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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 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

FEB 20 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 30-015-45050	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 321601	Property Name SALT FLAT CC "20-29" FEDERAL COM	Well Number 36H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2926.5'

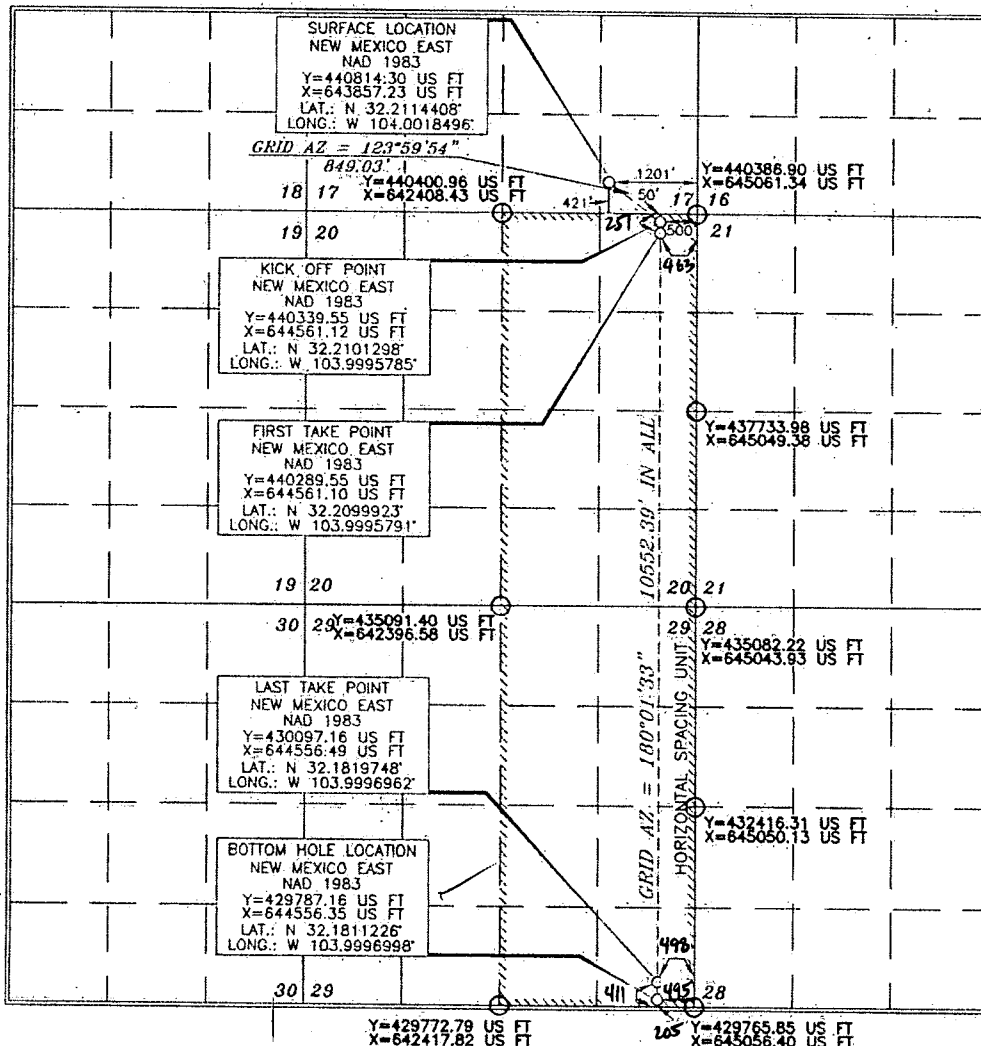
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24 SOUTH	29 EAST, N.M.P.M.		421'	SOUTH	1201'	EAST	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
P	29	24 SOUTH	29 EAST, N.M.P.M.		20' / 205' ✓	SOUTH	500' / 445' ✓	EAST	EDDY
Dedicated Acres 640	Joint or Infill Y	Consolidation Code	Order No. NSL-7949	FTP- 251 FNL 463 FEL LTP- 411 FSL 498 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: *[Signature]* Date: **2/18/20**
Printed Name: **Jana Mendiola**
E-mail Address: **jana@merdiola-oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from the best 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: *[Signature]* Date of Survey: **NOVEMBER 10, 2019**
Professional Surveyor: **15079**
Certificate Number: **15079**

RW 4-30-20

Intent ☐ As Drilled ☒

API #
30-015-45050

Operator Name: OXY USA INC.	Property Name: SALT FLAT CC 20-29 FEDERAL COM	Well Number 36H
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Kick Off Point (KOP)

UL A	Section 20	Township 24S	Range 29E	Lot	Feet 70	From N/S N	Feet 507	From E/W E	County EDDY
Latitude 32.21047					Longitude -103.99961			NAD NAD83	

First Take Point (FTP)

UL A	Section 20	Township 24S	Range 29E	Lot	Feet 251	From N/S N	Feet 463	From E/W E	County EDDY
Latitude 32.20959					Longitude -103.99947			NAD NAD83	

Last Take Point (LTP)

UL P	Section 29	Township 24S	Range 29E	Lot	Feet 411	From N/S S	Feet 498	From E/W E	County EDDY
Latitude 32.18221					Longitude -103.99968			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

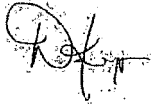
Well Reference:
S17, T24S, R29E, Eddy, NM
N 32-21144 W -104.00185

I, Devon Kurtz certify that: I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 25, 2019 through November 26, 2019, conduct or supervise the taking of the SlimPulse surveys from a depth of 569.00 feet to a depth of 20301.00 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 Federal Com 36H Well (Original Hole) API No. 30-015-45050 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

Devon Kurtz

FS



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FEB 20 2020

EMNRD-OCD ARTESIA

Subscribed and Sworn to before me this 27 day of December (month) 2019 (yr)

