	441451.59	741985.50	N 32 12 43.07	W 103 41	4.44
	4899.00	1.69	240.90	4898.73	-16.58	-18.32	-21.88	0.88	441450.68	741983.59	N 32 12 43.06	W 103 41	4.46
	4994.00	2.64	245.16	4993.66	-17.93	-19.92	-25.09	1.01	441449.08	741980.38	N 32 12 43.04	W 103 41	4.50
	5089.00	3.35	239.76	5088.53	-19.91	-22.24	-29.47	0.80	441446.76	741976.00	N 32 12 43.02	W 103 41	4.55
	5184.00	4.18	231.15	5183.32	-23.07	-25.81	-34.57	1.05	441443.19	741970.90	N 32 12 42.98	W 103 41	4.61
	5279.00	5.27	230.63	5278.00	-27.53	-30.75	-40.64	1.15	441438.25	741964.83	N 32 12 42.93	W 103 41	4.68
	5374.00	6.36	225.72	5372.51	-33.40	-37.19	-47.78	1.26	441431.81	741957.69	N 32 12 42.87	W 103 41	4.76
	5469.00	7.07	224.31	5466.86	-40.63	-45.05	-55.63	0.77	441423.96	741949.84	N 32 12 42.79	W 103 41	4.85
	5564.00	7.61	225.33	5561.08	-48.56	-53.65	-64.19	0.58	441415.35	741941.29	N 32 12 42.71	W 103 41	4.95
	5659.00	9.05	223.84	5655.07	-57.60	-63.46	-73.84	1.53	441405.54	741931.64	N 32 12 42.61	W 103 41	5.07
	5754.00	13.13	224.80	5748.28	-69.63	-76.51	-86.62	4.30	441392.49	741918.85	N 32 12 42.48	W 103 41	5.22
	5849.00	15.29	224.80	5840.37	-84.86	-93.06	-103.05	2.27	441375.94	741902.42	N 32 12 42.32	W 103 41	5.41
	5943.00	18.36	222.04	5930.33	-103.16	-112.86	-121.70	3.37	441356.15	741883.77	N 32 12 42.13	W 103 41	5.63
	6038.00	20.43	221.64	6019.94	-124.98	-136.36	-142.74	2.18	441332.65	741862.74	N 32 12 41.90	W 103 41	5.87
	6133.00	19.52	221.44	6109.22	-147.54	-160.65	-164.26	0.96	441308.36	741841.21	N 32 12 41.66	W 103 41	6.13
	6228.00	19.60	220.38	6198.74	-169.90	-184.69	-185.09	0.38	441284.32	741820.39	N 32 12 41.42	W 103 41	6.37
	6322.00	19.53	219.54	6287.31	-192.40	-208.81	-205.31	0.31	441260.20	741800.17	N 32 12 41.18	W 103 41	6.61
	6417.00	19.51	213.98	6376.86	-216.27	-234.22	-224.28	1.96	441234.79	741781.20	N 32 12 40.93	W 103 41	6.83
	6512.00	19.43	209.79	6466.43	-241.78	-261.09	-241.00	1.47	441207.93	741764.48	N 32 12 40.67	W 103 41	7.03
	6607.00	19.49	208.76	6556.01	-268.11	-288.69	-256.48	0.37	441180.32	741749.01	N 32 12 40.40	W 103 41	7.21
	6702.00	19.81	209.95	6645.47	-294.66	-316.53	-272.14	0.54	441152.48	741733.34	N 32 12 40.12	W 103 41	7.39
	6797.00	19.56	209.17	6734.92	-321.20	-344.37	-287.93	0.38	441124.65	741717.56	N 32 12 39.85	W 103 41	7.58
	6892.00	19.67	210.23	6824.41	-347.61	-372.07	-303.73	0.39	441096.95	741701.76	N 32 12 39.57	W 103 41	7.76
	6986.00	19.17	209.08	6913.06	-373.49	-399.22	-319.19	0.67	441069.79	741686.29	N 32 12 39.31	W 103 41	7.95
	7081.00	19.67	208.95	7002.66	-399.85	-426.85	-334.51	0.53	441042.17	741670.97	N 32 12 39.03	W 103 41	8.13
	7176.00	19.54	208.93	7092.15	-426.48	-454.74	-349.94	0.14	441014.28	741655.55	N 32 12 38.76	W 103 41	8.31
	7271.00	19.35	207.96	7181.73	-453.05	-482.55	-365.00	0.39	440986.47	741640.48	N 32 12 38.48	W 103 41	8.49
	7366.00	19.26	208.42	7271.39	-479.50	-510.23	-379.84	0.19	440958.79	741625.65	N 32 12 38.21	W 103 41	8.66
	7461.00	19.34	207.02	7361.05	-506.09	-538.02	-394.44	0.49	440931.00	741611.05	N 32 12 37.94	W 103 41	8.83
	7556.00	19.31	205.69	7450.70	-533.10	-566.19	-408.40	0.46	440902.84	741597.09	N 32 12 37.66	W 103 41	9.00
	7651.00	19.38	207.65	7540.34	-560.05	-594.31	-422.52	0.69	440874.72	741582.97	N 32 12 37.38	W 103 41	9.16
	7746.00	19.42	211.99	7629.95	-586.12	-621.67	-438.20	1.52	440847.36	741567.29	N 32 12 37.11	W 103 41	9.35
	7841.00	19.42	215.22	7719.55	-611.00	-647.96	-455.68	1.13	440821.07	741549.81	N 32 12 36.85	W 103 41	9.55
	7936.00	19.44	215.02	7809.13	-635.37	-673.81	-473.86	0.07	440795.22	741531.63	N 32 12 36.60	W 103 41	9.77
	8031.00	18.07	214.26	7899.09	-659.09	-698.94	-491.23	1.46	440770.09	741514.27	N 32 12 36.35	W 103 41	9.97
	8126.00	16.97	213.53	7989.68	-681.53	-722.67	-507.18	1.18	440746.36	741498.31	N 32 12 36.12	W 103 41	10.16

