

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 **RECEIVED**
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
MAR 10 2020

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

EMNRD-OCD ARTESIA

☒ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-46401	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 321633	Property Name OXBOW CC "17-8" FEDERAL COM	Well Number 38H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2936.3'

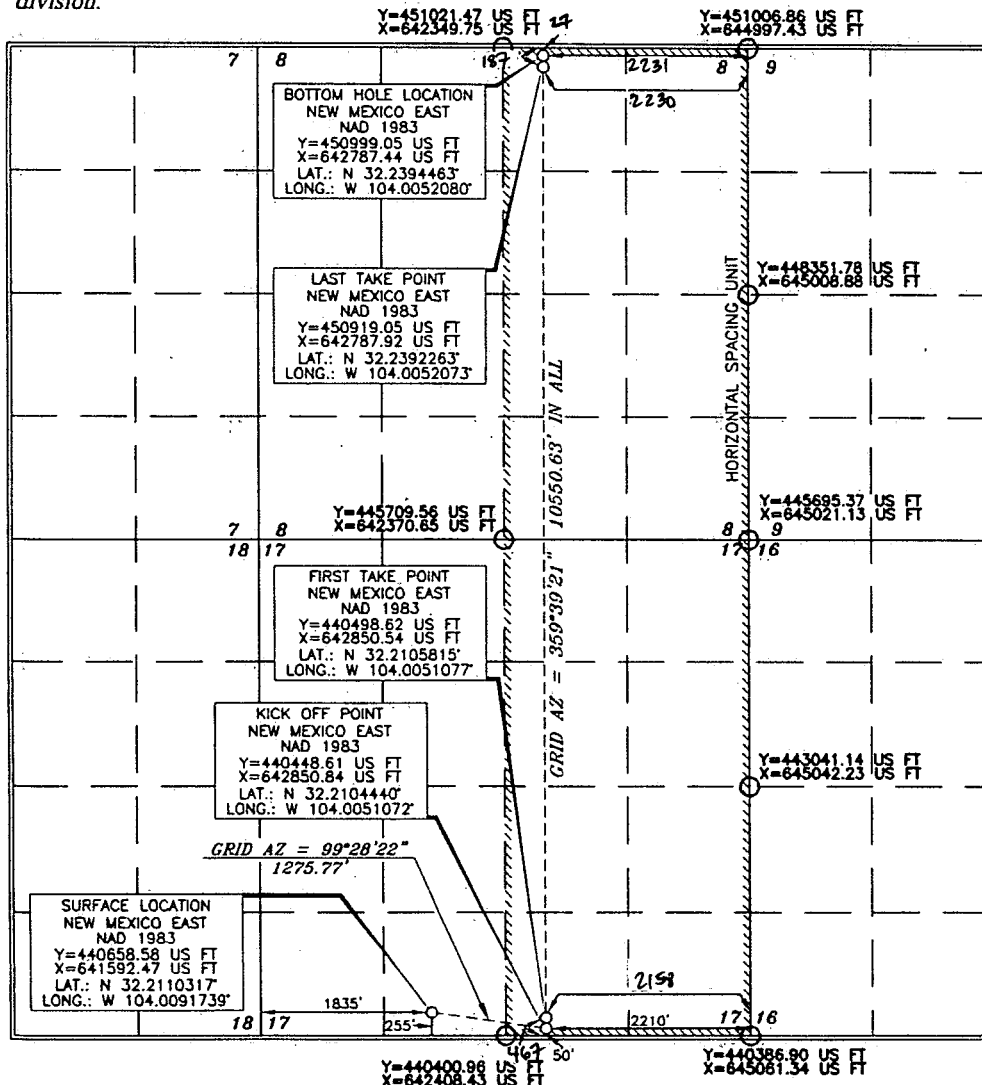
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	17	24 SOUTH	29 EAST, N.M.P.M.		255'	SOUTH	1835'	WEST	EDDY

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
B	8	24 SOUTH	29 EAST, N.M.P.M.		20' 27"	NORTH	2231'	EAST	EDDY
Dedicated Acres 640	Joint or Infill Y	Consolidation Code	Order No. FTP-467 FSL 2158 FEL NSL-7945 LTP-187 FNL 2230 FEL						

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.



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: **Jana Mendiola** Date: **3/9/20**
Printed Name: **Jana Mendiola**
E-mail Address: **janalyn_mendiola@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from a true copy of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

Signature: **ERRY J. AS...** Date: **NOVEMBER 26, 2018**
Certificate Number: **15079**

Signature: **ERRY J. AS...** Date: **4/29/2019**
Certificate Number: **15079**

RW 4-28-20

RECEIVED

MAR 10 2020

Intent ☐ As Drilled ☒

EMNRD-OCDARTESIA

API #
30-015-46401

Operator Name: OXY USA INC.	Property Name: OXBOW CC 17-8 FEDERAL COM	Well Number 38H
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Kick Off Point (KOP)

UL O	Section 17	Township 24S	Range 29E	Lot	Feet 81	From N/S S	Feet 2398	From E/W E	County EDDY
Latitude 32.21010					Longitude -104.00579			NAD NAD83	

First Take Point (FTP)