My Commission expires:

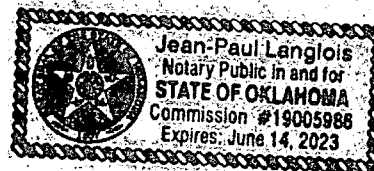
6/14/23

Notary Public

Carmichael, Oklahoma

(County, State)

(signature)



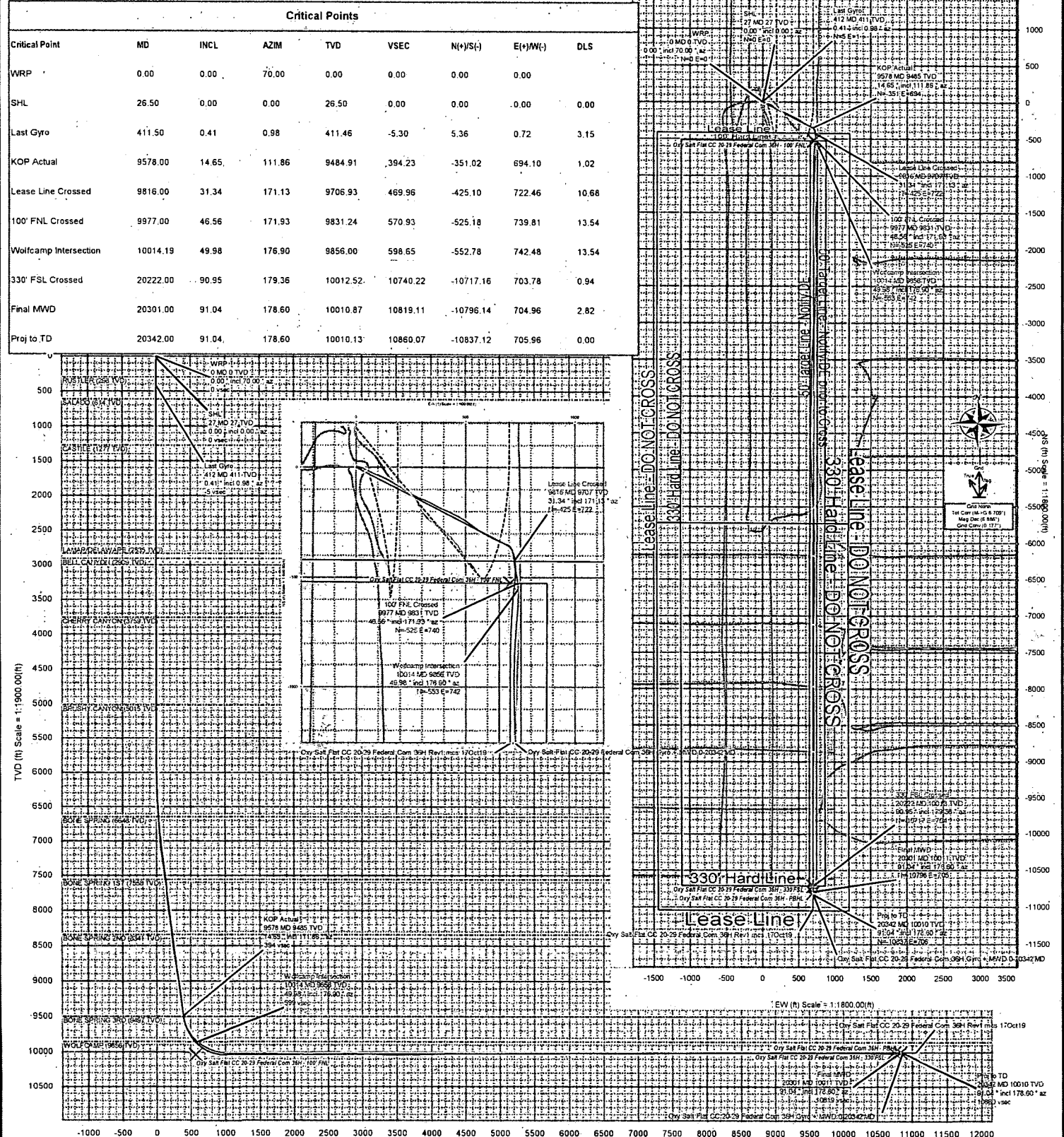
Schlumberger

OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Salt Flat CC 20-29 Federal Com 36H	NM Eddy County (NAD 83)	Oxy Salt Flat CC 20-29 Federal Com 36H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	IFR1	Dip:	58.918°	Date:	27-Nov-2019	Lat:	N 32 12 41.13	Northing:	440814.3HUS	Grid Conv:	0.1767
MagDec:	6.886°	FS:	47850.4nT	Gravity FS:	998.465mgm (9.80665 Based)	Lon:	W 104 0 6.66	Easting:	643857.23HUS	Scale Fact:	0.99992113
								Oxy Salt Flat CC 20-29 Federal Com 36H			
								TVD Ref: RKB(2553h above MSL)			
								Plan: Oxy Salt Flat CC 20-29 Federal Com 36H Gyro + MWD 0-20342MD			



RWP 4-30-20

Oxy Salt Flat CC 20-29 Federal Com 36H Gyro + MWD 0-20342 MD Survey

Geodetic Report

(Def Survey)



