

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

OCD-ARTESIA
REC'D: 5/09/2020 Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-46369	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 321601	Property Name SALT FLAT CC "20_29" FEDERAL COM	Well Number 37H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2935.5'

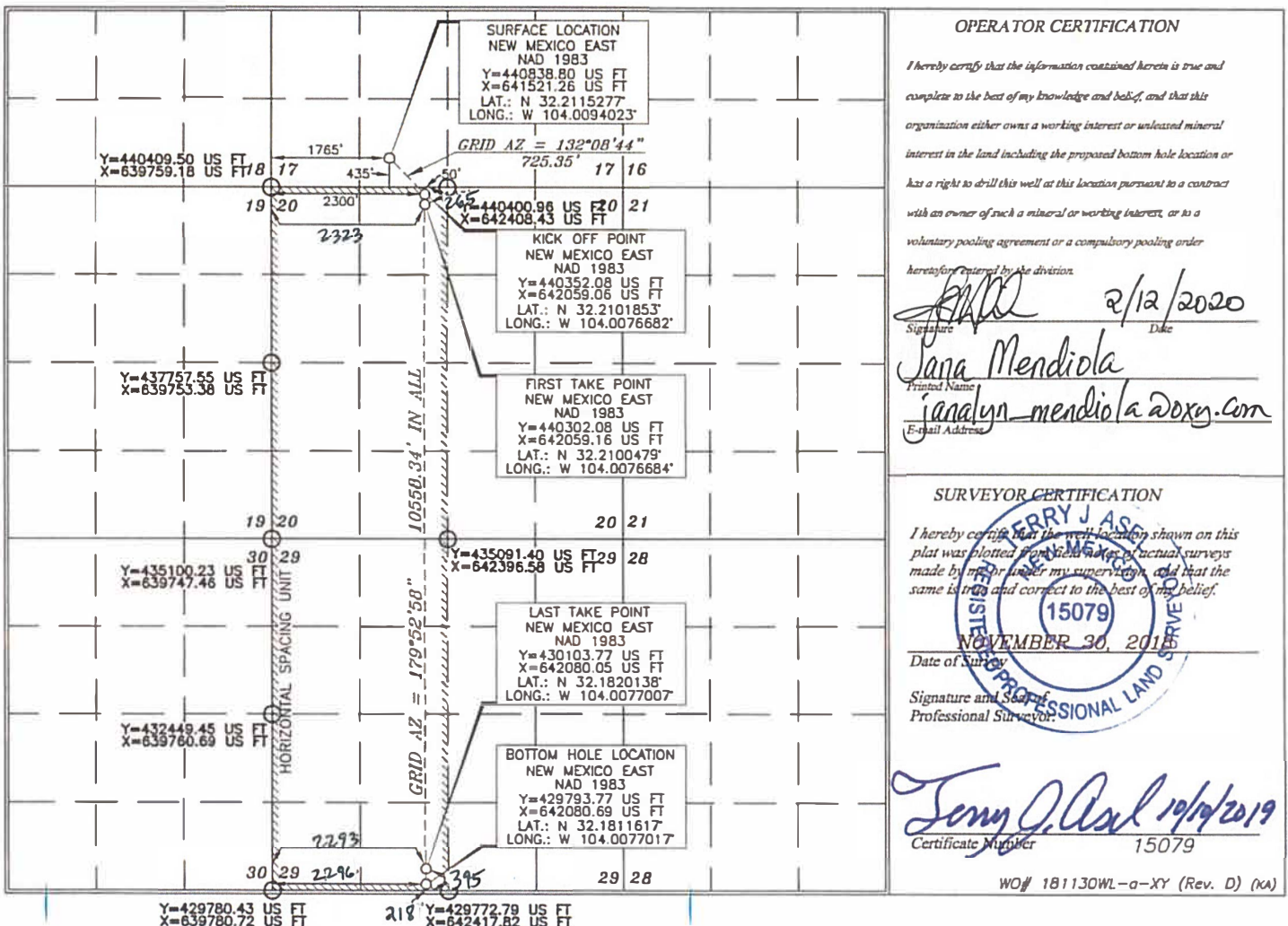
Surface Location

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.		435'	SOUTH	1765'	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
N	29	24 SOUTH	29 EAST, N.M.P.M.		20' 218	SOUTH	2300' 2296	WEST	EDDY
Dedicated Acres 640	Joint or Infill Y	Consolidation Code	Order No. NSL-7950	FTP- 265 FNL 2323 FWL LTP- 345 FSL 2293 FWL					

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.



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

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-120
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

January 3, 2020

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

Re:

S17, T24S, R29E Eddy, NM
N 32.2115277 W -104.0094023

CLIENT: Oxy USA Incorporated
WELL: Salt Flat CC 20 29 Fed Com 37H
FIELD: Purple Sage Wolfcamp

RIG: H&P 556
COUNTY: Eddy
API NO: 30-015-46369
JOB NO: 19MLH0341

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	Salt Flat CC 20 29 Fed Com 37H Original Hole	571.00 Ft to 20338.00 Ft	November 25, 2019 to December 8, 2019	Extreme 3rd Party Corrected

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 32.049055 W -103.649529

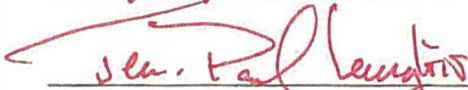
I, Cody Jacks certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of November 25, 2019 through December 08, 2019, conduct or supervise the taking of the Extreme & 3rd Party Corrected surveys from a depth of 571.00 feet to a depth of 20338.00 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 Salt Flat CC 20 29 Fed Com 37H Well (Original Hole) API No. 30-015-46369 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



Subscribed and Sworn to before me this 3 day of January (month) 2020 (yr)

My Commission expires:

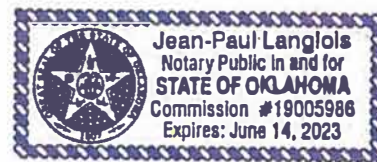
6/14/23

Notary Public

(signature)