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	8221.00	16.23	213.12	8080.72	-702.99	-745.35	-522.09	0.79	440723.69	741483.40	N 32 12 35.89	W 103 41 10.33
	8316.00	14.76	212.81	8172.26	-723.15	-766.64	-535.90	1.55	440702.40	741469.59	N 32 12 35.68	W 103 41 10.49
	8411.00	13.31	212.02	8264.43	-741.59	-786.08	-548.26	1.54	440682.95	741457.23	N 32 12 35.49	W 103 41 10.64
	8506.00	10.65	210.89	8357.35	-757.56	-802.89	-558.57	2.81	440666.14	741446.93	N 32 12 35.33	W 103 41 10.76
	8601.00	10.21	212.13	8450.78	-771.48	-817.56	-567.55	0.52	440651.48	741437.94	N 32 12 35.18	W 103 41 10.87
	8696.00	10.37	222.05	8544.26	-784.14	-831.04	-577.76	1.87	440638.00	741427.74	N 32 12 35.05	W 103 41 10.99
	8791.00	9.93	230.74	8637.78	-794.71	-842.57	-589.83	1.68	440626.47	741415.67	N 32 12 34.93	W 103 41 11.13
Bone Spring Intersection	*8808.58*	*9.89*	*232.59*	*8655.10*	*-796.40*	*-844.45*	*-592.20*	*1.83*	*440624.59*	*741413.30*	*N 32 12 34.92*	*W 103 41 11.16*
	8871.00	9.83	239.25	8716.60	-801.68	-850.43	-601.04	1.83	440618.61	741404.46	N 32 12 34.86	W 103 41 11.26
Actual KOP	*8918.80*	*8.31*	*258.45*	*8763.81*	*-803.92*	*-853.21*	*-607.93*	*7.04*	*440615.83*	*741397.57*	*N 32 12 34.83*	*W 103 41 11.34*
	8952.00	7.95	274.83	8796.68	-803.85	-853.49	-612.57	7.04	440615.55	741392.93	N 32 12 34.83	W 103 41 11.39
	9047.00	12.59	294.95	8890.16	-797.72	-848.57	-628.52	6.10	440620.47	741376.98	N 32 12 34.88	W 103 41 11.58
	9142.00	18.86	304.10	8981.57	-783.06	-835.58	-650.65	7.08	440633.46	741354.85	N 32 12 35.01	W 103 41 11.83
	9237.00	22.48	309.77	9070.45	-760.83	-815.34	-677.33	4.35	440653.70	741328.17	N 32 12 35.21	W 103 41 12.14
	9333.00	23.50	328.63	9158.94	-730.94	-787.22	-701.44	7.72	440681.82	741304.07	N 32 12 35.49	W 103 41 12.42
	9428.00	27.93	358.17	9244.87	-691.65	-748.63	-712.05	14.12	440720.40	741293.45	N 32 12 35.87	W 103 41 12.54
	9523.00	38.21	6.36	9324.41	-640.40	-697.03	-709.50	11.78	440772.00	741296.00	N 32 12 36.38	W 103 41 12.51
	9618.00	51.49	0.49	9391.64	-574.18	-630.34	-705.91	14.63	440838.69	741299.59	N 32 12 37.04	W 103 41 12.46
	9713.00	66.84	355.62	9440.21	-492.95	-549.10	-708.95	16.74	440919.92	741296.55	N 32 12 37.85	W 103 41 12.49
100' FSL Crossing	*9722.00*	*68.47*	*355.59*	*9443.63*	*-484.63*	*-540.80*	*-709.59*	*18.16*	*440928.22*	*741295.92*	*N 32 12 37.93*	*W 103 41 12.50*
	9808.00	84.09	355.33	9463.96	-401.34	-457.78	-716.19	18.16	441011.24	741289.32	N 32 12 38.75	W 103 41 12.57
	9903.00	89.44	355.41	9469.32	-306.53	-363.27	-723.84	5.63	441105.74	741281.66	N 32 12 39.68	W 103 41 12.65
	9974.00	90.47	355.63	9469.37	-235.53	-292.49	-729.39	1.48	441176.52	741276.12	N 32 12 40.39	W 103 41 12.71
	10069.00	89.39	0.01	9469.49	-140.62	-197.58	-733.00	4.75	441271.42	741272.51	N 32 12 41.32	W 103 41 12.75
	10164.00	88.06	2.95	9471.60	-46.16	-102.65	-730.55	3.40	441366.35	741274.96	N 32 12 42.26	W 103 41 12.71
	10259.00	89.78	3.68	9473.40	47.95	-7.83	-725.05	1.97	441461.17	741280.45	N 32 12 43.20	W 103 41 12.64
	10354.00	90.95	3.97	9472.79	141.97	86.95	-718.72	1.27	441555.95	741286.79	N 32 12 44.14	W 103 41 12.56
	10449.00	91.39	3.58	9470.85	235.98	181.73	-712.46	0.62	441650.72	741293.04	N 32 12 45.08	W 103 41 12.48
	10544.00	92.13	2.98	9467.93	330.08	276.52	-707.03	1.00	441745.51	741298.47	N 32 12 46.01	W 103 41 12.41
	10639.00	92.16	3.26	9464.38	424.20	371.32	-701.86	0.30	441840.30	741303.64	N 32 12 46.95	W 103 41 12.35
	10734.00	91.74	1.96	9461.14	518.43	466.16	-697.54	1.44	441935.14	741307.96	N 32 12 47.89	W 103 41 12.29
	10828.00	92.19	2.10	9457.92	611.78	560.05	-694.21	0.50	442029.02	741311.29	N 32 12 48.82	W 103 41 12.24
	10920.00	92.63	2.55	9454.05	703.06	651.89	-690.48	0.68	442120.86	741315.02	N 32 12 49.73	W 103 41 12.19
	11014.00	92.03	2.95	9450.23	796.25	745.70	-685.98	0.77	442214.67	741319.53	N 32 12 50.66	W 103 41 12.14
	11107.00	92.16	3.40	9446.83	888.38	838.50	-680.83	0.50	442307.46	741324.67	N 32 12 51.57	W 103 41 12.07
	11200.00	92.67	3.62	9442.91	980.41	931.24	-675.14	0.60	442400.20	741330.36	N 32 12 52.49	W 103 41 12.00
	11293.00	92.46	3.68	9438.75	1072.40	1023.96	-669.23	0.23	442492.91	741336.27	N 32 12 53.41	W 103 41 11.92
	11388.00	92.13	3.58	9434.95	1166.39	1118.69	-663.22	0.36	442587.64	741342.28	N 32 12 54.35	W 103 41 11.84