Report Date: December 09, 2019 - 10:20 AM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Salt Flat CC 20-29 Federal Com 36H / Oxy Salt Flat CC 20-29 Federal Com 36H
 Well: Oxy Salt Flat CC 20-29 Federal Com 36H
 Borehole: Original Borehole
 UWM / API#: Unknown / 30-015-45050
 Survey Name: Oxy Salt Flat CC 20-29 Federal Com 36H Gyro + MWD 0-20342 MD
 Survey Date: October 21, 2019
 Tort / AHD / DDI / ERD Ratio: 217.847' / 11296.647 ft / 6.698' / 1.125
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 12' 41.18678", W 104° 0' 6.65868"
 Location Grid N/E Y/X: N 440814.300 NUS, E 643857.230 NUS
 CRS Grid Convergence Angle: 0.1767°
 Grid Scale Factor: 0.99992113
 Version / Patch: 2.10.782.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 176.372° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 2953.000 ft above MSL
 Seabed / Ground Elevation: 2926.500 ft above MSL
 Magnetic Declination: 6.886°
 Total Gravity Field Strength: 998.4688 mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47850.400 nT
 Magnetic Dip Angle: 59.918°
 Declination Date: November 27, 2019
 Magnetic Declination Model: IFR1
 North Reference: Grid North
 Grid Convergence Used: 0.1767°
 Total Corr Mag North-Grid: 6.7093°
 North: Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (NUS)	Easting (EUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
WRP	0.00	0.00	70.00	0.00	0.00	0.00	0.00	N/A	440814.30	643857.23	N 32 12 41.19 W 104 0 6.66	
SHL	26.50			26.50	0.00	0.00	0.00	0.00	440814.30	643857.23	N 32 12 41.19 W 104 0 6.66	
	36.50	0.54	319.80	36.50	-0.04	0.04	-0.03	5.40	440814.34	643857.20	N 32 12 41.19 W 104 0 6.66	
	68.50	0.66	2.06	68.50	-0.34	0.34	-0.12	1.40	440814.64	643857.11	N 32 12 41.19 W 104 0 6.66	
	100.50	0.80	6.56	100.50	-0.75	0.74	-0.09	0.47	440815.04	643857.14	N 32 12 41.19 W 104 0 6.66	
	127.50	0.84	19.23	127.49	-1.11	1.12	0.00	0.69	440815.42	643857.23	N 32 12 41.20 W 104 0 6.66	
	156.50	0.79	21.25	156.49	-1.49	1.50	0.14	0.20	440815.80	643857.37	N 32 12 41.20 W 104 0 6.66	
	183.50	0.77	5.40	183.49	-1.84	1.86	0.22	0.80	440816.16	643857.45	N 32 12 41.21 W 104 0 6.66	
	212.50	0.85	0.68	212.48	-2.25	2.27	0.25	0.36	440816.57	643857.48	N 32 12 41.21 W 104 0 6.66	
	242.50	0.92	9.65	242.48	-2.70	2.73	0.29	0.52	440817.03	643857.52	N 32 12 41.21 W 104 0 6.66	
	269.50	0.94	13.16	269.48	-3.13	3.16	0.38	0.22	440817.45	643857.61	N 32 12 41.22 W 104 0 6.65	
	301.50	0.81	1.45	301.47	-3.60	3.64	0.44	0.69	440817.94	643857.67	N 32 12 41.22 W 104 0 6.65	
	332.50	0.98	4.90	332.47	-4.08	4.12	0.47	0.58	440818.42	643857.70	N 32 12 41.23 W 104 0 6.65	
	364.50	1.04	13.45	364.47	-4.63	4.68	0.56	0.51	440818.97	643857.79	N 32 12 41.23 W 104 0 6.65	
Last Gyro	395.50	0.89	15.44	395.46	-5.13	5.18	0.69	0.50	440819.48	643857.92	N 32 12 41.24 W 104 0 6.65	
	411.50	0.41	0.98	411.46	-5.30	5.36	0.72	3.15	440819.66	643857.95	N 32 12 41.24 W 104 0 6.65	
	507.00	0.35	73.78	506.96	-5.71	5.78	1.01	0.47	440820.08	643858.24	N 32 12 41.24 W 104 0 6.65	
	538.00	0.07	162.53	537.96	-5.71	5.79	1.11	1.15	440820.09	643858.34	N 32 12 41.24 W 104 0 6.65	
	569.00	0.04	251.52	568.96	-5.69	5.77	1.10	0.26	440820.07	643858.33	N 32 12 41.24 W 104 0 6.65	
	599.00	0.14	68.22	598.96	-5.70	5.78	1.13	0.60	440820.08	643858.36	N 32 12 41.24 W 104 0 6.65	
	630.00	0.11	124.53	629.96	-5.69	5.78	1.19	0.39	440820.07	643858.42	N 32 12 41.24 W 104 0 6.64	
	660.00	0.06	30.28	659.96	-5.68	5.77	1.22	0.43	440820.07	643858.45	N 32 12 41.24 W 104 0 6.64	
	841.00	0.05	277.06	840.96	-5.78	5.86	1.19	0.05	440820.16	643858.42	N 32 12 41.24 W 104 0 6.64	
	932.00	0.09	118.51	931.96	-5.75	5.83	1.21	0.15	440820.13	643858.44	N 32 12 41.24 W 104 0 6.64	
	1023.00	0.09	130.10	1022.96	-5.66	5.75	1.33	0.02	440820.05	643858.56	N 32 12 41.24 W 104 0 6.64	
	1114.00	0.04	177.32	1113.96	-5.58	5.68	1.38	0.08	440819.98	643858.61	N 32 12 41.24 W 104 0 6.64	
	1206.00	0.13	352.02	1205.96	-5.65	5.75	1.37	0.18	440820.05	643858.60	N 32 12 41.24 W 104 0 6.64	
	1388.00	0.11	154.53	1387.96	-5.69	5.79	1.42	0.13	440820.09	643858.65	N 32 12 41.24 W 104 0 6.64	
	1476.00	0.39	164.18	1475.96	-5.32	5.43	1.53	0.32	440819.73	643858.76	N 32 12 41.24 W 104 0 6.64	
	1570.00	0.04	197.23	1569.96	-4.98	5.09	1.61	0.38	440819.39	643858.84	N 32 12 41.24 W 104 0 6.64	
	1669.00	0.07	52.07	1668.96	-4.98	5.10	1.65	0.11	440819.40	643858.88	N 32 12 41.24 W 104 0 6.64	
	1859.00	0.17	100.08	1858.96	-4.98	5.12	2.02	0.07	440819.42	643859.25	N 32 12 41.24 W 104 0 6.63	