Comanche, Oklahoma

(County State)





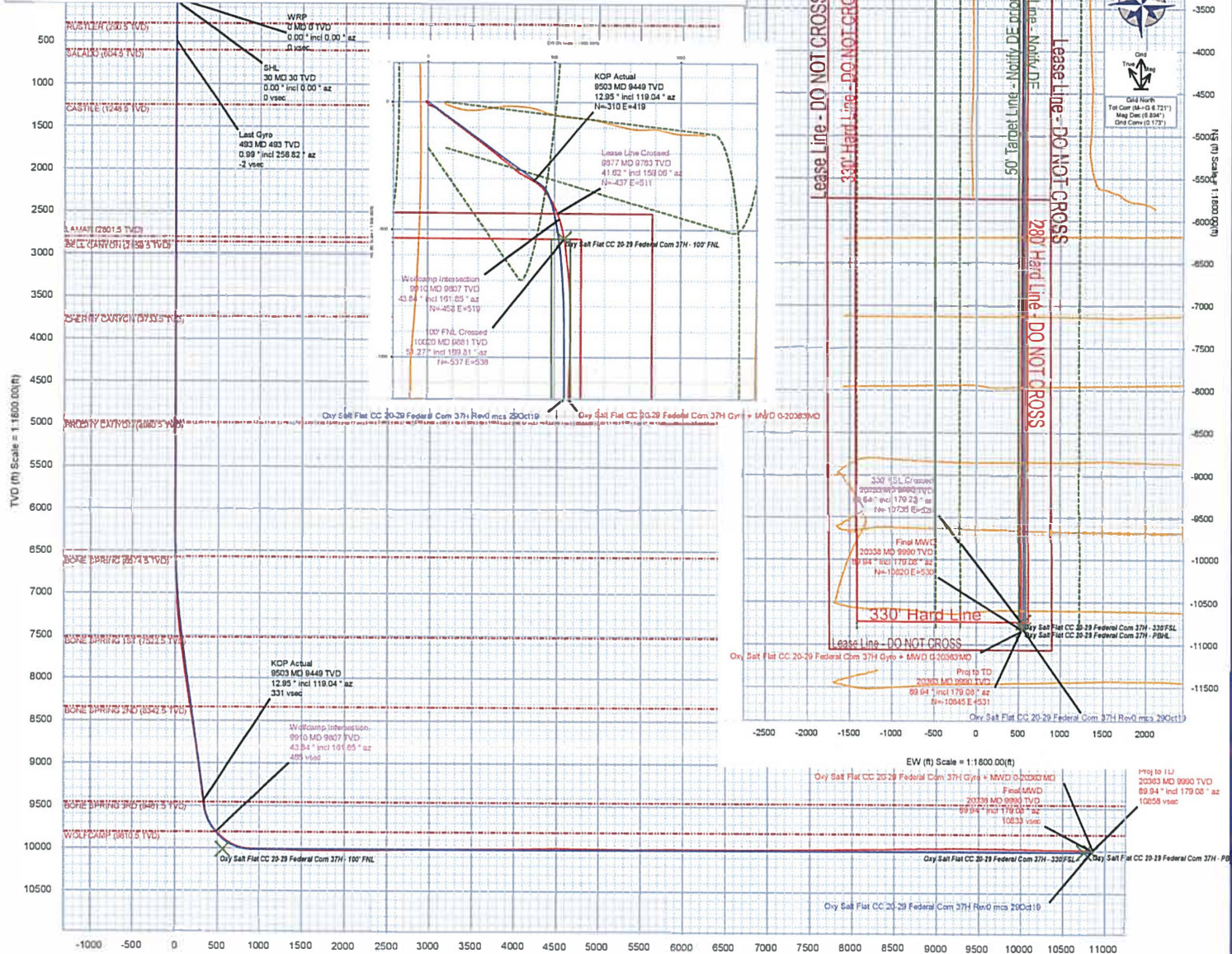
OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Salt Flat CC 20-29 Federal Com 37H	NM Eddy County (NAD 83)	Oxy Salt Flat CC 20-29 Federal Com 37H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	IFR1	Dip:	88.921°	Date:	23-Nov-2018	NAD83 New Mexico State Plane, Eastern Zone, US Feet		Oxy Salt Flat CC 20-29 Federal Com 37H	TVD Ref:	RKB=30'(2965.5ft above MSL)	
MagDec:	8.894°	FS:	47852.2nT	Gravity FS:	998.486mgn (9.80665 Based)	Lat:	N 32 12 41.50	Northing:	440838.97US	Grid Conv:	0.1727°
						Lon:	W 104 0 33.86	Eastng:	641861.28US	Scale Fact:	0.89992059
										Plan:	Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363MD

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	0.00	
SHL	30.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	
Last Gyro	493.00	0.99	256.82	492.97	-1.51	1.25	-5.04	1.16	
KOP Actual	9503.00	12.95	119.04	9449.47	331.21	-310.08	418.65	1.03	
Lease Line Crossed	9877.00	41.62	159.06	9782.52	462.84	-437.12	511.30	10.74	
Wolfcamp Intersection	9910.37	43.84	161.85	9807.00	484.56	-458.48	518.88	8.44	
100' FNL Crossed	10020.00	51.27	169.81	9881.09	563.72	-536.74	538.33	8.92	
Enter Target Box	10305.00	79.37	178.12	10000.45	818.86	-790.93	563.38	12.39	
Enter Target Box	10457.00	87.93	181.16	10012.48	970.04	-942.29	563.71	1.22	
330' FSL Crossed	20253.00	89.64	179.23	9989.76	10748.36	-10735.36	529.02	0.40	
Final MWD	20338.00	89.94	179.08	9990.08	10833.30	-10820.35	530.28	0.40	
Proj to TD	20363.00	89.94	179.08	9990.10	10858.29	-10845.35	530.68	0.00	