UL O	Section 17	Township 24S	Range 29E	Lot	Feet 467	From N/S S	Feet 2158	From E/W E	County EDDY
Latitude 32.21160					Longitude -104.00501			NAD NAD83	

Last Take Point (LTP)

UL B	Section 8	Township 24S	Range 29E	Lot	Feet 187	From N/S N	Feet 2230	From E/W E	County EDDY
Latitude 32.23900					Longitude -104.00514			NAD NAD83	

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

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

RECEIVED

MAR 10 2020

EMNRD-OCDARTESIA

February 6, 2020

Oxy USA Incorporated
5 Greenway Plaza, Suite 110
Houston, TX 77046

Re:

S17, T24S, R29E Eddy, NM
N 32.2110317 W -104.0091739

CLIENT: Oxy USA Incorporated
WELL: Oxbow CC 17-8 Fed Com 38H
FIELD: Purple Sage Wolfcamp

RIG: H&P 556
COUNTY: Eddy
API NO: 30-015-46401
JOB NO: 19MLH0379

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Cody Jacks FE	Oxbow CC 17-8 Fed Com 38H Original Hole	561.00 Ft 20421.00 Ft	December 29, 2019 to January 27, 2020	Extreme 3rd Party Corrected

Oilfield Services Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

Well Reference:

S17, T24S, R29E Eddy, NM
N 32.2110317 W -104.0091739

I, Cody Jacks certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of December 29, 2019 through January 27, 2020, conduct or supervise the taking of the Extreme & 3rd Party Corrected surveys from a depth of 561.00 feet to a depth of 20421.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Oxy USA Incorporated for the Oxbow CC 17-8 Fed Com 38H Well (Original Hole) API No. 30-015-46401 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Cody Jacks
FE

Cody Jacks

Subscribed and Sworn to before me this 6 day of February (month) 2020 (yr)

My Commission expires:

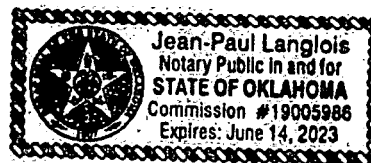
6/14/23

Notary Public

Jean-Paul Langlois

(signature)

(County State)





Oxy Oxbow CC 17-8 Federal Com 38H Gyro + MWD 0-20446' MD Survey

Geodetic Report

(Def Survey)