	1954.00	0.07	121.02	1953.95	-4.91	5.06	2.21	0.11	440819.36	643859.44	N 32 12 41.24 W 104 0 6.63	
	2049.00	0.11	193.99	2048.95	-4.79	4.94	2.24	0.12	440819.24	643859.46	N 32 12 41.24 W 104 0 6.63	
	2144.00	0.15	178.03	2143.95	-4.58	4.73	2.22	0.06	440819.03	643859.45	N 32 12 41.23 W 104 0 6.63	
	2239.00	0.03	159.05	2238.95	-4.43	4.58	2.23	0.13	440818.88	643859.46	N 32 12 41.23 W 104 0 6.63	
	2334.00	0.14	176.79	2333.95	-4.29	4.45	2.25	0.12	440818.74	643859.48	N 32 12 41.23 W 104 0 6.63	
	2429.00	0.05	232.62	2428.95	-4.16	4.30	2.22	0.13	440818.60	643859.45	N 32 12 41.23 W 104 0 6.63	
	2524.00	0.09	202.55	2523.95	-4.07	4.21	2.16	0.06	440818.51	643859.39	N 32 12 41.23 W 104 0 6.63	
	2618.00	0.15	168.53	2617.95	-3.88	4.02	2.15	0.10	440818.32	643859.38	N 32 12 41.23 W 104 0 6.63	
	2713.00	0.14	201.06	2712.95	-3.65	3.79	2.14	0.09	440818.09	643859.37	N 32 12 41.22 W 104 0 6.63	
	2808.00	0.26	265.81	2807.95	-3.54	3.67	1.88	0.25	440817.97	643859.11	N 32 12 41.22 W 104 0 6.64	
	2903.00	0.05	58.64	2902.95	-3.56	3.67	1.70	0.32	440817.97	643859.93	N 32 12 41.22 W 104 0 6.64	
	2998.00	0.15	32.87	2997.95	-3.68	3.80	1.80	0.11	440818.10	643859.03	N 32 12 41.22 W 104 0 6.64	
	3093.00	0.07	5.65	3092.95	-3.83	3.96	1.88	0.10	440818.26	643859.11	N 32 12 41.23 W 104 0 6.64	
	3188.00	0.10	350.39	3187.95	-3.97	4.10	1.87	0.04	440818.40	643859.10	N 32 12 41.23 W 104 0 6.64	
	3283.00	0.12	302.41	3282.95	-4.12	4.24	1.77	0.10	440818.54	643859.00	N 32 12 41.23 W 104 0 6.64	
	3378.00	0.05	61.42	3377.95	-4.19	4.31	1.72	0.16	440818.61	643858.95	N 32 12 41.23 W 104 0 6.64	
	3473.00	0.04	184.07	3472.95	-4.18	4.30	1.76	0.08	440818.60	643858.99	N 32 12 41.23 W 104 0 6.64	
	3568.00	0.04	312.49	3567.95	-4.17	4.28	1.73	0.08	440818.58	643858.96	N 32 12 41.23 W 104 0 6.64	
	3663.00	0.08	9.65	3662.95	-4.26	4.37	1.72	0.07	440818.67	643858.95	N 32 12 41.23 W 104 0 6.64	
	3758.00	0.14	221.76	3757.95	-4.24	4.35	1.65	0.22	440818.65	643858.88	N 32 12 41.23 W 104 0 6.64	
	3853.00	0.10	288.47	3852.95	-4.19	4.29	1.50	0.14	440818.59	643858.73	N 32 12 41.23 W 104 0 6.64	
	3948.00	0.07	23.22	3947.95	-4.27	4.37	1.44	0.13	440818.67	643858.67	N 32 12 41.23 W 104 0 6.64	
4042.00	0.06	50.52	4041.95	-4.35	4.45	1.50	0.03	440818.75	643858.73	N 32 12 41.23 W 104 0 6.64		
4137.00	0.05	150.10	4136.95	-4.34	4.45	1.55	0.09	440818.75	643858.78	N 32 12 41.23 W 104 0 6.64		
4232.00	0.04	251.79	4231.95	-4.30	4.40	1.55	0.07	440818.70	643858.78	N 32 12 41.23 W 104 0 6.64		
4327.00	0.04	312.92	4326.95	-4.31	4.42	1.49	0.04	440818.72	643858.72	N 32 12 41.23 W 104 0 6.64		
4422.00	0.10	341.26	4421.95	-4.42	4.52	1.44	0.07	440818.82	643858.67	N 32 12 41.23 W 104 0 6.64		
4517.00	0.05	252.96	4516.95	-4.49	4.58	1.38	0.12	440818.88	643858.61	N 32 12 41.23 W 104 0 6.64		
4612.00	0.08	254.96	4611.95	-4.46	4.55	1.27	0.03	440818.85	643858.50	N 32 12 41.23 W 104 0 6.64		
4707.00	0.11	11.79	4706.95	-4.54	4.63	1.23	0.17	440818.93	643858.46	N 32 12 41.23 W 104 0 6.64		
4802.00	0.08	10.68	4801.95	-4.69	4.78	1.26	0.03	440819.08	643858.49	N 32 12 41.23 W 104 0 6.64		
4897.00	0.12	353.16	4896.95	-4.86	4.94	1.26	0.05	440819.24	643858.49	N 32 12 41.24 W 104 0 6.64		
4992.00	0.07	292.36	4991.95	-4.98	5.07	1.19	0.11	440819.37	643858.42	N 32 12 41.24 W 104 0 6.64		
5087.00	0.06	52.05	5086.95	-5.03	5.12	1.18	0.12	440819.42	643858.41	N 32 12 41.24 W 104 0 6.64		
5182.00	0.10	176.98	5181.95	-4.98	5.07	1.22	0.15	440819.37	643858.45	N 32 12 41.24 W 104 0 6.64		
5277.00	0.10	201.45	5276.95	-4.82	4.91	1.20	0.04	440819.21	643858.43	N 32 12 41.24 W 104 0 6.64		
5372.00	0.11	358.66	5371.95	-4.84	4.92	1.16	0.22	440819.22	643858.39	N 32 12 41.24 W 104 0 6.64		
5467.00	0.13	304.10	5466.95	-4.99	5.07	1.07	0.12	440819.37	643858.30	N 32 12 41.24 W 104 0 6.65		
5563.00	0.15	224.77	5562.95	-4.98	5.04	0.89	0.19	440819.34	643858.12	N 32 12 41.24 W 104 0 6.65		
5658.00	0.09	163.69	5657.95	-4.82	4.88	0.83	0.14	440819.18	643858.06	N 32 12 41.24 W 104 0 6.65		
5753.00	0.13	156.75	5752.95	-4.65	4.71	0.89	0.04	440819.01	643858.12	N 32 12 41.23 W 104 0 6.65		
5848.00	1.02	119.84	5847.94	-4.08	4.19	1.67	0.97	440818.49	643858.90	N 32 12 41.23 W 104 0 6.64		
5944.00	2.17	110.09	5943.91	-2.88	3.14	4.11	1.23	440817.44	643861.34	N 32 12 41.22 W 104 0 6.61		
6039.00	3.33	108.01	6038.79	-1.14	1.67	8.43	1.23	440815.97	643865.66	N 32 12 41.20 W 104 0 6.56		
6134.00	4.17	107.23	6133.59	1.11	-0.20	14.35	0.89	440814.10	643871.58	N 32 12 41.18 W 104 0 6.48		