Vertical Section (V) Azim = 177.05° Scale = 1:1800.00(ft) Origin = ON-S, 0E/W

Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363'MD Survey Geodetic Report (Def Survey)



Report Date: December 09, 2019 - 12:00 PM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Salt Flat CC 20-29 Federal Com 37H / Oxy Salt Flat CC 20-29 Federal Com 37H
 Well: Oxy Salt Flat CC 20-29 Federal Com 37H
 Borehole: Original Borehole
 UWI / API #: Unknown / 30-015-46369
 Survey Name: Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363'MD
 Survey Date: November 19, 2019
 Tort / AHD / DDI / ERD Ratio: 249.243 ° / 11129.036 ft / 6.751 / 1.110
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 12' 41.49971", W 104° 0' 33.84840"
 Location Grid N/E Y/X: N 440838.800 ftUS, E 641521.260 ftUS
 CRS Grid Convergence Angle: 0.1727 °
 Grid Scale Factor: 0.99992059
 Version / Patch: 2.10.782.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 177.051 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB=30'
 TVD Reference Elevation: 2965.500 ft above MSL
 Seabed / Ground Elevation: 2935.500 ft above MSL
 Magnetic Declination: 6.894 °
 Total Gravity Field Strength: 998.4675mgN (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47852.200 nT
 Magnetic Dip Angle: 59.921 °
 Declination Date: November 23, 2019
 Magnetic Declination Model: IFR1
 North Reference: Grid North
 Grid Convergence Used: 0.1727 °
 Total Corr Mag North → Grid North: 6.7213 °
 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	440838.80	641521.26	N 32 12 41.50 W 104	0 33 85
SHL	30.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	440838.80	641521.26	N 32 12 41.50 W 104	0 33 85
	117.20	0.64	267.46	117.20	0.00	-0.02	-0.49	0.73	440838.78	641520.77	N 32 12 41.50 W 104	0 33 85
	200.00	0.59	312.13	199.99	-0.31	0.24	-1.26	0.57	440839.04	641520.00	N 32 12 41.50 W 104	0 33 86
	285.90	0.84	297.46	285.89	-0.94	0.83	-2.15	0.36	440839.83	641519.11	N 32 12 41.51 W 104	0 33 87
	380.50	0.73	277.49	380.48	-1.40	1.23	-3.36	0.31	440840.03	641517.90	N 32 12 41.51 W 104	0 33 89
	475.00	0.94	268.84	474.97	-1.53	1.29	-4.74	0.26	440840.09	641516.52	N 32 12 41.51 W 104	0 33 90
Last Gyro	493.00	0.99	256.82	492.97	-1.51	1.25	-5.04	1.16	440840.05	641516.23	N 32 12 41.51 W 104	0 33 91
	571.00	0.13	318.58	570.96	-1.46	1.17	-5.75	1.20	440839.97	641515.51	N 32 12 41.51 W 104	0 33 92
	659.00	0.15	253.27	658.96	-1.51	1.21	-5.93	0.17	440840.01	641515.33	N 32 12 41.51 W 104	0 33 92
	747.00	0.15	319.50	746.96	-1.58	1.26	-6.11	0.19	440840.06	641515.15	N 32 12 41.51 W 104	0 33 92
	839.00	0.17	332.29	838.96	-1.79	1.47	-6.25	0.04	440840.27	641515.01	N 32 12 41.51 W 104	0 33 92
	929.00	0.16	212.35	928.96	-1.81	1.49	-6.38	0.32	440840.29	641514.88	N 32 12 41.51 W 104	0 33 92
	1020.00	0.19	67.07	1019.96	-1.76	1.44	-6.31	0.37	440840.24	641514.95	N 32 12 41.51 W 104	0 33 92
	1111.00	0.02	190.29	1110.96	-1.80	1.48	-6.18	0.22	440840.28	641515.09	N 32 12 41.51 W 104	0 33 92
	1202.00	2.49	334.30	1201.93	-3.60	3.25	-7.04	2.75	440842.05	641514.23	N 32 12 41.53 W 104	0 33 93
	1293.00	0.14	317.25	1292.90	-5.51	5.11	-7.97	2.59	440843.91	641513.29	N 32 12 41.55 W 104	0 33 94
	1385.00	0.09	346.18	1384.90	-5.67	5.26	-8.06	0.08	440844.06	641513.20	N 32 12 41.55 W 104	0 33 94
	1475.00	0.16	293.82	1474.90	-5.80	5.38	-8.19	0.14	440844.18	641513.07	N 32 12 41.55 W 104	0 33 94
	1566.00	0.18	323.31	1565.90	-5.97	5.55	-8.40	0.10	440844.35	641512.87	N 32 12 41.55 W 104	0 33 95
	1658.00	0.19	173.34	1657.90	-5.94	5.51	-8.46	0.39	440844.31	641512.80	N 32 12 41.55 W 104	0 33 95
	1752.00	0.06	178.91	1751.90	-5.74	5.31	-8.44	0.14	440844.11	641512.82	N 32 12 41.55 W 104	0 33 95
	1847.00	0.15	296.57	1846.90	-5.75	5.31	-8.56	0.20	440844.11	641512.71	N 32 12 41.55 W 104	0 33 95
	1941.00	0.15	326.00	1940.90	-5.91	5.47	-8.73	0.08	440844.27	641512.71	N 32 12 41.55 W 104	0 33 95
	2036.00	0.14	2.40	2035.90	-6.14	5.69	-8.80	0.10	440844.49	641512.53	N 32 12 41.55 W 104	0 33 95
	2131.00	0.19	198.34	2130.90	-8.10	5.66	-8.84	0.34	440844.46	641512.46	N 32 12 41.56 W 104	0 33 95
	2225.00	0.09	175.51	2224.90	-5.89	5.44	-8.89	0.12	440844.46	641512.42	N 32 12 41.56 W 104	0 33 95
	2320.00	0.15	117.18	2319.90	-5.75	5.30	-8.77	0.13	440844.24	641512.37	N 32 12 41.55 W 104	0 33 95
	2414.00	0.12	208.32	2413.90	-5.60	5.16	-8.71	0.21	440844.10	641512.49	N 32 12 41.55 W 104	0 33 95