Exit Target Box	*11437.00*	*92.46*	*3.76*	*9432.98*	*1214.86*	*1167.55*	*-660.08*	*0.77*	*442636.50*	*741345.42*	*N 32 12 54.83*	*W 103 41 11.80*
	11480.00	92.75	3.92	9431.03	1257.37	1210.41	-657.20	0.77	442679.35	741348.30	N 32 12 55.25	W 103 41 11.77
	11573.00	91.96	3.53	9427.21	1349.36	1303.14	-651.17	0.95	442772.07	741354.33	N 32 12 56.17	W 103 41 11.69
	11666.00	91.66	2.39	9424.27	1441.54	1395.96	-646.37	1.27	442864.90	741359.13	N 32 12 57.09	W 103 41 11.63
	11761.00	90.88	359.73	9422.16	1536.08	1490.91	-644.61	2.92	442959.84	741360.89	N 32 12 58.03	W 103 41 11.60
	11856.00	91.27	357.89	9420.38	1630.90	1585.87	-646.58	1.98	443054.80	741358.92	N 32 12 58.97	W 103 41 11.62
	11951.00	91.04	356.47	9418.47	1725.85	1680.74	-651.26	1.51	443149.66	741354.24	N 32 12 59.91	W 103 41 11.67
	12046.00	90.95	358.63	9416.82	1820.77	1775.63	-655.32	2.28	443244.55	741350.18	N 32 13 0.85	W 103 41 11.71
	12140.00	91.32	358.02	9414.96	1914.64	1869.57	-658.06	0.76	443338.48	741347.44	N 32 13 1.77	W 103 41 11.73
	12235.00	91.28	359.62	9412.80	2009.47	1964.52	-660.02	1.68	443433.43	741345.48	N 32 13 2.71	W 103 41 11.75
	12330.00	90.99	1.02	9410.92	2104.12	2059.50	-659.49	1.50	443528.40	741346.01	N 32 13 3.65	W 103 41 11.74
	12425.00	89.72	358.81	9410.33	2198.84	2154.49	-659.63	2.68	443623.39	741345.87	N 32 13 4.59	W 103 41 11.73
	12520.00	89.63	359.21	9410.87	2293.67	2249.47	-661.27	0.43	443718.37	741344.23	N 32 13 5.53	W 103 41 11.74
	12615.00	89.48	0.97	9411.61	2388.37	2344.47	-661.12	1.86	443813.36	741344.38	N 32 13 6.47	W 103 41 11.73
	12710.00	89.72	359.30	9412.27	2483.07	2439.46	-660.90	1.78	443908.35	741344.60	N 32 13 7.41	W 103 41 11.72
	12805.00	90.12	359.47	9412.40	2577.86	2534.46	-661.92	0.46	444003.34	741343.58	N 32 13 8.35	W 103 41 11.73
	12900.00	89.91	359.82	9412.38	2672.62	2629.45	-662.51	0.43	444098.33	741342.99	N 32 13 9.29	W 103 41 11.73
	12995.00	90.17	0.42	9412.31	2767.32	2724.45	-662.31	0.69	444193.33	741343.19	N 32 13 10.23	W 103 41 11.72
	13090.00	90.03	359.97	9412.14	2862.01	2819.45	-661.98	0.50	444288.32	741343.52	N 32 13 11.17	W 103 41 11.71
	13185.00	90.58	0.08	9411.64	2956.73	2914.45	-661.94	0.59	444383.31	741343.56	N 32 13 12.11	W 103 41 11.70
	13280.00	90.20	359.04	9410.99	3051.50	3009.44	-662.67	1.17	444478.30	741342.83	N 32 13 13.05	W 103 41 11.71
	13375.00	89.41	359.34	9411.32	3146.31	3104.43	-664.02	0.89	444573.29	741341.49	N 32 13 13.99	W 103 41 11.71
	13470.00	89.92	359.16	9411.87	3241.11	3199.42	-665.26	0.57	444668.27	741340.24	N 32 13 14.93	W 103 41 11.72
	13565.00	89.35	357.92	9412.48	3335.98	3294.39	-667.68	1.44	444763.23	741337.82	N 32 13 15.87	W 103 41 11.74
	13660.00	90.82	358.47	9412.34	3430.88	3389.34	-670.67	1.65	444858.18	741334.83	N 32 13 16.81	W 103 41 11.77
	13755.00	91.65	359.91	9410.29	3525.67	3484.30	-672.01	1.75	444953.14	741333.49	N 32 13 17.75	W 103 41 11.78
	13850.00	92.17	359.04	9407.12	3620.39	3579.24	-672.88	1.07	445048.08	741332.62	N 32 13 18.69	W 103 41 11.78
	13945.00	92.65	0.56	9403.13	3715.05	3674.16	-673.22	1.68	445142.99	741332.29	N 32 13 19.63	W 103 41 11.78
	14040.00	92.74	0.91	9398.66	3809.56	3769.04	-672.00	0.38	445237.87	741333.50	N 32 13 20.57	W 103 41 11.76
	14135.00	92.03	358.76	9394.71	3904.21	3863.95	-672.27	2.38	445332.77	741333.23	N 32 13 21.51	W 103 41 11.76
	14230.00	91.87	358.82	9391.47	3999.01	3958.88	-674.28	0.18	445427.69	741331.22	N 32 13 22.45	W 103 41 11.77
	14325.00	92.26	0.53	9388.05	4093.70	4053.81	-674.82	1.85	445522.62	741330.69	N 32 13 23.39	W 103 41 11.77
	14420.00	92.00	0.56	9384.52	4188.28	4148.74	-673.91	0.28	445617.55	741331.59	N 32 13 24.33	W 103 41 11.76
	14515.00	90.25	359.81	9382.65	4282.96	4243.72	-673.61	2.00	445712.52	741331.89	N 32 13 25.27	W 103 41 11.75
	14610.00	89.07	358.85	9383.22	4377.75	4338.71	-674.72	1.60	445807.50	741330.78	N 32 13 26.21	W 103 41 11.75
	14705.00	89.89	359.67	9384.08	4472.55	4433.69	-675.94	1.22	445902.49	741329.56	N 32 13 27.15	W 103 41 11.76
	14800.00	92.76	1.61	9381.88	4567.14	4528.65	-674.88	3.65	445997.44	741330.62	N 32 13 28.09	W 103 41 11.74
	14895.00	92.45	2.22	9377.57	4661.46	4623.50	-671.71	0.72	446092.28	741333.79	N 32 13 29.03	W 103 41 11.70
	14990.00	90.05	0.60	9375.49	4755.94	4718.44	-669.38	3.05	446187.21	741336.12	N 32 13 29.97	W 103 41 11.66
	15085.00	88.17	358.38	9376.97	4850.70	4813.41	-670.22	3.06	446282.18	741335.28	N 32 13 30.90	W 103 41 11.67