Comments	MD (ft)	Incl (°)	Azim (°)	Grid (ft)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	6229.00	5.08	109.39	6228.28	3.99	-2.62	21.62	21.62	0.98	440811.88	643878.84	N 32 12 41.16 W 104 0 - 6.41	
	6324.00	5.83	111.53	6322.85	7.68	-5.79	30.07	30.07	0.82	440808.51	643887.30	N 32 12 41.13 W 104 0 - 6.31	
	6420.00	6.62	113.28	6418.28	12.26	-9.77	39.69	39.69	0.85	440804.53	643896.92	N 32 12 41.09 W 104 0 - 6.20	
	6515.00	6.99	115.37	6512.61	17.54	-14.41	49.94	49.94	0.47	440799.89	643907.17	N 32 12 41.04 W 104 0 - 6.08	
	6610.00	7.54	115.68	6606.85	23.39	-19.58	60.78	60.78	0.58	440794.72	643918.01	N 32 12 40.99 W 104 0 - 5.95	
	6705.00	8.90	113.88	6700.87	29.84	-25.26	73.12	73.12	1.48	440789.04	643930.35	N 32 12 40.93 W 104 0 - 5.81	
	6800.00	9.95	111.45	6794.59	36.71	-31.24	87.48	87.48	1.18	440783.06	643944.70	N 32 12 40.88 W 104 0 - 5.64	
	6896.00	9.73	109.45	6889.18	43.41	-36.97	102.85	102.85	0.42	440777.33	643960.07	N 32 12 40.82 W 104 0 - 5.46	
	6991.00	9.05	112.52	6982.90	49.84	-42.51	117.32	117.32	0.89	440771.80	643974.54	N 32 12 40.76 W 104 0 - 5.29	
	7086.00	11.44	117.01	7076.38	57.94	-49.65	132.62	132.62	2.65	440764.66	643989.84	N 32 12 40.69 W 104 0 - 5.12	
	7181.00	13.46	119.23	7169.15	68.74	-59.33	150.66	150.66	2.18	440754.98	644007.88	N 32 12 40.60 W 104 0 - 4.91	
	7277.00	13.15	121.51	7262.57	81.09	-70.49	169.72	169.72	0.63	440743.82	644026.94	N 32 12 40.48 W 104 0 - 4.69	
	7372.00	14.04	122.15	7354.91	94.04	-82.27	188.69	188.69	0.95	440732.04	644045.91	N 32 12 40.37 W 104 0 - 4.47	
	7466.00	14.60	122.51	7445.99	107.70	-94.71	208.34	208.34	0.60	440719.60	644065.55	N 32 12 40.24 W 104 0 - 4.24	
	7561.00	14.92	122.20	7537.85	121.92	-107.66	228.78	228.78	0.35	440706.65	644086.00	N 32 12 40.11 W 104 0 - 4.00	
	7656.00	15.14	119.95	7629.60	135.94	-120.37	249.88	249.88	0.66	440693.94	644107.09	N 32 12 39.99 W 104 0 - 3.75	
	7751.00	14.40	116.45	7721.46	148.72	-131.82	271.21	271.21	1.22	440682.49	644128.42	N 32 12 39.87 W 104 0 - 3.51	
	7846.00	14.51	111.53	7813.46	159.70	-141.45	292.86	292.86	1.30	440672.86	644150.06	N 32 12 39.78 W 104 0 - 3.26	
	7941.00	15.52	112.59	7905.22	170.37	-150.70	315.66	315.66	1.10	440663.61	644172.87	N 32 12 39.69 W 104 0 - 2.99	
	8036.00	15.35	118.05	7996.79	182.59	-161.50	338.50	338.50	1.54	440652.81	644195.70	N 32 12 39.58 W 104 0 - 2.72	
	8131.00	15.37	118.75	8088.40	195.94	-173.47	360.63	360.63	0.20	440640.85	644217.83	N 32 12 39.46 W 104 0 - 2.47	
	8226.00	14.99	115.41	8180.09	208.64	-184.80	382.77	382.77	1.00	440629.52	644239.97	N 32 12 39.35 W 104 0 - 2.21	
	8321.00	15.09	111.82	8271.84	219.92	-194.66	405.34	405.34	0.99	440619.65	644262.54	N 32 12 39.25 W 104 0 - 1.95	
	8416.00	15.23	114.60	8363.53	231.14	-204.45	428.17	428.17	0.78	440609.86	644285.37	N 32 12 39.15 W 104 0 - 1.68	
	8510.00	15.41	116.57	8454.19	243.26	-215.18	450.57	450.57	0.59	440599.14	644307.76	N 32 12 39.04 W 104 0 - 1.42	
	8605.00	15.27	119.30	8545.81	256.41	-226.95	472.77	472.77	0.77	440587.37	644329.96	N 32 12 38.93 W 104 0 - 1.16	
	8700.00	15.59	121.66	8637.38	270.58	-239.77	494.54	494.54	0.74	440574.55	644351.73	N 32 12 38.80 W 104 0 - 0.91	
	8795.00	15.17	123.98	8728.98	285.54	-253.42	515.71	515.71	0.78	440560.90	644372.90	N 32 12 38.66 W 104 0 - 0.67	
	8890.00	15.11	126.70	8820.69	301.14	-267.77	535.95	535.95	0.75	440546.56	644393.14	N 32 12 38.52 W 104 0 - 0.43	
	8985.00	14.88	123.67	8912.45	316.55	-281.93	556.03	556.03	0.86	440532.39	644413.21	N 32 12 38.38 W 104 0 - 0.20	
	9080.00	15.46	121.01	9004.14	331.13	-295.21	577.03	577.03	0.95	440519.11	644434.22	N 32 12 38.25 W 103 59 59.95	
	9175.00	15.11	119.17	9095.78	345.04	-307.77	598.70	598.70	0.63	440506.55	644455.88	N 32 12 38.12 W 103 59 59.70	
	9270.00	15.22	116.29	9187.48	357.96	-319.33	620.69	620.69	0.80	440494.99	644477.87	N 32 12 38.01 W 103 59 59.45	
	9365.00	15.02	113.46	9279.19	369.79	-329.76	643.16	643.16	0.80	440484.57	644500.34	N 32 12 37.90 W 103 59 59.18	
	9460.00	14.99	112.94	9370.95	380.89	-339.44	665.77	665.77	0.15	440474.88	644522.94	N 32 12 37.81 W 103 59 58.92	
	9520.00	15.24	112.03	9428.87	387.77	-345.43	680.22	680.22	0.57	440468.90	644537.40	N 32 12 37.75 W 103 59 58.75	
