

RECEIVED

FEB 13 2020

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) 476-3452

State of New Mexico
Energy, Minerals & Natural Resources
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
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'

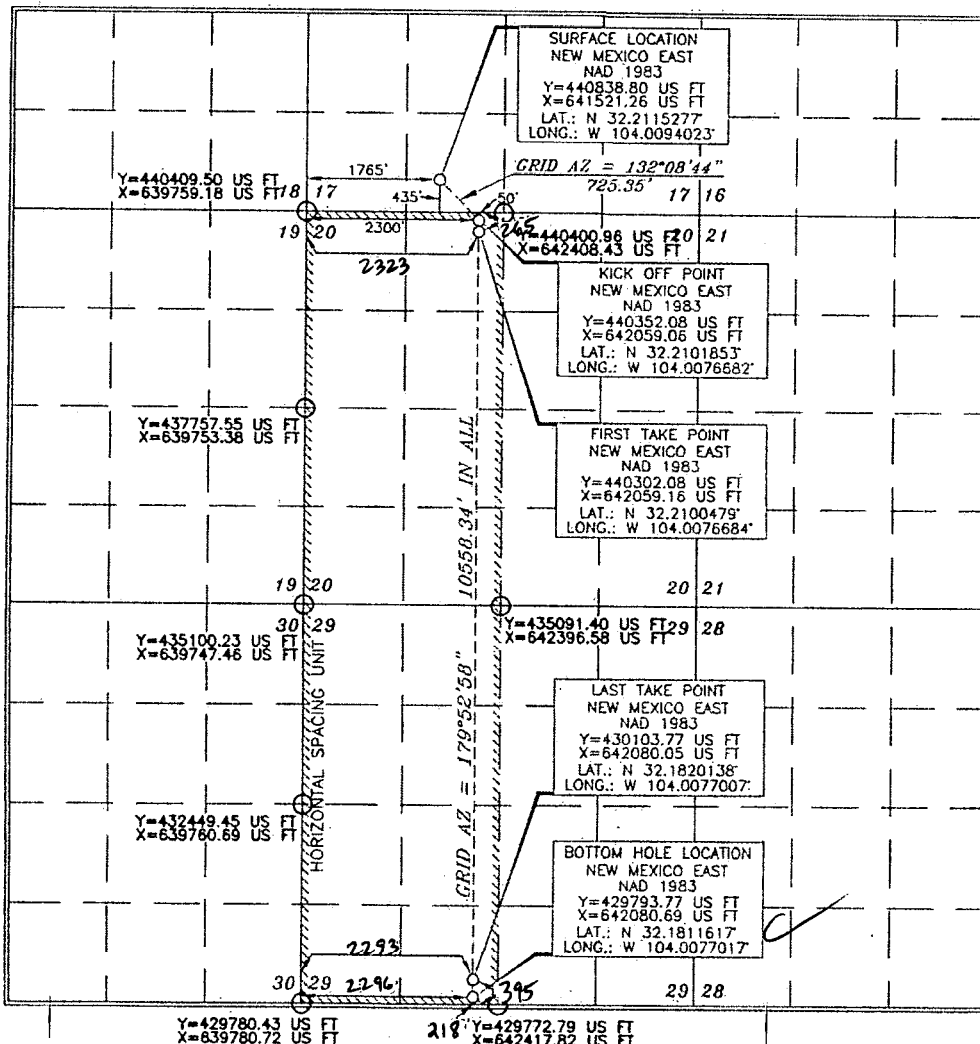
Surface Location

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- 395 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.



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 in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: **2/12/2020**
Printed Name: **Jana Mendiola**
E-mail Address: **jana.mendiola@oxy.com**

SURVEYOR CERTIFICATION

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

Signature and Seal: *[Signature]* Date of Survey: **NOVEMBER 30, 2018**
Professional Land Surveyor
Certificate Number: **15079**

RW 4-30-2020

Intent ☐ As Drilled ☒

API #
30-015-46369

Operator Name: OXY USA INC.	Property Name: SALT FLAT CC 20-29 FEDERAL COM	Well Number 37H
--------------------------------	--	--------------------

Kick Off Point (KOP)

UL C	Section 20	Township 24S	Range 29E	Lot	Feet 125	From N/S N	Feet 2184	From E/W W	County EDDY
Latitude 32.21067					Longitude -104.00805			NAD NAD83	