	15184.00	87.56	358.79	9380.66	4949.49	4912.31	-672.67	0.74	446381.08	741332.84	N 32 13 31.88	W 103 41 11.69
	15279.00	87.83	358.59	9384.48	5044.28	5007.21	-674.84	0.35	446475.97	741330.67	N 32 13 32.82	W 103 41 11.71
	15374.00	88.22	358.03	9387.75	5139.11	5102.11	-677.64	0.72	446570.87	741327.87	N 32 13 33.76	W 103 41 11.73
	15469.00	88.78	357.85	9390.24	5234.00	5197.02	-681.05	0.62	446665.77	741324.45	N 32 13 34.70	W 103 41 11.77
	15563.00	89.75	358.05	9391.44	5327.91	5290.95	-684.41	1.05	446759.70	741321.09	N 32 13 35.63	W 103 41 11.80
Enter Target Box	*15587.00*	*89.83*	*358.41*	*9391.53*	*5351.89*	*5314.94*	*-685.15*	*1.53*	*446783.69*	*741320.35*	*N 32 13 35.87*	*W 103 41 11.81*
	15658.00	90.05	359.47	9391.61	5422.77	5385.92	-686.47	1.53	446854.67	741319.04	N 32 13 36.57	W 103 41 11.82
	15753.00	90.37	359.94	9391.26	5517.52	5480.92	-686.96	0.60	446949.66	741318.55	N 32 13 37.51	W 103 41 11.82
Exit Target Box	*15847.00*	*90.61*	*0.84*	*9390.46*	*5611.18*	*5574.91*	*-686.32*	*0.99*	*447043.65*	*741319.19*	*N 32 13 38.44*	*W 103 41 11.80*
	15848.00	90.61	0.85	9390.45	5612.18	5575.91	-686.30	0.99	447044.65	741319.20	N 32 13 38.45	W 103 41 11.80
	15943.00	90.99	0.46	9389.12	5706.80	5670.90	-685.22	0.57	447139.63	741320.29	N 32 13 39.39	W 103 41 11.78
	16038.00	90.20	0.65	9388.14	5801.44	5765.89	-684.30	0.86	447234.62	741321.21	N 32 13 40.33	W 103 41 11.76
	16133.00	90.46	0.54	9387.59	5896.07	5860.88	-683.31	0.30	447329.61	741322.19	N 32 13 41.27	W 103 41 11.75
	16228.00	91.02	0.69	9386.36	5990.70	5955.87	-682.29	0.61	447424.59	741323.21	N 32 13 42.21	W 103 41 11.73
	16323.00	91.29	0.71	9384.45	6085.30	6050.84	-681.13	0.28	447519.56	741324.37	N 32 13 43.15	W 103 41 11.71
	16418.00	91.58	1.18	9382.07	6179.86	6145.80	-679.56	0.58	447614.51	741325.94	N 32 13 44.09	W 103 41 11.68
	16513.00	90.76	0.77	9380.13	6274.42	6240.76	-677.95	0.96	447709.47	741327.56	N 32 13 45.03	W 103 41 11.66
	16608.00	90.94	359.71	9378.72	6369.09	6335.75	-677.55	1.13	447804.45	741327.95	N 32 13 45.97	W 103 41 11.65
	16703.00	90.98	359.15	9377.13	6463.87	6430.73	-678.49	0.59	447899.43	741327.01	N 32 13 46.91	W 103 41 11.65
	16798.00	90.96	358.81	9375.52	6558.69	6525.70	-680.18	0.36	447994.40	741325.32	N 32 13 47.85	W 103 41 11.66
	16892.00	91.31	357.97	9373.66	6652.55	6619.65	-682.82	0.97	448088.34	741322.68	N 32 13 48.78	W 103 41 11.69
	16987.00	91.23	356.99	9371.55	6747.48	6714.53	-687.00	1.03	448183.22	741318.50	N 32 13 49.72	W 103 41 11.73
	17083.00	91.14	356.62	9369.57	6843.44	6810.36	-692.35	0.40	448279.04	741313.15	N 32 13 50.67	W 103 41 11.78
Enter Target Box	*17111.00*	*91.17*	*356.58*	*9369.00*	*6871.43*	*6838.30*	*-694.01*	*0.19*	*448306.98*	*741311.49*	*N 32 13 50.94*	*W 103 41 11.80*
	17177.00	91.24	356.47	9367.61	6937.40	6904.17	-698.01	0.19	448372.85	741307.49	N 32 13 51.59	W 103 41 11.84
	17272.00	90.68	356.54	9366.02	7032.38	6998.98	-703.80	0.59	448467.65	741301.70	N 32 13 52.53	W 103 41 11.90
	17368.00	91.38	355.47	9364.30	7128.36	7094.73	-710.49	1.33	448563.40	741295.01	N 32 13 53.48	W 103 41 11.98
	17463.00	91.20	355.50	9362.16	7223.33	7189.41	-717.97	0.19	448658.07	741287.54	N 32 13 54.42	W 103 41 12.06
	17557.00	91.14	356.46	9360.24	7317.31	7283.16	-724.56	1.02	448751.82	741280.95	N 32 13 55.35	W 103 41 12.13
	17652.00	90.74	356.98	9358.68	7412.28	7377.99	-729.99	0.69	448846.64	741275.51	N 32 13 56.28	W 103 41 12.18
	17747.00	91.69	358.35	9356.67	7507.19	7472.88	-733.86	1.75	448941.53	741271.64	N 32 13 57.22	W 103 41 12.22
	17842.00	90.82	358.55	9354.58	7602.05	7567.83	-736.43	0.94	449036.47	741269.08	N 32 13 58.16	W 103 41 12.24
	17937.00	91.06	359.04	9353.03	7696.89	7662.79	-738.43	0.57	449131.43	741267.08	N 32 13 59.10	W 103 41 12.26
	18127.00	91.00	0.35	9349.61	7886.36	7852.75	-739.44	0.69	449321.39	741266.07	N 32 14 0.98	W 103 41 12.26
	18222.00	91.08	0.51	9347.89	7981.01	7947.74	-738.73	0.19	449416.36	741266.78	N 32 14 1.92	W 103 41 12.24
	18317.00	91.12	0.52	9346.06	8075.64	8042.71	-737.87	0.04	449511.34	741267.63	N 32 14 2.86	W 103 41 12.23
	18412.00	90.91	0.71	9344.38	8170.26	8137.69	-736.85	0.30	449606.31	741268.65	N 32 14 3.80	W 103 41 12.21
	18507.00	91.17	0.71	9342.66	8264.87	8232.67	-735.68	0.27	449701.29	741269.83	N 32 14 4.74	W 103 41 12.19