	2509.00	0.16	184.48	2508.90	-5.39	4.94	-8.76	0.07	440843.96	641512.55	N 32 12 41.55 W 104	0 33 95
	2603.00	0.02	81.61	2602.90	-5.26	4.81	-8.76	0.18	440843.74	641512.50	N 32 12 41.55 W 104	0 33 95
	2698.00	0.14	210.86	2697.90	-5.16	4.72	-8.80	0.16	440843.61	641512.50	N 32 12 41.55 W 104	0 33 95
	2793.00	0.02	72.57	2792.90	-5.07	4.62	-8.85	0.16	440843.52	641512.46	N 32 12 41.55 W 104	0 33 95
	2887.00	0.08	14.91	2886.90	-5.14	4.69	-8.81	0.08	440843.42	641512.41	N 32 12 41.55 W 104	0 33 95
	2982.00	0.08	62.19	2981.90	-5.23	4.78	-8.74	0.07	440843.49	641512.45	N 32 12 41.55 W 104	0 33 95
	3077.00	0.07	298.76	3076.90	-5.29	4.84	-8.73	0.14	440843.58	641512.52	N 32 12 41.55 W 104	0 33 95
	3171.00	0.04	30.18	3170.90	-5.34	4.90	-8.76	0.09	440843.64	641512.53	N 32 12 41.55 W 104	0 33 95
	3266.00	0.09	51.79	3265.90	-5.41	4.97	-8.69	0.09	440843.70	641512.50	N 32 12 41.55 W 104	0 33 95
	3266.00	0.09	51.79	3265.90	-5.41	4.97	-8.69	0.06	440843.77	641512.57	N 32 12 41.55 W 104	0 33 95
	3361.00	0.14	333.59	3360.90	-5.56	5.12	-8.68	0.16	440843.92	641512.58	N 32 12 41.55 W 104	0 33 95
	3456.00	0.10	246.71	3455.90	-5.64	5.20	-8.81	0.18	440844.00	641512.57	N 32 12 41.55 W 104	0 33 95
	3551.00	0.09	233.18	3550.90	-5.57	5.12	-8.94	0.03	440844.00	641512.45	N 32 12 41.55 W 104	0 33 95
	3645.00	0.09	45.33	3644.90	-5.58	5.13	-8.95	0.19	440843.92	641512.32	N 32 12 41.55 W 104	0 33 95
	3740.00	0.10	211.75	3739.90	-5.58	5.11	-8.95	0.19	440843.93	641512.31	N 32 12 41.55 W 104	0 33 95
	3835.00	0.09	151.08	3834.90	-5.43	4.97	-8.94	0.20	440843.91	641512.32	N 32 12 41.55 W 104	0 33 95
	3929.00	0.13	221.28	3928.90	-5.28	4.83	-8.95	0.10	440843.93	641512.31	N 32 12 41.55 W 104	0 33 95
	4024.00	0.15	170.94	4023.90	-5.08	4.62	-9.04	0.13	440843.77	641512.32	N 32 12 41.55 W 104	0 33 95
	4119.00	0.12	342.40	4118.90	-5.05	4.60	-9.05	0.10	440843.63	641512.28	N 32 12 41.55 W 104	0 33 95
	4214.00	0.10	7.93	4213.90	-5.23	4.77	-9.06	0.13	440843.42	641512.22	N 32 12 41.55 W 104	0 33 95
	4308.00	0.16	248.73	4307.90	-5.27	4.81	-9.18	0.24	440843.40	641512.21	N 32 12 41.55 W 104	0 33 95
	4403.00	0.13	273.69	4402.90	-5.24	4.77	-9.41	0.07	440843.57	641512.20	N 32 12 41.55 W 104	0 33 95
	4498.00	0.08	193.95	4497.90	-5.19	4.71	-9.53	0.15	440843.61	641512.08	N 32 12 41.55 W 104	0 33 96
	4592.00	0.13	230.05	4591.90	-5.06	4.58	-9.63	0.09	440843.56	641511.85	N 32 12 41.55 W 104	0 33 96
	4687.00	0.08	335.38	4686.90	-5.06	4.71	-9.74	0.18	440843.51	641511.73	N 32 12 41.55 W 104	0 33 96
	4782.00	0.13	230.77	4781.90	-5.06	4.58	-9.85	0.09	440843.38	641511.63	N 32 12 41.55 W 104	0 33 96
	4876.00	0.12	46.01	4875.90	-5.06	4.56	-9.86	0.18	440843.37	641511.52	N 32 12 41.55 W 104	0 33 96
	4971.00	0.13	141.80	4970.90	-5.04	4.57	-9.85	0.18	440843.36	641511.41	N 32 12 41.55 W 104	0 33 96
	5066.00	0.10	205.66	5065.90	-4.88	4.38	-9.89	0.27	440843.36	641511.40	N 32 12 41.55 W 104	0 33 96
	5160.00	0.10	139.86	5159.90	-4.74	4.25	-9.88	0.12	440843.34	641511.54	N 32 12 41.54 W 104	0 33 96
	5255.00	0.13	206.16	5254.90	-4.58	4.09	-9.89	0.13	440843.36	641511.40	N 32 12 41.55 W 104	0 33 96
	5350.00	0.09	51.64	5349.90	-4.53	4.04	-9.87	0.14	440843.34	641511.54	N 32 12 41.54 W 104	0 33 96
	5444.00	0.09	107.37	5443.90	-4.55	4.06	-9.87	0.23	440842.89	641511.59	N 32 12 41.54 W 104	0 33 96
	5539.00	0.09	146.89	5538.90	-4.45	4.06	-9.53	0.09	440842.86	641511.73	N 32 12 41.54 W 104	0 33 96
	5633.00	0.11	341.27	5632.90	-4.46	3.98	-9.42	0.06	440842.78	641511.84	N 32 12 41.54 W 104	0 33 96
	5728.00	0.11	29.24	5727.89	-4.48	4.00	-9.41	0.21	440842.80	641511.73	N 32 12 41.54 W 104	0 33 96
	5823.00	0.11	249.99	5822.89	-4.64	4.17	-9.39	0.09	440842.78	641511.85	N 32 12 41.54 W 104	0 33 96
	5917.00	0.10	17.54	5916.89	-4.69	4.21	-9.43	0.22	440842.97	641511.85	N 32 12 41.54 W 104	0 33 96
	6012.00	0.11	68.48	6011.89	-4.74	4.26	-9.49	0.20	440843.01	641511.83	N 32 12 41.54 W 104	0 33 96
	6106.00	0.10	69.28	6105.89	-4.80	4.37	-9.38	0.10	440843.06	641511.77	N 32 12 41.54 W 104	0 33 96
	6201.00	0.08	112.08	6200.89	-4.90	4.44	-9.22	0.01	440843.17	641511.88	N 32 12 41.54 W 104	0 33 96
	6296.00	0.41	154.89	6295.89	-4.90	4.44	-9.08	0.07	440843.24	641512.04	N 32 12 41.54 W 104	0 33 96
	6390.00	1.62	163.92	6389.88	-2.95	2.53	-8.88	0.37	440843.24	641512.18	N 32 12 41.54 W 104	0 33 95
	6485.00	2.85	156.69	6484.81	0.41	-0.78	-7.13	1.29	440842.91	641512.38	N 32 12 41.54 W 104	0 33 95