Report Date: January 28, 2020 - 12:30 PM Client: OXY Field: NM Eddy County (NAD 83) Structure / Slot: Oxy Oxbow CC 17-8 Federal Com 38H / Oxy Oxbow CC 17-8 Federal Com 38H Well: Oxy Oxbow CC 17-8 Federal Com 38H Borehole: Original Borehole UWM / API#: Unknown / 30-015-46401 Survey Name: Oxy Oxbow CC 17-8 Federal Com 38H Gyro + MWD 0-20446' MD Survey Date: December 20, 2019 Tort / AHD / DDI / ERD Ratio: 312.539' / 11874.698 ft / 6.885 / 1.201 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 12' 39.71414" W 104° 0' 33.02585" Location Grid N/E Y/X: N 440658.580 RUS, E 641592.470 RUS CRS Grid Convergence Angle: 0.1728° Grid Scale Factor: 0.9999206 Version / Patch: 2.10.782.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 6.592° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB = 30ft TVD Reference Elevation: 2966.300 ft above MSL Seabed / Ground Elevation: 2936.300 ft above MSL Magnetic Declination: 6.877° Total Gravity Field Strength: 998.4674 mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47835.800 nT Magnetic Dip Angle: 59.916° Declination Date: January 18, 2020 Magnetic Declination Model: IFR1 North Reference: Grid North Grid Convergence Used: 0.1728° Total Corr Mag North->Grid North: 6.7042° Local Coord Referenced To: Well Head	
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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 SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	440658.58	641592.47	N 32 12 39.71 W 104	0 33.03
	30.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	440658.58	641592.47	N 32 12 39.71 W 104	0 33.03
Last Gyro	117.00	0.78	56.09	117.00	0.38	0.33	0.49	0.90	440658.91	641592.96	N 32 12 39.72 W 104	0 33.02
	199.70	1.06	36.59	199.69	1.41	1.26	1.41	0.50	440659.84	641593.88	N 32 12 39.73 W 104	0 33.01
	285.60	1.02	29.25	285.57	2.81	2.56	2.26	0.16	440661.14	641594.73	N 32 12 39.74 W 104	0 33.00
	380.20	0.68	25.83	380.16	4.11	3.80	2.92	0.36	440662.38	641595.39	N 32 12 39.75 W 104	0 32.99
	475.70	0.22	18.83	475.66	4.83	4.49	3.22	0.48	440663.07	641595.69	N 32 12 39.76 W 104	0 32.99
	561.00	0.02	106.84	560.96	4.99	4.64	3.29	0.26	440663.22	641595.76	N 32 12 39.76 W 104	0 32.99
	621.00	0.09	252.49	620.96	4.96	4.62	3.26	0.18	440663.20	641595.73	N 32 12 39.76 W 104	0 32.99
	742.00	0.05	161.43	741.96	4.88	4.54	3.18	0.09	440663.12	641595.65	N 32 12 39.76 W 104	0 32.99
	834.00	0.08	273.65	833.96	4.84	4.51	3.13	0.12	440663.09	641595.60	N 32 12 39.76 W 104	0 32.99
	925.00	0.05	97.10	924.96	4.83	4.51	3.11	0.14	440663.09	641595.58	N 32 12 39.76 W 104	0 32.99
	1016.00	0.58	125.85	1015.96	4.61	4.23	3.52	0.59	440662.81	641595.99	N 32 12 39.76 W 104	0 32.98
	1106.00	0.07	289.59	1105.96	4.40	3.98	3.84	0.72	440662.56	641596.31	N 32 12 39.75 W 104	0 32.98
	1197.00	0.02	102.88	1196.96	4.41	4.00	3.80	0.10	440662.58	641596.27	N 32 12 39.75 W 104	0 32.98
	1288.00	0.06	331.52	1287.96	4.45	4.04	3.79	0.08	440662.62	641596.26	N 32 12 39.75 W 104	0 32.98
	1378.00	0.10	211.07	1377.96	4.41	4.01	3.73	0.16	440662.59	641596.20	N 32 12 39.75 W 104	0 32.98
	1468.00	0.23	285.60	1467.96	4.37	3.99	3.52	0.25	440662.57	641595.99	N 32 12 39.75 W 104	0 32.98
	1559.00	0.11	9.31	1558.95	4.49	4.13	3.35	0.27	440662.71	641595.82	N 32 12 39.75 W 104	0 32.99
	1651.00	0.33	2.07	1650.95	4.84	4.48	3.38	0.24	440663.06	641595.85	N 32 12 39.76 W 104	0 32.99
	1746.00	0.37	68.48	1745.95	5.26	4.87	3.67	0.41	440663.45	641596.14	N 32 12 39.76 W 104	0 32.98
	1840.00	0.05	54.29	1839.95	5.43	5.00	3.99	0.34	440663.58	641596.46	N 32 12 39.76 W 104	0 32.98
	1935.00	0.16	7.05	1934.95	5.59	5.16	4.04	0.14	440663.74	641596.51	N 32 12 39.77 W 104	0 32.98
	2029.00	0.09	130.49	2028.95	5.68	5.24	4.11	0.24	440663.82	641596.58	N 32 12 39.77 W 104	0 32.98
	2124.00	0.06	254.47	2123.95	5.62	5.18	4.12	0.14	440663.76	641596.59	N 32 12 39.77 W 104	0 32.98
	2219.00	0.04	252.55	2218.95	5.58	5.15	4.04	0.02	440663.73	641596.51	N 32 12 39.77 W 104	0 32.98
	2313.00	0.29	91.61	2312.95	5.59	5.14	4.25	0.35	440663.72	641596.72	N 32 12 39.76 W 104	0 32.98
	2407.00	0.07	248.70	2406.95	5.59	5.11	4.43	0.38	440663.69	641596.90	N 32 12 39.76 W 104	0 32.97
	2502.00	0.06	243.26	2501.95	5.53	5.07	4.33	0.01	440663.65	641596.80	N 32 12 39.76 W 104	0 32.98
	2597.00	0.08	235.90	2596.95	5.46	5.01	4.23	0.02	440663.59	641596.70	N 32 12 39.76 W 104	0 32.98
2691.00	0.09	229.29	2690.95	5.36	4.92	4.12	0.01	440663.50	641596.59	N 32 12 39.76 W 104	0 32.98	
2786.00	0.02	15.31	2785.95	5.32	4.89	4.07	0.11	440663.47	641596.54	N 32 12 39.76 W 104	0 32.98	
2880.00	0.01	268.24	2879.95	5.34	4.91	4.07	0.03	440663.49	641596.54	N 32 12 39.76 W 104	0 32.98	