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	18602.00	91.06	0.56	9340.81	8359.48	8327.65	-734.62	0.20	449796.26	741270.88	N 32 14 5.68	W 103 41 12.17
	18697.00	91.07	0.30	9339.04	8454.12	8422.63	-733.91	0.27	449891.23	741271.59	N 32 14 6.62	W 103 41 12.16
	18791.00	91.03	0.73	9337.32	8547.76	8516.61	-733.06	0.46	449985.21	741272.44	N 32 14 7.55	W 103 41 12.14
	18886.00	91.00	0.45	9335.64	8642.38	8611.59	-732.09	0.30	450080.18	741273.42	N 32 14 8.49	W 103 41 12.12
	18981.00	91.09	0.50	9333.90	8737.02	8706.57	-731.30	0.11	450175.16	741274.20	N 32 14 9.43	W 103 41 12.11
	19076.00	90.98	0.05	9332.19	8831.69	8801.55	-730.84	0.49	450270.14	741274.66	N 32 14 10.37	W 103 41 12.09
	19171.00	91.14	359.69	9330.43	8926.41	8896.53	-731.06	0.41	450365.12	741274.45	N 32 14 11.31	W 103 41 12.09
	19266.00	91.48	359.48	9328.26	9021.15	8991.51	-731.75	0.42	450460.09	741273.76	N 32 14 12.25	W 103 41 12.09
	19360.00	90.93	358.82	9326.28	9114.95	9085.48	-733.14	0.91	450554.05	741272.36	N 32 14 13.18	W 103 41 12.10
	19455.00	89.99	358.63	9325.52	9209.80	9180.45	-735.25	1.01	450649.02	741270.25	N 32 14 14.12	W 103 41 12.12
	19550.00	90.46	358.81	9325.15	9304.66	9275.42	-737.38	0.53	450743.99	741268.13	N 32 14 15.06	W 103 41 12.14
	19645.00	90.19	358.34	9324.61	9399.53	9370.39	-739.74	0.57	450838.95	741265.77	N 32 14 16.00	W 103 41 12.16
	19740.00	89.76	358.14	9324.65	9494.43	9465.35	-742.66	0.50	450933.90	741262.85	N 32 14 16.94	W 103 41 12.18
	19835.00	90.11	358.40	9324.76	9589.32	9560.30	-745.53	0.46	451028.86	741259.98	N 32 14 17.88	W 103 41 12.21
	19930.00	89.95	358.38	9324.71	9684.21	9655.27	-748.19	0.17	451123.81	741257.31	N 32 14 18.82	W 103 41 12.24
	20025.00	89.54	358.40	9325.13	9779.10	9750.23	-750.86	0.43	451218.77	741254.64	N 32 14 19.76	W 103 41 12.26
100' FNL Crossing	*20098.00*	*89.56*	*358.54*	*9325.71*	*9852.00*	*9823.20*	*-752.81*	*0.19*	*451291.74*	*741252.69*	*N 32 14 20.48*	*W 103 41 12.28*
Final MWD Survey	20121.00	89.56	358.58	9325.88	9874.97	9846.19	-753.39	0.19	451314.73	741252.11	N 32 14 20.71	W 103 41 12.28
Proj to TD	20152.00	89.56	358.58	9326.12	9905.93	9877.18	-754.16	0.00	451345.72	741251.34	N 32 14 21.02	W 103 41 12.29