First Take Point (FTP)

UL C	Section 20	Township 24S	Range 29E	Lot	Feet 265	From N/S N	Feet 2323	From E/W W	County EDDY
Latitude 32.20960					Longitude -104.00761			NAD NAD83	

Last Take Point (LTP)

UL N	Section 29	Township 24S	Range 29E	Lot	Feet 395	From N/S S	Feet 2293	From E/W W	County EDDY
Latitude 32.18220					Longitude -104.00780			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

January 3, 2020

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

RECEIVED

FEB 13 2020

EMNRD-OCD ARTESIA

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

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 32.049055 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
PE

Cody Jacks

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

My Commission expires:

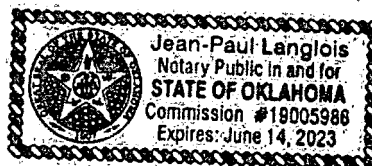
6/14/23

Notary Public

Jean-Paul Langlois

(signature)

Comanche, Oklahoma
(County State)



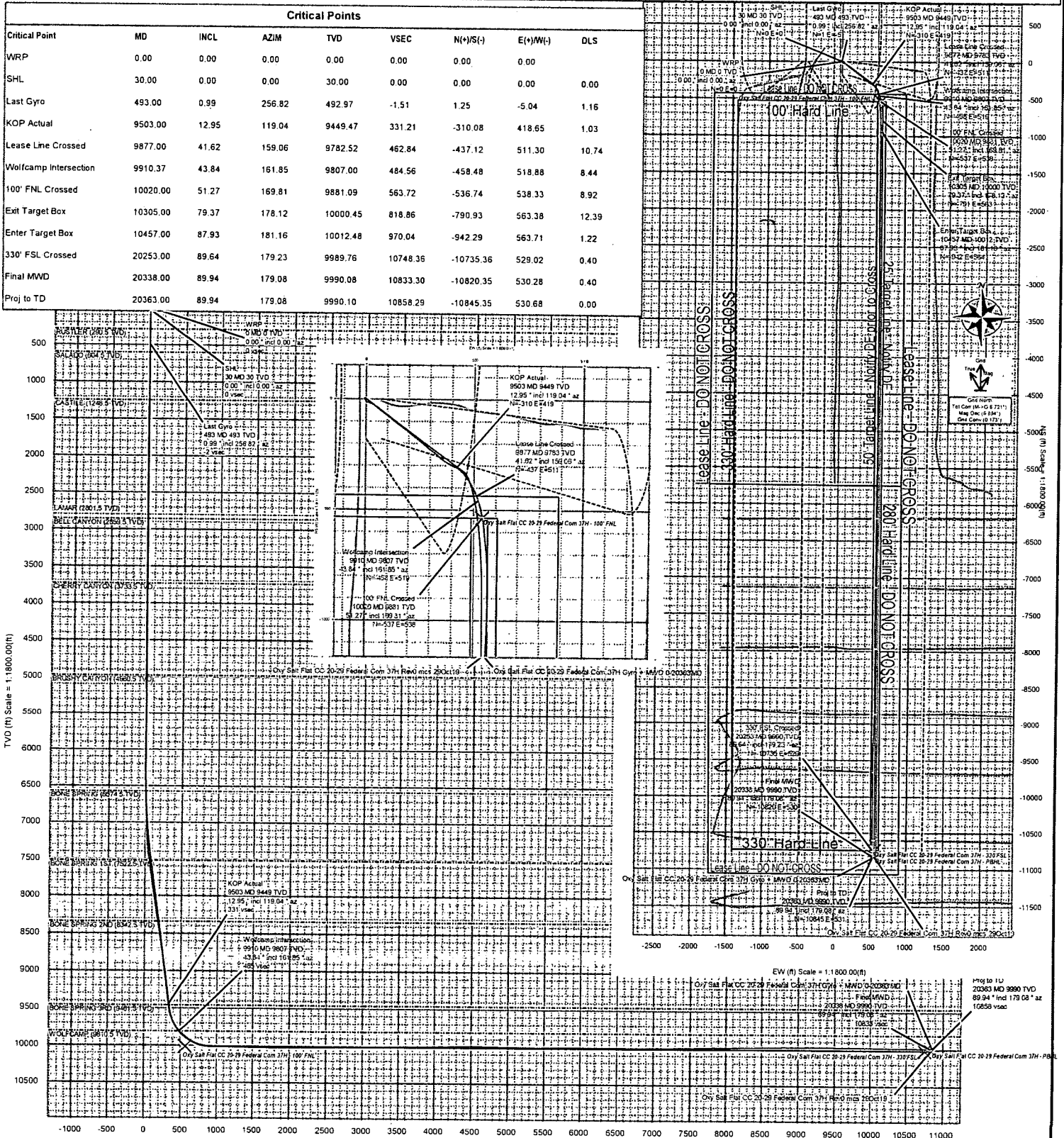
Schlumberger

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: 59.921° Date: 23-Nov-2019	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Oxy Salt Flat CC
MagDec: 6.894° FS: 47852.2nT Gravity FS: 998.468mgm (9.80665 Based)	Lat: N 32 12 41.50 Northing: 440836.8NUS Grid Conv: 0.1727°	Slot: 20-29 Federal Com 37H TVD Ref: RKB=30'(2965.5ft above MSL)
	Lon: W 104 0 33.85 Easting: 641521.26NUS Scale Fact: 0.99992058	Plan: Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363 MWD



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 RUS, E 641521.260 RUS
 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 (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	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	440839.63	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
	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	641514.88	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	641512.53	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	641512.46	N 32 12 41.56 W 104	0 33.95
	2131.00	0.19	198.34	2130.90	-6.10	5.68	-8.84	0.34	440844.46	641512.42	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	440844.24	641512.37	N 32 12 41.55 W 104	0 33.95
	2320.00	0.15	117.18	2319.90	-5.75	5.30	-8.77	0.13	440844.10	641512.49	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	440843.96	641512.55	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	440843.74	641512.50	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	440843.61	641512.50	N 32 12 41.55 W 104	0 33.95
	2698.00	0.14	210.86	2697.90	-5.16	4.62	-8.80	0.16	440843.52	641512.46	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	440843.42	641512.45	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	440843.49	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	440843.58	641512.52	N 32 12 41.55 W 104	0 33.95
	3077.00	0.07	298.76	3076.90	-5.29	4.84	-8.76	0.14	440843.64	641512.53	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	440843.70	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	641512.45	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	440843.93	641512.32	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	440843.91	641512.31	N 32 12 41.55 W 104	0 33.95