	9578.00	14.65	111.86	9484.91	394.23	-351.02	694.10	694.10	1.02	440463.31	644551.27	N 32 12 37.69 W 103 59 58.59	
	9673.00	17.12	157.34	9576.62	412.69	-368.46	710.70	710.70	13.01	440445.87	644567.87	N 32 12 37.52 W 103 59 58.40	
	9768.00	26.23	171.96	9664.87	446.94	-402.25	719.05	719.05	11.08	440412.09	644576.22	N 32 12 37.18 W 103 59 58.30	
KOP Actual	9816.00	31.34	171.13	9706.93	469.96	-425.10	722.46	722.46	10.88	440389.23	644579.63	N 32 12 36.96 W 103 59 58.27	
Lease Line Crossed	9863.00	36.35	170.53	9745.95	496.01	-450.93	726.63	726.63	10.68	440363.40	644583.81	N 32 12 36.70 W 103 59 58.22	
	9958.00	44.91	169.18	9817.98	557.40	-511.76	737.58	737.58	9.06	440302.59	644594.75	N 32 12 36.10 W 103 59 58.09	
100' FNL Crossed Wolfcamp Intersection	9977.00	46.56	171.93	9831.24	570.93	-525.18	739.81	739.81	13.54	440289.17	644596.98	N 32 12 35.97 W 103 59 58.07	
	10014.19	49.98	176.90	9856.00	598.65	-552.78	742.48	742.48	13.54	440261.57	644599.65	N 32 12 35.69 W 103 59 58.04	
	10053.00	53.74	181.56	9879.98	629.12	-583.28	742.86	742.86	13.54	440231.07	644600.03	N 32 12 35.39 W 103 59 58.03	
	10148.00	62.26	184.84	9930.28	709.01	-663.62	738.26	738.26	9.43	440150.73	644595.43	N 32 12 34.60 W 103 59 58.09	
	10243.00	68.94	184.72	9969.50	794.54	-749.79	731.06	731.06	7.03	440064.57	644588.23	N 32 12 33.75 W 103 59 58.18	
	10337.00	77.68	182.24	9996.48	883.80	-839.57	725.64	725.64	9.63	439974.80	644582.81	N 32 12 32.86 W 103 59 58.24	
	10432.00	79.99	181.30	10014.87	976.58	-932.72	722.76	722.76	2.62	439881.65	644579.94	N 32 12 31.94 W 103 59 58.28	
	10527.00	89.67	179.37	10023.42	1070.85	-1027.22	722.22	722.22	10.39	439787.17	644579.40	N 32 12 31.00 W 103 59 58.29	
	10587.00	90.80	178.64	10023.28	1130.79	-1087.21	723.27	723.27	1.97	439727.18	644580.44	N 32 12 30.41 W 103 59 58.28	
	10689.00	90.22	178.47	10022.55	1232.71	-1189.17	725.84	725.84	0.41	439625.23	644583.01	N 32 12 29.40 W 103 59 58.25	
	10782.00	90.29	178.31	10022.14	1325.65	-1282.13	728.45	728.45	0.19	439532.27	644585.62	N 32 12 28.48 W 103 59 58.23	
	10875.00	89.94	178.97	10021.95	1418.58	-1375.11	730.66	730.66	0.80	439439.31	644587.83	N 32 12 27.56 W 103 59 58.20	
	10972.00	90.49	179.67	10021.59	1515.45	-1472.10	731.81	731.81	0.92	439342.32	644588.98	N 32 12 26.60 W 103 59 58.19	
	11067.00	89.19	179.66	10021.85	1610.29	-1567.09	732.37	732.37	1.37	439247.33	644589.54	N 32 12 25.66 W 103 59 58.19	
	11162.00	88.88	179.52	10023.45	1705.13	-1662.08	733.05	733.05	0.36	439152.36	644590.22	N 32 12 24.72 W 103 59 58.19	
	11257.00	88.67	180.03	10025.48	1799.94	-1757.05	733.42	733.42	0.58	439057.39	644590.59	N 32 12 23.78 W 103 59 58.19	
	11352.00	89.32	180.23	10027.15	1894.72	-1852.04	733.20	733.20	0.72	438962.41	644590.37	N 32 12 22.84 W 103 59 58.19	
	11447.00	88.84	179.93	10028.68	1989.51	-1947.03	733.07	733.07	0.60	438867.43	644590.24	N 32 12 21.90 W 103 59 58.20	
	11537.00	88.98	178.83	10032.29	2179.21	-2138.98	735.13	735.13	0.58	438767.50	644592.30	N 32 12 20.02 W 103 59 58.18	
	11632.00	90.35	179.61	10032.85	2274.09	-2231.96	736.42	736.42	1.66	438682.52	644593.59	N 32 12 19.08 W 103 59 58.17	
	11732.00	91.01	180.10	10031.72	2368.90	-2326.96	738.66	738.66	0.87	438487.53	644593.83	N 32 12 18.14 W 103 59 58.17	
	11827.00	91.80	180.90	10029.39	2463.63	-2421.92	735.83	735.83	1.18	438392.57	644593.00	N 32 12 17.20 W 103 59 58.18	
	11922.00	91.15	181.65	10026.94	2558.25	-2516.87	733.72	733.72	1.04	438297.64	644590.89	N 32 12 16.26 W 103 59 58.21	
	12017.00	90.77	182.14	10025.33	2652.79	-2611.80	730.58	730.58	0.65	438202.71	644587.75	N 32 12 15.32 W 103 59 58.25	
	12112.00	90.46	182.56	10024.33	2747.27	-2706.71	726.68	726.68	0.55	438107.80	644583.85	N 32 12 14.38 W 103 59 58.30	
	12207.00	89.84	183.19	10024.08	2841.66	-2801.59	721.92	721.92	0.93	438012.93	644579.09	N 32 12 13.44 W 103 59 58.36	
	12302.00	89.43	183.41	10024.69	2935.96	-2896.43	716.45	716.45	0.49	437918.10	644573.62	N 32 12 12.50 W 103 59 58.42	
	12492.00	88.46	183.47	10026.44	3030.22	-2991.25	710.75	710.75	1.02	437823.30	644567.92	N 32 12 11.57 W 103 59 58.49	
	12587.00	88.60	184.50	10028.88	3124.35	-3085.98	704.15	704.15	1.09	437728.57	644561.32	N 32 12 10.63 W 103 59 58.57	
	12682.00	86.60	184.06	10032.85	3218.36	-3180.63	690.25						