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 3 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	26.400	26.400	GYD_GC+DROP+OH-Depth Only	Mesa Verde BS Unit 44H / Oxy Mesa Verde BS Unit 44H Gyro+MWD 0' to 20152'MD
	1	26.500	26.500	Act Stns	26.400	26.400	GYD_GC+DROP+OH-Depth Only	Mesa Verde BS Unit 44H / Oxy Mesa Verde BS Unit 44H Gyro+MWD 0' to 20152'MD
	1	26.500	926.240	Act Stns	26.400	26.400	GYD_GC+DROP+OH	Mesa Verde BS Unit 44H / Oxy Mesa Verde BS Unit 44H
	1	926.240	8952.000	Act Stns	26.400	26.400	A010Mb_MWD+IFR1+SAG+MS	Mesa Verde BS Unit 44H / Oxy Mesa Verde BS Unit 44H Gyro+MWD 0' to 20152'MD
	1	8952.000	9333.000	Act Stns	26.400	26.400	A005Mb_MWD+IFR1	Mesa Verde BS Unit 44H / Oxy Mesa Verde BS Unit 44H
	1	9333.000	20152.000	Act Stns	26.400	26.400	A010Mb_MWD+IFR1+SAG+MS	Mesa Verde BS Unit 44H / Oxy Mesa Verde BS Unit 44H Gyro+MWD 0' to 20152'MD