2975.00	0.02	152.60	2974.95	5.32	4.89	4.07	0.03	440663.47	641596.54	N 32 12 39.76 W 104	0 32.98	
3069.00	0.04	332.81	3068.95	5.34	4.91	4.06	0.06	440663.48	641596.53	N 32 12 39.76 W 104	0 32.98	
3164.00	0.01	218.54	3163.95	5.36	4.93	4.04	0.05	440663.51	641596.51	N 32 12 39.76 W 104	0 32.98	
3258.00	0.06	133.72	3257.95	5.32	4.89	4.07	0.06	440663.47	641596.54	N 32 12 39.76 W 104	0 32.98	
3353.00	0.15	264.72	3352.95	5.27	4.84	3.98	0.20	440663.42	641596.45	N 32 12 39.76 W 104	0 32.98	
3448.00	0.67	110.65	3447.95	5.11	4.63	4.38	0.85	440663.21	641596.85	N 32 12 39.76 W 104	0 32.97	
3542.00	1.42	99.50	3541.93	4.91	4.25	6.04	0.82	440662.83	641598.51	N 32 12 39.76 W 104	0 32.96	
3637.00	1.26	95.79	3636.91	4.87	3.95	8.24	0.19	440662.53	641600.71	N 32 12 39.75 W 104	0 32.93	
3731.00	1.76	88.84	3730.87	5.08	3.87	10.71	0.57	440662.45	641603.18	N 32 12 39.75 W 104	0 32.90	
3826.00	3.44	95.63	3825.77	5.32	3.62	15.01	1.79	440662.20	641607.48	N 32 12 39.75 W 104	0 32.85	
3921.00	4.91	98.86	3920.52	5.21	2.72	21.86	1.57	440661.30	641614.33	N 32 12 39.74 W 104	0 32.77	
4015.00	7.10	100.72	4014.00	4.63	1.02	31.54	2.34	440659.60	641624.01	N 32 12 39.72 W 104	0 32.66	
4110.00	9.25	99.89	4108.03	3.77	-1.39	44.84	2.27	440657.19	641637.30	N 32 12 39.70 W 104	0 32.50	
4204.00	10.42	98.50	4200.64	3.05	-3.94	60.69	1.27	440654.54	641653.15	N 32 12 39.67 W 104	0 32.32	
4299.00	10.88	98.17	4294.01	2.52	-6.48	78.06	0.49	440652.10	641670.52	N 32 12 39.65 W 104	0 32.12	
4393.00	11.07	98.30	4386.29	2.01	-9.05	95.77	0.20	440649.53	641688.23	N 32 12 39.62 W 104	0 31.91	
4488.00	10.96	99.00	4479.54	1.35	-11.78	113.71	0.18	440646.80	641706.17	N 32 12 39.59 W 104	0 31.70	
4583.00	11.45	99.25	4572.73	0.54	-14.71	131.94	0.52	440643.88	641724.40	N 32 12 39.56 W 104	0 31.49	
4677.00	12.23	99.90	4664.72	-0.47	-17.92	150.96	0.84	440640.66	641743.42	N 32 12 39.53 W 104	0 31.27	
4772.00	12.71	99.85	4757.48	-1.64	-21.43	171.17	0.51	440637.15	641763.62	N 32 12 39.50 W 104	0 31.03	
4867.00	12.37	100.01	4850.22	-2.84	-24.99	191.48	0.36	440633.59	641783.94	N 32 12 39.46 W 104	0 30.80	
4961.00	12.02	99.77	4942.10	-3.99	-28.40	211.05	0.38	440630.18	641803.50	N 32 12 39.43 W 104	0 30.57	
5056.00	12.12	102.88	5035.00	-5.63	-32.30	230.52	0.69	440626.28	641822.97	N 32 12 39.39 W 104	0 30.34	
5150.00	12.54	105.65	5126.83	-8.32	-37.26	249.96	0.77	440621.33	641842.41	N 32 12 39.34 W 104	0 30.12	
5245.00	12.92	109.34	5219.50	-12.28	-43.56	269.92	0.94	440615.03	641862.36	N 32 12 39.28 W 104	0 29.89	
5339.00	12.33	108.94	5311.22	-16.75	-50.29	289.32	0.63	440608.29	641881.77	N 32 12 39.21 W 104	0 29.66	
5434.00	11.78	105.53	5404.13	-20.42	-56.18	308.26	0.95	440602.40	641900.71	N 32 12 39.15 W 104	0 29.44	
5528.00	13.05	103.98	5495.93	-23.28	-61.32	327.81	1.40	440597.27	641920.25	N 32 12 39.10 W 104	0 29.21	
5623.00	12.11	102.98	5588.65	-25.77	-66.15	347.92	1.02	440592.44	641940.37	N 32 12 39.05 W 104	0 28.98	
5717.00	12.79	104.73	5680.44	-28.34	-71.01	367.60	0.83	440587.58	641960.04	N 32 12 39.00 W 104	0 28.75	
5812.00	12.38	105.12	5773.15	-31.34	-76.34	387.60	0.44	440582.25	641980.04	N 32 12 38.95 W 104	0 28.52	
5906.00	12.46	106.82	5864.95	-34.63	-81.90	407.03	0.40	440576.69	641999.47	N 32 12 38.89 W 104	0 28.29	
6001.00	12.46	109.40	5957.72	-38.72	-88.27	426.51	0.59	440570.32	642018.94	N 32 12 38.83 W 104	0 28.06	
6096.00	12.47	110.27	6050.48	-43.42	-95.23	445.80	0.20	440563.36	642038.23	N 32 12 38.76 W 104	0 27.84	
6190.00	12.50	114.56	6142.26	-48.96	-102.97	464.57	0.99	440555.62	642057.00	N 32 12 38.68 W 104	0 27.62	
6285.00	12.14	116.86	6235.07	-55.59	-111.76	482.83	0.64	440546.83	642075.26	N 32 12 38.59 W 104	0 27.41	
6379.00	12.24	120.70	6326.95	-63.08	-121.31	500.22	0.87	440537.28	642092.65	N 32 12 38.50 W 104	0 27.21	
6474.00	12.32	123.12	6419.78	-71.72	-131.99	517.37	0.55	440526.60	642109.79	N 32 12 38.39 W 104	0 27.01	
6569.00	12.29	122.53	6512.60	-80.67	-142.96	534.38	0.14	440515.63	642126.81	N 32 12 38.28 W 104	0 26.81	
6663.00	11.44	122.34	6604.59	-89.10	-153.33	550.69	0.91	440505.26	642143.12	N 32 12 38.18 W 104	0 26.62	
6758.00	11.25	119.24	6697.73	-96.76	-162.90	566.74	0.67	440495.70	642159.16	N 32 12 38.09 W 104	0 26.44	
6853.00	10.33	118.18	6791.05	-103.46	-171.45	582.33	0.99	440487.15	642174.75	N 32 12 38.00 W 104	0 26.25	
6947.00	9.27	119.02	6883.68	-109.45	-179.10	596.38	1.14	440479.49	642188.80	N 32 12 37.92 W 104	0 26.09	
7045.00	7.02	124.70	6980.68	-115.29	-186.34	608.21	2.44	440472.26	642200.63	N 32 12 37.85 W 104	0 25.95	
7140.00	6.56	127.95	7075.02	-120.84	-192.98	617.26	0.63					