	3740.00	0.10	211.75	3739.90	-5.56	5.11	-8.94	0.20	440843.91	641512.32	N 32 12 41.55 W 104	0 33.95
	3835.00	0.09	151.08	3834.90	-5.43	4.97	-8.95	0.10	440843.77	641512.31	N 32 12 41.55 W 104	0 33.95
	3929.00	0.13	221.28	3928.90	-5.28	4.83	-8.98	0.14	440843.63	641512.28	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	440843.42	641512.22	N 32 12 41.55 W 104	0 33.95
	4119.00	0.12	342.40	4118.90	-5.05	4.60	-9.05	0.28	440843.40	641512.21	N 32 12 41.55 W 104	0 33.95
	4214.00	0.10	7.93	4213.90	-5.23	4.77	-9.06	0.06	440843.57	641512.20	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	440843.61	641512.08	N 32 12 41.55 W 104	0 33.96
	4403.00	0.13	273.69	4402.90	-5.24	4.77	-9.41	0.07	440843.56	641511.85	N 32 12 41.55 W 104	0 33.96
	4498.00	0.08	193.95	4497.90	-5.19	4.71	-9.53	0.15	440843.51	641511.73	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	440843.38	641511.63	N 32 12 41.55 W 104	0 33.96
	4687.00	0.08	335.38	4686.90	-5.06	4.57	-9.74	0.18	440843.37	641511.52	N 32 12 41.55 W 104	0 33.96
	4782.00	0.13	230.77	4781.90	-5.06	4.56	-9.85	0.18	440843.36	641511.41	N 32 12 41.55 W 104	0 33.96
	4876.00	0.12	46.01	4875.90	-5.06	4.56	-9.86	0.27	440843.36	641511.40	N 32 12 41.55 W 104	0 33.96
	4971.00	0.13	141.80	4970.90	-5.04	4.54	-9.72	0.20	440843.34	641511.54	N 32 12 41.54 W 104	0 33.96
	5066.00	0.10	205.66	5065.90	-4.88	4.38	-9.69	0.13	440843.18	641511.57	N 32 12 41.54 W 104	0 33.96
	5160.00	0.10	139.86	5159.90	-4.74	4.25	-9.68	0.12	440843.05	641511.59	N 32 12 41.54 W 104	0 33.96
	5255.00	0.13	206.16	5254.90	-4.58	4.09	-9.67	0.14	440842.89	641511.59	N 32 12 41.54 W 104	0 33.96
	5350.00	0.09	51.64	5349.90	-4.53	4.04	-9.66	0.23	440842.84	641511.60	N 32 12 41.54 W 104	0 33.96
	5444.00	0.09	107.37	5443.90	-4.55	4.06	-9.53	0.09	440842.86	641511.73	N 32 12 41.54 W 104	0 33.96
	5539.00	0.09	146.89	5538.90	-4.46	3.98	-9.42	0.06	440842.78	641511.84	N 32 12 41.54 W 104	0 33.96
	5633.00	0.11	341.27	5632.90	-4.48	4.00	-9.41	0.21	440842.80	641511.85	N 32 12 41.54 W 104	0 33.96
	5728.00	0.11	29.24	5727.89	-4.64	4.17	-9.39	0.09	440842.97	641511.87	N 32 12 41.54 W 104	0 33.96
	5823.00	0.11	249.99	5822.89	-4.69	4.21	-9.43	0.22	440843.01	641511.83	N 32 12 41.54 W 104	0 33.96
	5917.00	0.10	17.54	5916.89	-4.74	4.26	-9.49	0.20	440843.06	641511.77	N 32 12 41.54 W 104	0 33.96
	6012.00	0.11	68.48	6011.89	-4.85	4.37	-9.38	0.10	440843.17	641511.88	N 32 12 41.54 W 104	0 33.96
	6106.00	0.10	69.28	6105.89	-4.90	4.44	-9.22	0.01	440843.24	641512.04	N 32 12 41.54 W 104	0 33.96
	6201.00	0.08	112.08	6200.89	-4.90	4.44	-9.08	0.07	440843.24	641512.18	N 32 12 41.54 W 104	0 33.95
	6296.00	0.41	154.89	6295.89	-4.56	4.11	-8.88	0.37	440842.91	641512.38	N 32 12 41.54 W 104	0 33.95
	6390.00	1.62	163.92	6389.88	-2.95	2.53	-8.37	1.29	440841.33	641512.89	N 32 12 41.52 W 104	0 33.95
	6485.00	2.65	156.69	6484.81	0.41	-0.78	-7.13	1.12	440838.02	641514.14	N 32 12 41.49 W 104	0 33.93
	6579.00	3.06	148.51	6578.69	4.65	-4.92	-4.95	0.61	440833.88	641516.31	N 32 12 41.45 W 104	0 33.91
	6674.00	2.56	144.80	6673.58	8.68	-8.81	-2.41	0.56	440829.99	641518.85	N 32 12 41.41 W 104	0 33.88
	6769.00	3.31	121.07	6768.46	12.01	-11.96	1.16	1.49	440826.84	641522.42	N 32 12 41.38 W 104	0 33.84