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

04/26/2023

Well Name: MESA VERDE BS UNIT

Well Location: T24S / R32E / SEC 16 / SWSW / 32.2120101 / -103.684501

County or Parish/State: LEA / NM

Well Number: 44H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM55953

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548814

Well Status: Drilling Well

Operator: OXY USA INCORPORATED

Subsequent Report

Sundry ID: 2723561

Type of Submission: Subsequent Report

Type of Action: Workover Operations

Date Sundry Submitted: 03/30/2023

Time Sundry Submitted: 10:05

Date Operation Actually Began: 01/03/2023

Actual Procedure: RUPU 01/03/23, RIH & clean out to PBTD @ 20110', pressure test casing to 6000# for 30 min, good test. RIH & perf @ 9767-19993' Total 1230 holes. Frac in 41 stages w/ 416390BBL Produced Water + 12878BBL Brackish Water (> 1,000 mg/l TDS and 10,000 mg/l TDS) w/ 25481670# sand, RD NexTier 01/19/23. Well ready to produce 1/25/23. OXY USA Inc. requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 6/30/2023. Formation Tops for this completion are as follows: TOP MD TVD Rustler 910 910 Salado 1446 1446 Castile 2535 2535 Delaware 4677 4677 Bell Canyon 4715 4715 Cherry Canyon 5712 5707 Brushy Canyon 6962 6690 Bone Spring 8768 8615

Well Name: MESA VERDE BS UNIT	**Well Location:** T24S / R32E / SEC 16 / SWSW / 32.2120101 / -103.684501	**County or Parish/State:** LEA / NM
Well Number: 44H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM55953	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548814	**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: MAR 30, 2023 10:04 AM

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: 04/06/2023

Signature: Jonathon Shepard

Submit To Appropriate District Office
Two Copies
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 and Natural Resources

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

Form C-105
Revised April 3, 2017

1. WELL API NO.
30-025-48814

2. Type of Lease
☐ STATE ☐ FEE ☒ FED/INDIAN

3. State Oil & Gas Lease No.

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
MESA VERDE BONE SPRING UNIT

6. Well Number: 44H

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
MESA VERDE; BONE SPRING

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	16	24S	32E		635	SOUTH	1140	WEST	LEA
BH:	D	9	24S	32E		46	NORTH	450	WEST	LEA

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
10/12/22	12/27/2022	12/30/2022	01/25/2023	3573' GL

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
20152'M 9326'V	20110'M 9326'V	YES	CBL

22. Producing Interval(s), of this completion - Top, Bottom, Name
9767-19993' Bone Spring

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10.75" J55	45.5	949'	14.75"	1015sx-surf circ	
7.625" HCL80	26.4	8889'	9.875"	2699sx-surf	
5.5" P110CY	20	20133'	6.75"	1353sx-TOC@7665'	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)
9767-19993' Total 1230 holes, Hole Size=0.42

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9767-19993'	416390BBL Produced Water + 12878BBL Brackish Water (> 1,000 mg/l TDS and 10,000 mg/l TDS) w/ 25481670# sand

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
01/30/2023	FLOWING	Prod.