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	7234.00	7.76	130.27	7168.28	-127.16	-200.39	626.34	1.31	440458.21	642218.76	N 32 12 37.71 W 104	0 25.74
	7329.00	9.17	124.31	7262.25	-134.24	-208.80	637.48	1.75	440449.80	642229.90	N 32 12 37.63 W 104	0 25.61
	7424.00	10.14	117.79	7355.90	-140.78	-216.98	651.13	1.54	440441.63	642243.55	N 32 12 37.55 W 104	0 25.45
	7518.00	11.64	117.35	7448.21	-147.13	-225.18	666.88	1.60	440433.42	642259.29	N 32 12 37.47 W 104	0 25.27
	7613.00	13.08	120.87	7541.01	-154.95	-235.10	684.62	1.71	440423.50	642277.03	N 32 12 37.37 W 104	0 25.07
	7707.00	14.44	113.44	7632.31	-162.72	-245.22	704.50	2.37	440413.38	642296.92	N 32 12 37.27 W 104	0 24.83
	7802.00	13.34	109.44	7724.54	-168.59	-253.58	725.71	1.54	440405.02	642318.12	N 32 12 37.18 W 104	0 24.59
	7897.00	12.57	116.27	7817.12	-174.51	-261.80	745.31	1.80	440396.80	642337.72	N 32 12 37.10 W 104	0 24.36
	7991.00	12.31	118.13	7908.92	-181.63	-271.06	763.32	0.51	440387.55	642355.73	N 32 12 37.01 W 104	0 24.15
	8086.00	14.47	121.62	8001.33	-190.38	-282.05	782.36	2.43	440376.55	642374.77	N 32 12 36.90 W 104	0 23.93
	8180.00	15.60	119.53	8092.11	-200.27	-294.44	803.36	1.33	440364.16	642395.77	N 32 12 36.78 W 104	0 23.69
	8275.00	13.93	110.56	8183.98	-208.01	-304.76	825.19	2.98	440353.85	642417.59	N 32 12 36.67 W 104	0 23.43
	8370.00	12.74	102.69	8276.43	-211.88	-311.07	846.12	2.28	440347.53	642438.52	N 32 12 36.61 W 104	0 23.19
	8465.00	13.67	96.85	8368.92	-213.05	-314.71	867.48	1.71	440343.89	642459.88	N 32 12 36.57 W 104	0 22.94
	8559.00	14.51	93.74	8460.09	-212.51	-316.81	890.26	1.20	440341.80	642482.66	N 32 12 36.55 W 104	0 22.68
	8654.00	16.22	96.30	8551.69	-211.85	-319.04	915.33	1.94	440339.57	642507.72	N 32 12 36.53 W 104	0 22.38
	8749.00	16.15	96.05	8642.93	-211.66	-321.89	941.65	0.10	440336.72	642534.05	N 32 12 36.50 W 104	0 22.08
	8843.00	14.73	92.04	8733.54	-210.59	-323.69	966.60	1.89	440334.92	642558.99	N 32 12 36.48 W 104	0 21.79
	8938.00	10.56	88.50	8826.21	-208.40	-323.89	987.38	4.46	440334.71	642579.77	N 32 12 36.48 W 104	0 21.55
	9032.00	8.98	96.31	8918.85	-207.15	-324.47	1003.28	2.19	440334.13	642595.67	N 32 12 36.47 W 104	0 21.36
	9127.00	9.23	105.21	9012.66	-208.26	-327.29	1018.01	1.50	440331.32	642610.39	N 32 12 36.45 W 104	0 21.19
	9221.00	9.26	108.41	9105.44	-210.94	-331.65	1032.46	0.55	440326.95	642624.84	N 32 12 36.40 W 104	0 21.02
	9309.00	10.12	106.68	9192.18	-213.74	-336.11	1046.58	1.03	440322.50	642638.97	N 32 12 36.36 W 104	0 20.86
	9398.00	12.17	77.43	9279.57	-212.03	-336.31	1063.24	6.67	440322.30	642655.63	N 32 12 36.35 W 104	0 20.66
	9492.00	14.42	44.34	9371.17	-199.50	-325.77	1081.12	8.31	440332.84	642673.50	N 32 12 36.48 W 104	0 20.45
	9587.00	20.38	27.99	9461.84	-174.71	-302.67	1097.18	8.06	440355.94	642689.56	N 32 12 36.69 W 104	0 20.27
	9682.00	27.25	24.20	9548.70	-138.53	-268.18	1113.88	7.41	440390.42	642706.26	N 32 12 37.03 W 104	0 20.07
	9703.00	29.43	23.60	9567.18	-129.02	-259.06	1117.91	10.48	440399.54	642710.29	N 32 12 37.12 W 104	0 20.02
	9777.00	37.14	21.99	9629.00	-90.03	-221.63	1133.58	10.48	440436.97	642725.96	N 32 12 37.49 W 104	0 19.84
	9872.00	47.44	17.21	9699.20	-27.81	-161.44	1154.73	11.35	440497.15	642747.11	N 32 12 38.08 W 104	0 19.59
	9875.00	47.67	17.25	9701.22	-25.64	-159.33	1155.39	7.80	440499.27	642747.76	N 32 12 38.10 W 104	0 19.58
	9966.00	54.71	18.46	9758.22	43.85	-91.89	1177.15	7.80	440566.70	642769.53	N 32 12 38.77 W 104	0 19.33
	10061.00	65.46	23.19	9805.55	123.47	-15.14	1206.54	12.11	440643.45	642798.92	N 32 12 39.53 W 104	0 18.98
	10131.81	74.45	24.82	9829.80	186.87	45.56	1233.60	12.87	440704.13	642825.97	N 32 12 40.13 W 104	0 18.67
	10155.00	77.39	25.32	9835.44	208.20	65.93	1243.13	12.87	440724.50	642835.50	N 32 12 40.33 W 104	0 18.55
	10250.00	81.72	16.04	9852.70	298.70	153.23	1276.03	10.63	440811.80	642868.40	N 32 12 41.19 W 104	0 18.17
	10345.00	85.81	0.31	9863.08	392.78	246.39	1289.36	17.01	440904.95	642881.73	N 32 12 42.11 W 104	0 18.01
	10439.00	92.07	350.91	9864.82	484.89	339.95	1282.17	12.01	440998.50	642874.54	N 32 12 43.04 W 104	0 18.09