	6579.00	3.06	148.51	6578.69	4.65	-4.92	-4.95	0.61	440842.33	641512.89	N 32 12 41.52 W 104	0 33 95
	6674.00	2.56	144.80	6673.58	8.68	-8.81	-2.41	1.12	440838.02	641514.14	N 32 12 41.49 W 104	0 33 93
	6769.00	3.31	121.07	6768.46	12.01	-11.96	1.18	0.61	440833.88	641516.31	N 32 12 41.45 W	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N + 17°)	Longitude (W + 117°)
	7052.00	4.21	106.47	7050.83	19.52	-18.58	18.72	0.34	440820.22	641539.98	N 32 12 41.32 W 104	0 33.83
	7147.00	6.22	118.27	7145.43	23.35	-22.01	26.60	2.39	440816.79	641547.85	N 32 12 41.28 W 104	0 33.54
	7241.00	7.98	125.37	7238.71	30.03	-28.20	36.40	2.09	440810.60	641557.66	N 32 12 41.22 W 104	0 33.43
	7336.00	8.42	129.03	7332.74	38.78	-36.40	47.18	0.72	440802.41	641568.44	N 32 12 41.14 W 104	0 33.30
	7431.00	9.57	128.03	7426.57	48.61	-45.64	58.81	1.22	440793.16	641580.06	N 32 12 41.05 W 104	0 33.17
	7525.00	11.97	126.25	7518.91	59.89	-56.22	72.83	2.58	440782.58	641594.08	N 32 12 40.94 W 104	0 33.00
	7620.00	12.48	126.72	7611.75	72.67	-68.18	89.00	0.55	440770.62	641610.25	N 32 12 40.82 W 104	0 32.81
	7714.00	12.45	127.44	7703.54	85.72	-80.42	105.18	0.17	440758.39	641626.44	N 32 12 40.70 W 104	0 32.63
	7809.00	12.58	127.68	7796.28	99.09	-92.97	121.50	0.15	440745.84	641642.75	N 32 12 40.58 W 104	0 32.44
	7904.00	13.35	126.22	7888.86	112.76	-105.77	138.54	0.88	440733.04	641659.79	N 32 12 40.45 W 104	0 32.24
	7998.00	13.24	125.05	7980.34	126.24	-118.36	156.11	0.31	440720.45	641677.35	N 32 12 40.32 W 104	0 32.04
	8093.00	13.36	126.63	8072.79	139.93	-131.16	173.82	0.40	440707.65	641695.07	N 32 12 40.20 W 104	0 31.83
	8187.00	12.97	127.12	8164.32	153.64	-144.01	190.95	0.43	440694.81	641712.19	N 32 12 40.07 W 104	0 31.63
	8282.00	12.83	128.87	8256.92	167.53	-157.06	207.66	0.44	440681.75	641728.90	N 32 12 39.94 W 104	0 31.44
	8376.00	13.45	127.63	8348.46	181.60	-170.28	224.45	0.72	440668.53	641745.69	N 32 12 39.81 W 104	0 31.24
	8471.00	13.50	126.60	8440.85	195.85	-183.64	242.10	0.26	440655.17	641763.34	N 32 12 39.68 W 104	0 31.04
	8565.00	13.26	127.10	8532.30	209.77	-196.69	259.50	0.28	440642.13	641780.74	N 32 12 39.55 W 104	0 30.83
	8660.00	12.89	129.41	8624.83	223.92	-209.99	276.38	0.67	440628.83	641797.62	N 32 12 39.41 W 104	0 30.64
	8755.00	13.16	128.40	8717.39	238.21	-223.43	293.04	0.37	440615.39	641814.28	N 32 12 39.28 W 104	0 30.45
	8849.00	11.58	125.28	8809.20	251.12	-235.53	309.13	1.82	440603.29	641830.37	N 32 12 39.16 W 104	0 30.26
	8944.00	10.57	127.84	8902.43	262.71	-246.38	323.80	1.18	440592.44	641845.03	N 32 12 39.05 W 104	0 30.09
	9039.00	10.60	133.70	8995.82	274.76	-257.76	337.00	1.13	440581.06	641858.23	N 32 12 38.94 W 104	0 29.94
	9133.00	11.81	129.45	9088.03	287.53	-269.85	350.68	1.56	440568.97	641871.91	N 32 12 38.82 W 104	0 29.78
	9228.00	12.22	121.00	9180.96	299.70	-281.20	366.80	1.90	440557.62	641888.03	N 32 12 38.71 W 104	0 29.59
	9322.00	12.32	118.43	9272.81	310.48	-291.10	384.15	0.59	440547.72	641905.38	N 32 12 38.61 W 104	0 29.39
	9417.00	12.64	118.46	9365.56	321.17	-300.88	402.20	0.34	440537.94	641923.43	N 32 12 38.51 W 104	0 29.18
	9460.00	12.53	119.68	9407.53	326.14	-305.43	410.39	0.67	440533.39	641931.61	N 32 12 38.47 W 104	0 29.08
	9503.00	12.95	119.04	9449.47	331.21	-310.08	418.65	1.03	440528.74	641939.88	N 32 12 38.42 W 104	0 28.99
	9598.00	16.57	128.83	9541.34	345.88	-323.75	438.52	4.61	440515.08	641959.75	N 32 12 38.28 W 104	0 28.76
	9693.00	26.15	141.36	9629.75	371.98	-348.66	462.21	11.12	440490.16	641983.44	N 32 12 38.04 W 104	0 28.48
	9787.00	33.62	150.13	9711.23	412.08	-387.48	488.16	9.19	440451.35	642009.38	N 32 12 37.65 W 104	0 28.18
Lease Line Crossed	9877.00	41.62	159.06	9782.52	462.84	-437.12	511.30	10.74	440401.72	642032.52	N 32 12 37.18 W 104	0 27.91
	9882.00	42.08	159.47	9786.24	466.02	-440.24	512.48	10.74	440398.60	642033.70	N 32 12 37.13 W 104	0 27.90
Wolfcamp Intersection	9910.37	43.64	161.65	9807.00	484.56	-458.48	518.86	8.44	440380.38	642040.10	N 32 12 36.95 W 104	0 27.83
	9977.00	48.16	166.87	9853.29	531.30	-504.62	531.72	8.44	440334.22	642052.93	N 32 12 36.49 W 104	0 27.68
100' FNL Crossed	10020.00	51.27	169.81	9881.09	563.72	-536.74	538.33	8.92	440302.11	642059.54	N 32 12 36.17 W 104	0 27.60
	10072.00	55.13	173.03	9912.24	605.14	-577.90	544.51	8.92	440260.95	642065.72	N 32 12 35.77 W 104	0 27.53