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 ° ' ")
	16479.00	90.08	181.60	10020.55	7005.87	-6974.83	711.46	0.87	433840.04	644568.63	N 32 11 32.15	W 103 59 58.63
	16669.00	90.91	181.85	10018.91	7195.03	-7164.73	705.74	0.46	433850.15	644562.91	N 32 11 30.27	W 103 59 58.70
	16764.00	90.70	179.87	10017.58	7289.73	-7259.71	704.31	2.10	433555.18	644561.49	N 32 11 29.33	W 103 59 58.72
	16859.00	90.94	180.14	10016.22	7384.53	-7354.70	704.31	0.38	433460.20	644561.48	N 32 11 28.39	W 103 59 58.73
	17049.00	90.63	179.76	10013.61	7574.14	-7544.68	704.47	0.26	433270.23	644561.64	N 32 11 26.51	W 103 59 58.73
	17239.00	90.53	179.11	10011.69	7763.85	-7734.66	706.34	0.35	433080.27	644563.52	N 32 11 24.83	W 103 59 58.72
	17334.00	91.28	180.70	10010.19	7858.66	-7829.64	706.50	1.85	432985.29	644563.68	N 32 11 23.69	W 103 59 58.72
	17524.00	90.05	179.18	10007.99	8048.27	-8019.62	706.70	1.03	432795.33	644563.87	N 32 11 21.81	W 103 59 58.72
	17619.00	89.67	178.67	10008.22	8143.17	-8114.60	708.48	0.67	432700.35	644565.66	N 32 11 20.87	W 103 59 58.71
	17809.00	90.22	179.70	10008.40	8332.94	-8304.58	711.19	0.61	432510.39	644568.36	N 32 11 18.99	W 103 59 58.68
	17903.00	90.29	179.54	10007.98	8426.79	-8398.58	711.81	0.19	432416.40	644569.79	N 32 11 17.12	W 103 59 58.67
	17998.00	89.53	179.49	10008.13	8521.65	-8493.58	712.61	0.80	432321.41	644569.79	N 32 11 15.24	W 103 59 58.68
	18188.00	89.87	180.36	10009.13	8711.28	-8683.57	712.86	0.49	432131.43	644570.03	N 32 11 14.30	W 103 59 58.69
	18283.00	89.98	180.74	10009.25	8806.02	-8778.57	711.95	0.42	432036.44	644569.12	N 32 11 13.36	W 103 59 58.72
	18378.00	90.18	182.16	10009.12	8900.65	-8873.53	709.55	1.51	431941.48	644566.72	N 32 11 12.42	W 103 59 58.76
	18473.00	90.29	181.21	10008.73	8995.24	-8968.49	706.75	1.01	431846.54	644563.93	N 32 11 11.48	W 103 59 58.79
	18568.00	90.63	182.17	10007.96	9089.82	-9063.44	703.95	1.07	431751.59	644561.12	N 32 11 10.54	W 103 59 58.84
	18663.00	90.29	182.25	10007.20	9184.33	-9158.37	700.29	0.37	431656.67	644557.46	N 32 11 9.60	W 103 59 58.88
	18758.00	90.15	181.71	10006.84	9278.87	-9253.31	697.01	0.59	431561.74	644555.18	N 32 11 8.72	W 103 59 58.92
	18848.00	89.63	180.01	10007.20	9468.28	-9443.28	694.15	0.94	431371.78	644551.33	N 32 11 7.72	W 103 59 58.92
	19043.00	90.35	179.34	10007.22	9563.12	-9538.28	694.69	1.04	431276.79	644551.33	N 32 11 6.78	W 103 59 58.92
	19137.00	90.49	179.11	10006.53	9657.00	-9632.27	695.96	0.29	431182.81	644553.14	N 32 11 5.85	W 103 59 58.91
	19327.00	90.05	179.72	10005.63	9846.73	-9822.26	697.90	0.40	430992.84	644555.08	N 32 11 3.97	W 103 59 58.89
	19422.00	89.91	179.65	10005.67	9941.57	-9917.25	698.43	0.16	430897.85	644555.07	N 32 11 3.03	W 103 59 58.89
	19517.00	89.36	179.78	10006.27	10036.41	-10012.25	698.90	0.59	430802.86	644556.07	N 32 11 2.09	W 103 59 58.89
	19612.00	89.60	179.97	10007.13	10131.23	-10107.25	699.11	0.32	430707.87	644556.28	N 32 11 1.15	W 103 59 58.89
	19802.00	88.88	179.34	10009.65	10320.90	-10297.22	700.25	0.50	430517.91	644557.42	N 32 10 59.27	W 103 59 58.88
	19897.00	88.46	179.62	10011.86	10415.73	-10392.19	701.11	0.53	430422.95	644558.29	N 32 10 58.33	W 103 59 58.87
	19992.00	89.63	179.54	10013.44	10510.57	-10487.18	701.81	1.23	430327.97	644558.98	N 32 10 57.39	W 103 59 58.87
	20182.00	90.60	179.51	10013.06	10700.28	-10677.17	703.38	0.51	430138.00	644560.56	N 32 10 55.51	W 103 59 58.86
330' FSL Crossed	20222.00	90.95	179.36	10012.52	10740.22	-10717.16	703.78	0.94	430098.00	644560.95	N 32 10 55.12	W 103 59 58.85
Final MWD Proj to TD	20277.00	91.42	179.16	10011.39	10795.14	-10772.15	704.49	0.94	430043.03	644561.66	N 32 10 54.57	W 103 59 58.85
	20301.00	91.04	178.60	10010.87	10819.11	-10796.14	704.96	2.82	430019.04	644562.13	N 32 10 54.34	W 103 59 58.84
	20342.00	91.04	178.60	10010.13	10860.07	-10837.12	705.96	0.00	429978.06	644563.13	N 32 10 53.93	W 103 59 58.83