	10548.00	93.59	351.76	9859.44	589.92	447.57	1265.77	1.60	441106.11	642858.14	N 32 12 44.10 W 104	0 18.28
	10640.00	92.73	353.35	9854.36	679.03	538.65	1253.87	1.96	441197.19	642846.24	N 32 12 45.01 W 104	0 18.41
	10733.00	90.41	352.99	9851.82	769.45	630.95	1242.81	2.52	441289.48	642835.18	N 32 12 45.92 W 104	0 18.54
	10825.00	88.59	354.71	9852.62	859.18	722.41	1232.96	2.72	441380.93	642825.33	N 32 12 46.83 W 104	0 18.65
	10917.00	86.78	355.43	9856.34	948.24	813.99	1225.06	2.12	441472.51	642817.43	N 32 12 47.73 W 104	0 18.74
	11009.00	90.31	359.47	9858.67	1040.01	905.84	1220.97	5.83	441564.34	642813.34	N 32 12 48.64 W 104	0 18.78
	11102.00	89.72	1.62	9858.65	1132.49	998.83	1221.86	2.40	441657.33	642814.23	N 32 12 49.56 W 104	0 18.77
	11195.00	89.33	4.37	9859.42	1225.30	1091.69	1226.71	2.99	441750.18	642819.08	N 32 12 50.48 W 104	0 18.71
	11286.00	89.77	4.30	9860.13	1316.22	1182.42	1233.59	0.49	441840.91	642825.96	N 32 12 51.38 W 104	0 18.63
	11378.00	89.23	3.32	9860.94	1408.11	1274.22	1239.70	1.22	441932.69	642832.07	N 32 12 52.29 W 104	0 18.55
	11469.00	90.03	2.14	9861.52	1498.90	1365.11	1244.04	1.57	442023.58	642836.41	N 32 12 53.18 W 104	0 18.50
	11563.00	89.82	2.11	9861.65	1592.61	1459.04	1247.52	0.23	442117.50	642839.89	N 32 12 54.11 W 104	0 18.45
	11655.00	90.72	2.44	9861.21	1684.35	1550.97	1251.18	1.04	442209.42	642843.54	N 32 12 55.02 W 104	0 18.41
	11845.00	89.63	2.22	9860.30	1783.83	1740.80	1259.07	0.47	442399.24	642851.43	N 32 12 56.90 W 104	0 18.31
	11939.00	89.10	1.28	9861.18	1867.50	1834.75	1262.02	1.35	442493.18	642854.39	N 32 12 57.83 W 104	0 18.27
	12034.00	89.38	1.55	9862.44	2062.10	1929.71	1264.36	0.41	442588.13	642856.73	N 32 12 58.77 W 104	0 18.24
	12129.00	89.68	1.22	9863.22	2156.71	2024.68	1266.66	0.47	442683.10	642859.03	N 32 12 59.71 W 104	0 18.21
	12318.00	89.38	359.28	9864.77	2344.53	2213.66	1267.49	1.04	442872.06	642859.85	N 32 13 1.58 W 104	0 18.19
	12507.00	91.15	1.47	9863.90	2532.40	2402.64	1268.72	1.49	443061.02	642861.09	N 32 13 3.45 W 104	0 18.17
	12602.00	90.67	0.86	9862.39	2626.96	2497.61	1270.65	0.82	443155.98	642863.02	N 32 13 4.39 W 104	0 18.15
	12697.00	90.05	0.43	9861.79	2721.45	2592.60	1271.72	0.79	443250.97	642864.09	N 32 13 5.33 W 104	0 18.13
	12792.00	91.17	0.04	9861.61	2815.86	2687.60	1272.11	0.43	443345.96	642864.48	N 32 13 6.27 W 104	0 18.12
	12981.00	89.16	358.48	9862.71	3003.31	2876.57	1269.67	0.98	443534.91	642865.04	N 32 13 8.14 W 104	0 18.15
	13076.00	89.47	356.19	9863.85	3097.06	2971.45	1265.25	2.43	443629.79	642857.62	N 32 13 9.08 W 104	0 18.19
	13266.00	90.65	357.69	9863.65	3284.36	3161.17	1265.11	1.00	443819.50	642847.48	N 32 13 10.96 W 104	0 18.31
	13360.00	88.83	358.67	9864.08	3377.34	3255.13	1262.13	2.20	443913.43	642844.50	N 32 13 11.89 W 104	0 18.34
	13455.00	90.97	0.03	9864.24	3471.58	3350.10	1251.05	2.67	444008.41	642843.42	N 32 13 12.83 W 104	0 18.35
	13550.00	89.97	0.38	9863.46	3565.98	3445.10	1251.39	1.12	444103.40	642843.76	N 32 13 13.77 W 104	0 18.34
	13645.00	88.48	359.56	9864.75	3660.34	3540.09	1251.34	1.79	444198.38	642843.76	N 32 13 14.71 W 104	0 18.34
	13739.00	89.38	0.20	9866.50	3753.67	3634.07	1251.14	1.17	444292.35	642843.51	N 32 13 15.64 W 104	0 18.33
	13834.00	88.69	359.34	9868.10	3847.99	3729.05	1250.76	1.16	444387.33	642843.13	N 32 13 16.58 W 104	0 18.34
	13929.00	88.45	359.35	9870.47	3942.20	3824.02	1249.68	0.25	444482.29	642842.04	N 32 13 17.52 W 104	0 18.34
	14024.00	89.57	0.02	9872.12	4036.49	3919.00	1249.15	1.37	444577.26	642841.52	N 32 13 18.46 W 104	0 18.35
	14118.00	89.87	359.59	9872.57	4129.83	4013.00	1248.83	0.56	444671.25	642841.20	N 32 13 19.39 W 104	0 18.35
	14213.00	90.19	359.82	9872.52	4224.15	4108.00	1248.35	0.41	444766.24	642840.71	N 32 13 20.33 W 104	0 18.35
	14308.00	88.90	0.27	9873.28	4318.52	4202.99	1248.42	1.44	444861.23	642840.79	N 32 13 21.27 W 104	0 18.35
	14403.00	89.41	359.05	9874.68	4412.81	4297.98	1247.86	1.39	444956.21	642840.22	N 32 13 22.21 W 104	0 18.35
	14497.00	90.80	358.27	9874.51	4505.91	4391.95	1245.66	1.70	445050.17	642838.03	N 32 13 23.14 W 104	0 18.37
	14687.00	89.26	359.30	9874.41	4694.14	4581.90	1241.63	0.98	445240.10</			