	10166.00	66.14	174.04	9958.27	686.79	-659.18	553.68	11.75	440179.68	642074.89	N 32 12 34.96 W 104	0 27.43
Exit Target Box	10261.00	74.26	176.17	9990.42	776.04	-748.16	561.26	8.80	440090.70	642082.47	N 32 12 34.08 W 104	0 27.34
	10305.00	79.37	176.12	10000.45	818.86	-790.93	563.38	12.39	440047.93	642064.60	N 32 12 33.66 W 104	0 27.32
	10356.00	85.31	180.31	10007.25	869.35	-841.44	564.06	12.39	439997.42	642085.28	N 32 12 33.16 W 104	0 27.31
	10426.00	87.96	179.81	10011.36	939.12	-911.32	563.99	3.85	439927.56	642085.21	N 32 12 32.47 W 104	0 27.32
	10455.00	87.91	181.14	10012.40	968.05	-940.30	563.75	4.59	439898.58	642084.97	N 32 12 32.18 W 104	0 27.32
Enter Target Box	10457.00	67.93	181.16	10012.48	970.04	-942.29	563.71	1.22	439898.58	642084.93	N 32 12 32.18 W 104	0 27.32
	10546.00	88.72	181.90	10015.08	1058.73	-1031.22	561.34	1.22	439807.66	642082.55	N 32 12 31.28 W 104	0 27.35
	10637.00	89.68	182.55	10016.35	1149.35	-1122.14	557.81	1.27	439716.75	642079.02	N 32 12 30.38 W 104	0 27.40
	10729.00	88.76	184.87	10017.60	1240.72	-1213.94	551.85	2.71	439624.96	642073.07	N 32 12 29.47 W 104	0 27.47
	10821.00	87.85	186.27	10020.32	1331.66	-1305.46	542.93	1.81	439533.45	642064.15	N 32 12 28.57 W 104	0 27.58
	10912.00	88.25	180.87	10023.42	1421.98	-1396.20	537.27	5.95	439442.72	642058.49	N 32 12 27.67 W 104	0 27.64
	11003.00	89.45	180.68	10025.25	1512.77	-1487.17	536.04	1.34	439351.75	642057.25	N 32 12 26.77 W 104	0 27.66
	11095.00	89.29	180.04	10026.26	1604.61	-1579.16	535.46	0.72	439259.68	642056.68	N 32 12 25.86 W 104	0 27.67
	11188.00	91.23	180.88	10025.84	1697.44	-1672.15	534.71	2.27	439169.79	642055.93	N 32 12 24.94 W 104	0 27.68
	11281.00	89.34	179.87	10025.38	1790.28	-1765.14	534.11	2.30	439073.80	642055.32	N 32 12 24.02 W 104	0 27.69
	11374.00	90.84	181.54	10025.23	1883.08	-1858.13	532.96	2.41	438980.82	642054.18	N 32 12 23.10 W 104	0 27.71
	11467.00	89.99	180.84	10024.56	1975.84	-1951.10	531.03	1.18	438887.85	642052.25	N 32 12 22.18 W 104	0 27.74
	11562.00	90.30	180.12	10024.32	2070.67	-2046.10	530.23	0.83	438792.87	642051.45	N 32 12 21.24 W 104	0 27.75
	11656.00	90.69	179.39	10023.50	2164.56	-2140.09	530.64	0.88	438698.88	642051.85	N 32 12 20.31 W 104	0 27.75
	11751.00	90.16	179.05	10022.80	2259.49	-2235.08	531.93	0.66	438603.90	642053.15	N 32 12 19.37 W 104	0 27.74
	11845.00	91.12	179.91	10021.75	2353.39	-2329.07	532.78	1.37	438509.92	642054.00	N 32 12 18.44 W 104	0 27.73
	11940.00	90.47	177.93	10020.43	2448.33	-2424.04	534.57	2.19	438414.96	642055.79	N 32 12 17.50 W 104	0 27.71
	12035.00	92.30	179.76	10018.13	2543.25	-2518.98	536.49	2.72	438320.02	642057.70	N 32 12 16.56 W 104	0 27.69
	12129.00	90.52	179.61	10015.82	2637.12	-2612.95	537.00	1.90	438226.06	642058.22	N 32 12 15.63 W 104	0 27.69
	12224.00	90.57	178.52	10014.92	2732.05	-2707.93	538.55	1.15	438131.09	642059.77	N 32 12 14.69 W 104	0 27.68
	12319.00	90.72	177.82	10013.85	2827.03	-2802.88	541.59	0.75	438036.15	642062.80	N 32 12 13.75 W 104	0 27.64
	12508.00	89.99	179.67	10012.68	3015.93	-2991.82	545.73	1.05	437847.22	642066.94	N 32 12 11.88 W 104	0 27.60
	12603.00	90.28	182.60	10012.45	3110.68	-3086.79	543.85	3.10	437752.26	642065.06	N 32 12 10.94 W 104	0 27.63
	12698.00	89.85	181.62	10012.35	3205.31	-3181.72	540.35	1.13	437657.34	642061.56	N 32 12 10.00 W 104	0 27.67
	12793.00	90.46	181.09	10012.09	3300.04	-3276.70	538.10	0.85	437562.37	642059.32	N 32 12 9.06 W 104	0 27.70
	12887.00	90.97	178.01	10010.92	3393.93	-3370.67	538.84	3.32	437468.40	642060.06	N 32 12 8.13 W 104	0 27.70
	12982.00	90.51	179.93	10009.69	3488.86	-3465.65	540.55	2.08	437373.44	642061.76	N 32 12 7.19 W 104	0 27.68
	13077.00	91.03	180.96	10008.41	3583.69	-3560.63	539.81	1.21	437278.46	642061.02	N 32 12 6.25 W 104	0 27.69
	13172.00	90.46	179.70	10007.18	3678.52	-3655.62	539.26	1.46	437183.48	642060.48	N 32 12 5.31 W 104	0 27.70
	13266.00	90.21	180.51	10006.63	3772.39	-3749.62	539.09	0.90	437089.49	642060.31	N 32 12 4.38 W 104	0 27.71
	13361.00	90.84	179.61	10005.76	3867.25	-3844.61	538.99	1.16	436994.50	642060.21	N 32 12 3.44 W 104	0 27.71
	13456.00	91.12	180.36	10004.13	3962.11	-3939.60	539.01	0.84	436899.52	642060.23	N 32 12 2.50 W 104	0 27.71
	13551.00	90.79	180.00	10002.55	4056.96	-4034.58	538.72	0.51	436804.54	642059.93	N 32 12 1.56 W 104	0 27.72
	13645.00	90.91	179.71	10001.15	4150.							