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	26.500	1/98.425	30.000	30.000 GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 36H Gyro + MWD 0-20342MD
	1	26.500	26.500	Act Stns	30.000	30.000 GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 36H Gyro + MWD 0-20342MD
	1	26.500	411.500	Act Stns	30.000	30.000 GYD_GC+DROP+OH	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 36H Gyro
	1	411.500	9520.000	Act Stns	30.000	30.000 A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 36H Gyro + MWD 0-20342MD
	1	9520.000	10587.000	Act Stns	30.000	30.000 A009Mb_MWD+IFR1+SAG	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 36H Gyro
	1	10587.000	20342.000	Act Stns	30.000	30.000 A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 36H Gyro + MWD 0-20342MD

...Original Borehole\Oxy Salt Flat CC 20-29 Federal Com 36H Gyro + MWD 0-20342MD

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-7949

Oxy USA, Inc. [OGRID 16696]
Salt Flat CC 20 29 Federal Com Well No. 36H
API No. 30-015-45050

Proposed Location

	<u>Footages</u>	<u>Unit/Lot</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	421 FSL & 1201 FEL	P	17	24S	29E	Eddy
First Take Point	100 FSL & 500 FEL	A	20	24S	29E	Eddy
Last Take Point	330 FNL & 499 FEL	P	29	24S	29E	Eddy
Terminus	20 FNL & 500 FEL	P	29	24S	29E	Eddy

Proposed Horizontal Gas Units

<u>Description</u>	<u>Acres</u>	<u>Pool</u>	<u>Pool Code</u>
E2 of Section 20	640	Purple Sage; Wolfcamp (GAS)	98220
E2 of Section 29			

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 SE/4

Administrative Order NSL-7949
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.

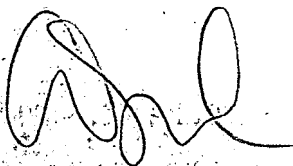
The Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the E2 of Section 20 and Section 29.

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