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 ° ' ")
	17812.00	90.26	358.83	9887.02	7793.77	7706.31	1205.62	0.67	448364.26	642788.00	N 32 13 55.93 W 104	0 18.72
	17906.00	90.17	359.35	9886.67	7886.96	7800.30	1204.13	0.56	448458.24	642786.50	N 32 13 56.86 W 104	0 18.73
	18000.00	89.41	359.38	9887.01	7980.21	7894.29	1203.09	0.81	448552.23	642785.46	N 32 13 57.79 W 104	0 18.74
	18095.00	90.19	359.51	9887.34	8074.47	7989.28	1202.17	0.83	448647.21	642784.54	N 32 13 58.73 W 104	0 18.75
	18190.00	89.03	358.88	9887.99	8168.68	8084.27	1200.83	1.39	448742.19	642783.21	N 32 13 59.67 W 104	0 18.76
	18284.00	90.21	358.76	9888.61	8261.81	8178.25	1198.90	1.26	448836.16	642781.27	N 32 14 0.60 W 104	0 18.78
	18379.00	89.95	359.28	9888.48	8355.98	8273.23	1197.27	0.61	448931.14	642789.65	N 32 14 1.54 W 104	0 18.80
	18474.00	90.21	358.65	9888.35	8450.14	8368.22	1195.56	0.72	449026.12	642787.93	N 32 14 2.48 W 104	0 18.81
	18568.00	92.07	358.95	9888.48	8543.25	8462.17	1193.59	2.00	449120.06	642785.96	N 32 14 3.41 W 104	0 18.83
	18663.00	90.51	358.97	9884.34	8637.38	8557.13	1191.87	1.64	449215.01	642784.24	N 32 14 4.35 W 104	0 18.85
	18852.00	91.14	359.53	9881.62	8824.81	8746.09	1189.39	0.45	449403.96	642781.76	N 32 14 6.22 W 104	0 18.87
	19041.00	90.22	0.97	9879.37	9012.63	8935.07	1190.22	0.90	449592.92	642782.59	N 32 14 8.09 W 104	0 18.86
	19136.00	89.49	1.47	9879.62	9107.22	9030.05	1192.24	0.93	449687.89	642784.61	N 32 14 9.03 W 104	0 18.83
	19324.00	89.52	3.20	9881.24	9294.68	9217.88	1199.90	0.92	449875.71	642792.27	N 32 14 10.89 W 104	0 18.73
	19514.00	90.10	2.83	9881.87	9484.31	9407.61	1209.89	0.36	450065.43	642802.26	N 32 14 12.77 W 104	0 18.61
	19703.00	90.86	359.78	9880.29	9672.48	9596.53	1214.20	1.66	450254.33	642806.57	N 32 14 14.64 W 104	0 18.55
	19893.00	90.88	0.41	9877.40	9861.23	9786.51	1214.51	0.33	450444.29	642806.88	N 32 14 16.52 W 104	0 18.54
	20082.00	91.66	359.61	9873.21	10048.94	9975.46	1214.54	0.59	450633.23	642806.91	N 32 14 18.39 W 104	0 18.54
	20245.00	90.12	0.65	9870.68	10210.88	10138.43	1214.91	1.14	450796.19	642807.28	N 32 14 20.00 W 104	0 18.53
	20365.00	89.93	359.18	9870.63	10330.06	10258.43	1214.74	1.24	450916.17	642807.11	N 32 14 21.19 W 104	0 18.52
100' FNL Crossed	20367.00	89.92	359.19	9870.63	10332.04	10260.43	1214.71	0.77	450918.17	642807.08	N 32 14 21.21 W 104	0 18.52
Final MWD	20421.00	89.77	359.58	9870.77	10385.62	10314.43	1214.13	0.77	450972.17	642806.50	N 32 14 21.74 W 104	0 18.53
Proj to TD	20446.00	89.77	359.58	9870.87	10410.43	10339.43	1213.95	0.00	450997.16	642806.32	N 32 14 21.99 W 104	0 18.53