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 + ° °)
	16675.00	90.21	181.51	10000.47	7176.00	-7158.09	532.37	2.09	433681.29	642053.59	N 32 11 30.65	W 104 0 27.90
	16769.00	91.08	179.63	9999.41	7269.81	-7252.07	531.44	2.20	433587.32	642052.65	N 32 11 29.72	W 104 0 27.92
	16864.00	90.10	179.86	9998.43	7364.70	-7347.07	531.86	1.06	433492.33	642053.07	N 32 11 28.78	W 104 0 27.92
	16959.00	90.61	179.61	9997.84	7459.59	-7442.06	532.30	0.60	433397.34	642053.51	N 32 11 27.84	W 104 0 27.92
	17054.00	90.74	180.68	9996.72	7554.45	-7537.05	532.06	1.13	433302.36	642053.27	N 32 11 26.90	W 104 0 27.92
	17148.00	90.69	180.04	9995.55	7648.28	-7631.05	531.47	0.68	433208.38	642052.68	N 32 11 25.97	W 104 0 27.93
	17337.00	91.02	179.11	9992.73	7837.07	-7820.02	532.87	0.52	433019.42	642054.08	N 32 11 24.10	W 104 0 27.92
	17431.00	90.21	179.11	9991.72	7931.01	-7914.00	534.33	0.86	432925.45	642055.54	N 32 11 23.17	W 104 0 27.91
	17526.00	90.79	179.33	9990.89	8025.94	-8008.99	535.62	0.65	432830.47	642056.84	N 32 11 22.23	W 104 0 27.90
	17715.00	91.19	179.52	9987.63	8214.74	-8197.95	537.52	0.23	432641.52	642058.73	N 32 11 20.36	W 104 0 27.88
	17810.00	90.19	179.42	9986.48	8309.65	-8292.94	538.40	1.06	432546.54	642059.61	N 32 11 19.42	W 104 0 27.87
	18000.00	92.46	180.62	9982.09	8499.33	-8482.87	538.33	1.35	432356.62	642059.55	N 32 11 17.54	W 104 0 27.88
	18094.00	90.58	180.36	9979.60	8593.12	-8576.83	537.53	2.02	432262.67	642058.74	N 32 11 16.61	W 104 0 27.89
	18189.00	90.17	178.50	9978.97	8688.04	-8671.82	538.47	2.00	432167.69	642059.69	N 32 11 15.67	W 104 0 27.89
	18284.00	90.22	179.58	9978.65	8782.98	-8766.80	540.06	1.14	432072.71	642061.28	N 32 11 14.73	W 104 0 27.87
	18377.00	90.44	180.92	9978.12	8875.83	-8859.80	539.66	1.46	431979.72	642060.87	N 32 11 13.81	W 104 0 27.88
	18566.00	90.70	181.99	9976.24	9064.26	-9048.72	534.86	0.58	431790.81	642056.08	N 32 11 11.95	W 104 0 27.94
	18661.00	90.02	182.36	9975.64	9158.88	-9143.65	531.25	0.81	431695.89	642052.47	N 32 11 11.01	W 104 0 27.99
	18755.00	90.55	182.36	9975.17	9252.47	-9237.57	527.38	0.56	431601.98	642048.60	N 32 11 10.08	W 104 0 28.04
	18850.00	89.60	181.48	9975.05	9347.13	-9332.52	524.20	1.36	431507.04	642045.42	N 32 11 9.14	W 104 0 28.08
	18945.00	89.75	180.23	9975.59	9441.91	-9427.50	522.78	1.33	431412.07	642044.00	N 32 11 8.20	W 104 0 28.10
	19039.00	89.52	179.72	9976.18	9535.79	-9521.50	522.82	0.60	431318.08	642044.04	N 32 11 7.27	W 104 0 28.10
	19134.00	89.53	179.57	9976.97	9630.69	-9616.50	523.41	0.16	431223.09	642044.63	N 32 11 6.33	W 104 0 28.10
	19229.00	89.26	179.63	9977.97	9725.59	-9711.49	524.08	0.29	431128.10	642045.29	N 32 11 5.39	W 104 0 28.09
	19323.00	89.40	179.53	9979.07	9819.49	-9805.48	524.77	0.18	431034.12	642045.98	N 32 11 4.46	W 104 0 28.09
	19512.00	89.33	179.06	9981.17	10008.33	-9994.45	527.09	0.25	430845.16	642048.31	N 32 11 2.59	W 104 0 28.07
	19607.00	88.48	179.57	9982.98	10103.24	-10089.43	528.23	1.04	430750.19	642049.44	N 32 11 1.65	W 104 0 28.06
	19701.00	89.66	179.99	9984.51	10197.12	-10183.41	528.59	1.33	430656.22	642049.80	N 32 11 0.72	W 104 0 28.05
	19796.00	89.58	180.57	9985.14	10291.97	-10278.41	528.12	0.62	430561.23	642049.34	N 32 10 59.78	W 104 0 28.06
	19986.00	89.57	180.31	9986.55	10481.63	-10468.40	526.66	0.14	430371.26	642047.88	N 32 10 57.90	W 104 0 28.09
	20080.00	89.00	179.32	9987.72	10575.51	-10562.39	526.97	1.22	430277.27	642048.18	N 32 10 56.97	W 104 0 28.09
	20175.00	89.36	179.36	9989.08	10670.43	-10657.37	528.06	0.38	430182.30	642049.28	N 32 10 56.03	W 104 0 28.08
330' FSL Crossed	20253.00	89.64	179.23	9989.76	10748.36	-10735.36	529.02	0.40	430104.31	642050.24	N 32 10 55.26	W 104 0 28.07
Final MWD Proj to TD	20338.00	89.94	179.08	9990.08	10833.30	-10820.35	530.28	0.40	430019.33	642051.50	N 32 10 54.41	W 104 0 28.06
	20363.00	89.94	179.08	9990.10	10858.29	-10845.35	530.68	0.00	429994.33	642051.90	N 32 10 54.17	W 104 0 28.05