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	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 33.63
	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	7798.28	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	128.41	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	127.64	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 37.16 W 104	0 27.91
Wolfcamp Intersection	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
	9910.37	43.84	161.85	9807.00	484.56	-458.48	518.88	8.44	440380.36	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	178.12	10000.45	818.86	-790.93	563.38	12.39	440047.93	642094.60	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	87.93	181.16	10012.48	970.04	-942.29	563.71	1.22	439896.58	642084.93	N 32 12 32.16 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	439259.77	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	439166.79	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	4							

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	642060.67	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	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
Proj to TD	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 GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363MD
	1	30.000	30.000	Act Stns	30.000	30.000 GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 37H Gyro + MWD 0-20363MD
	1	30.000	493.000	Act Stns	30.000	GYD_GC+DROP+OH	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 37H Gyro Original Borehole / Oxy Salt Flat
	1	493.000	20363.000	Act Stns	30.000	A010Mb_MWD+IFR1+SAG+MS	CC 20-29 Federal Com 37H Gyro + MWD 0-20363MD

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

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.

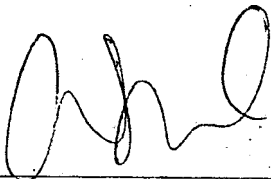
The Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the W2 of Section 20 and Section 29.

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/lrl

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