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	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	30.000	1/98.425	26.400	26.400	GVD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 38H Gyro + MWD 0-20446MD
	1	30.000	30.000	Act Stns	26.400	26.400	GVD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 38H Gyro + MWD 0-20446MD
	1	30.000	475.700	Act Stns	26.400	26.400	GVD_GC+DROP+OH	Original Borehole / Oxy Oxbow CC 17-8 Federal Com 38H Gyro + Original Borehole / Oxy Oxbow
	1	475.700	20446.000	Act Stns	26.400	26.400	A010Mb_MWD+IFR1+SAG+MS	CC 17-8 Federal Com 38H Gyro + MWD 0-20446MD

...Original Borehole\Oxy Oxbow CC 17-8 Federal Com 38H Gyro + MWD 0-20446MD

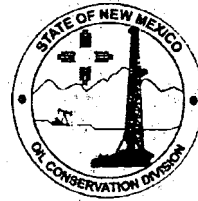
State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Cabinet Secretary

Adrienne E. Sandoval, Director
Oil Conservation Division



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MAR 10 2020

EMNRD-OCDARTESI

October 10, 2019

Ms. Jana Mendiola
janalyn_mendiola@oxy.com

NON-STANDARD LOCATION

Administrative Order NSL-7945

Oxy USA, Inc. [OGRID 16696]
Oxbow CC 17 8 Federal Com Well No. 038H
API No. 30-015-PENDING

Proposed Location

	<u>Footages</u>	<u>Unit/Lot</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	255 FSL & 1835 FWL	N	17	24S	29E	Eddy
First Take Point	100 FSL & 2210 FEL	O	17	24S	29E	Eddy
Last Take Point	100 FNL & 2210 FEL	B	8	24S	29E	Eddy
Terminus	20 FNL & 2210 FWL	B	8	24S	29E	Eddy

Proposed Horizontal Gas Units

<u>Description</u>	<u>Acres</u>	<u>Pool</u>	<u>Pool Code</u>
E2 of Section 17	640	Purple Sage; Wolfcamp (GAS)	98220
E2 of Section 8			

Reference is made to your application received on September 18, 2019.

You have requested to complete this horizontal well as a gas well described above in the referenced pool or formation. This well is governed by special rules for the Purple Sage; Wolfcamp (Gas) Pool of and provides for 320-acre units, with wells located at least 330 feet from a unit outer boundary.

This well's completed interval is as close as 100 feet to the northern and southern edge of the horizontal spacing unit. Encroachment will impact the following tracts.

Section 20, encroachment to the NE/4
Section 5, encroachment to the SE/4

The Division understands you have given notice of this application to all operators or owners who are "affected persons," as defined in Paragraph (8) Subsection A of 19.15.2.7 NMAC, in all adjoining units towards which the proposed location encroaches.

Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the E2 of Section 17 and Section 8.

Your application has been filed under Subsection 6 of Paragraph of Section (C) of 19.15.16.15 NMAC, 19.15.15.13 NMAC and Paragraph (2) of Subsection A of 19.15.4.12 NMAC.

Per Subsection B of 19.15.15.13 NMAC, Division approves this unorthodox location.

The above approvals are subject to your following all other applicable Division rules.

Jurisdiction of this case is retained for the entry of further orders as Division deems necessary.



ADRIENNE E. SANDOVAL
Division Director

AES/lrl

cc: Oil Conservation Division – Artesia District Office
Bureau of Land Management – Carlsbad Field Office