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
02/06/2023	24 hrs.	128/128		3149	4474	3354	1421

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
	772		3149	4474	3354	

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

Signature:

Printed
Name: Jana Mendiola Title: Sr. Regulatory Analyst Date: 04/30/2023

E-mail Address: janalyn_mendiola@oxy.com

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 910’	T. Bell Canyon 4715’	T. Ojo Alamo_____	T. Penn A"_____
T. Salado 1446’	T. Strawn_____	T. Kirtland _____	T. Penn. "B"_____
T. Castile 2535’	T. Atoka_____	T. Fruitland_____	T. Penn. "C"_____
T. Delaware 4677’	T. Miss_____	T. Pictured Cliffs_____	T. Penn. "D"_____
T. Cherry Canyon 5712’	T. Devonian_____	T. Cliff House_____	T. Leadville_____
T. Brushy Canyon 6962’	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 Springs 8768’	T.Todilto_____	
T. Abo_____	T. 1st Bone Springs	T. Entrada_____	
T. Wolfcamp	T. 2nd Bone Springs	T. Wingate_____	
T. Penn_____	T. 3rd Bone Springs	T. Chinle_____	
T. Cisco (Bough C)_____	T.	T. Permian_____	

OIL OR GAS SANDS OR ZONES

No. 1, from……..…..…..to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

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

No. 1, from……..to……feet……

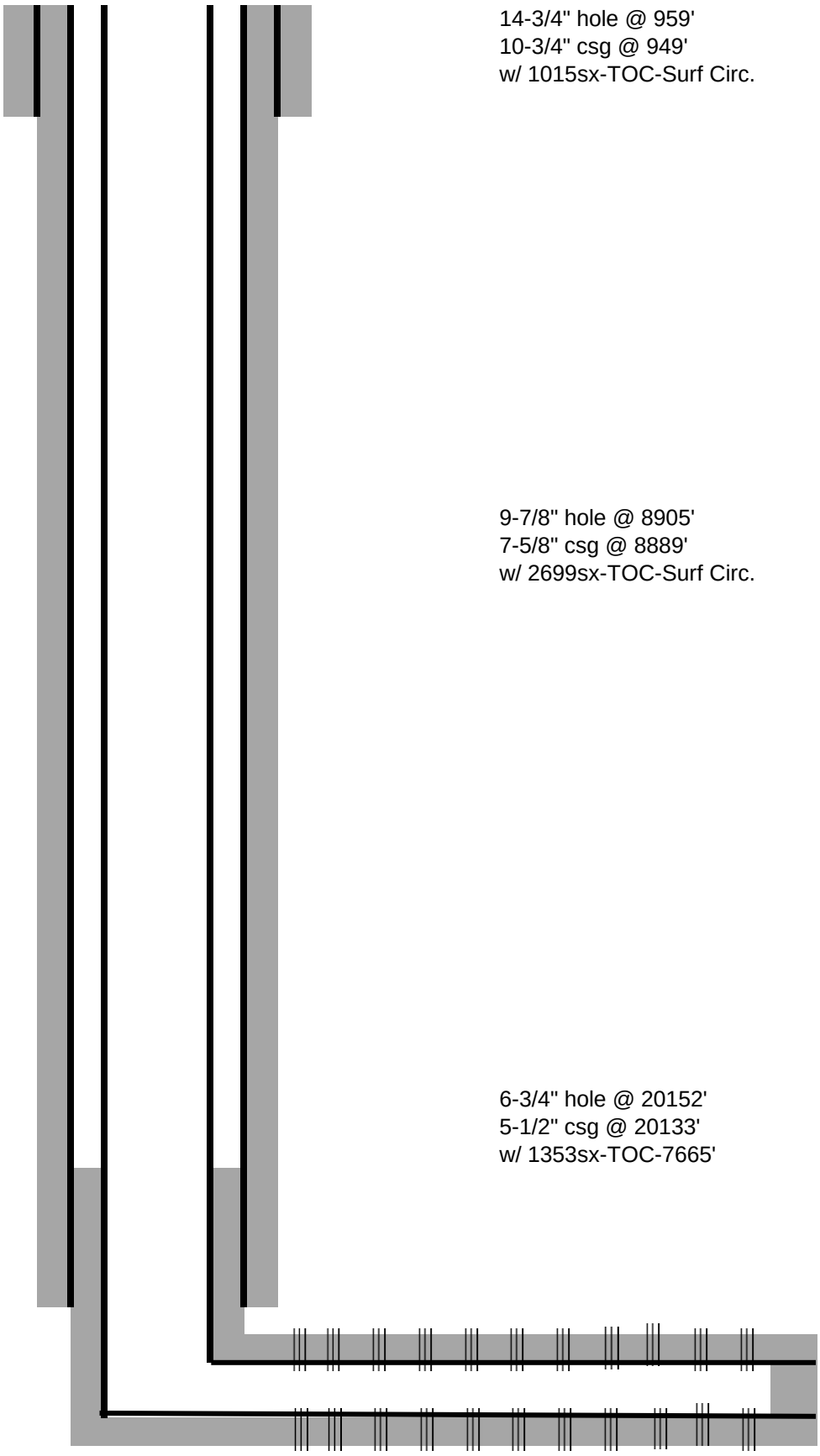
No. 2, from……..to……feet……

No. 3, from……..to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

OXY USA Inc.
MESA VERDE BONE SPRING UNIT 44H
API No. 30-025-48814



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

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 211984
	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
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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 211984

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 211984
	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.	5/1/2023