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	30.000	30.000	GVD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363'MD
	1	30.000	30.000	Act Stns	30.000	30.000	GVD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363'MD
	1	30.000	493.000	Act Stns	30.000	30.000	GVD_GC+DROP+OH	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 37H Gyro
	1	493.000	20363.000	Act Stns	30.000	30.000	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363'MD

...Original Borehole\Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363'MD

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



November 21, 2019

Ms. Jana Mendiola
janalyn_mendiola@oxy.com

NON-STANDARD LOCATION

Administrative Order NSL-7950

Oxy USA, Inc. [OGRID 16696]
Salt Flat CC 20 29 Federal Com Well No. 37H
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	435 FSL & 1765 FWL	N	17	24S	29E	Eddy
First Take Point	100 FNL & 2300 FWL	C	20	24S	29E	Eddy
Last Take Point	330 FSL & 2302 FWL	N	29	24S	29E	Eddy
Terminus	20 FSL & 2300 FWL	N	29	24S	29E	Eddy

Proposed Horizontal Gas Units

<u>Description</u>	<u>Acres</u>	<u>Pool</u>	<u>Pool Code</u>
W2 of Section 20 W2 of Section 29	640	Purple Sage; Wolfcamp (GAS)	98220

Reference is made to your application received on October 21, 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 (R-14262) 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 edge of the horizontal spacing unit. Encroachment will impact the following tracts.

Section 17, encroachment to the SW/4

Administrative Order NSL-7950
Oxy USA, Inc.
November 21, 2019
Page 2 of 2

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

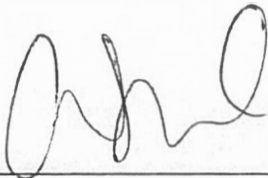
The Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the W2 of Section 20 and Section 29.

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

Per 19.15.15.13(B) 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/rl

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

17-1/2" hole @ 510'
13-3/8" csg @ 500'
w/ 650sx-TOC-Surf. Circ.

9-7/8" hole @ 9485'
7-5/8" csg @ 9470'
w/ 2755sx-TOC-Surf. Circ.

5-1/2" csg tie-back @ 0-9294'

6-3/4" hole @ 20363'
5-1/2" liner @ 9294-20353'
w/806sx-TOC-9294' Circ.

6-3/4" hole @ 20363'
5-1/2" liner @ 9294-20353'
w/806sx-TOC-9294' Circ.

TD- 20363'M 9990'V