

District I
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Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45048	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 321601	Property Name SALT FLAT CC "20-29" FEDERAL COM	Well Number 34H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2925.1'

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	1271'	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
O	29	24 SOUTH	29 EAST, N.M.P.M.		196 196	SOUTH	1720 1799	EAST	EDDY
Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.	FTP- 202 FNL 1727 FEL LTP- 466 FSL 1791 FEL					
			NSL-7948						

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.

SURFACE LOCATION NEW MEXICO EAST NAD 1983 Y=440814.67 US FT X=643787.23 US FT LAT.: N 32.2114424° LONG.: W 104.0020760° GRID AZ = 223°35'13" 647.02' 18 17 Y=440400.96 US FT X=642408.43 US FT 50' 1271' 17 16 Y=440386.90 US FT X=645061.34 US FT 421' 17 16 1720' 20 21 1727' KICK OFF POINT NEW MEXICO EAST NAD 1983 Y=440346.02 US FT X=643341.14 US FT LAT.: N 32.2101579° LONG.: W 104.0035230° FIRST TAKE POINT NEW MEXICO EAST NAD 1983 Y=440296.01 US FT X=643341.11 US FT LAT.: N 32.2100204° LONG.: W 104.0035235° 19 20 30 29 Y=435091.40 US FT X=642396.58 US FT LAST TAKE POINT NEW MEXICO EAST NAD 1983 Y=430100.38 US FT X=643336.48 US FT LAT.: N 32.1819940° LONG.: W 104.0036396° BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 Y=429790.38 US FT X=643336.34 US FT LAT.: N 32.1811418° LONG.: W 104.0036431° 10555.64' IN ALL GRID AZ = 180°01'34" 1791' 29 28 Y=432416.31 US FT X=645050.13 US FT 1799' 29 28 Y=429772.79 US FT X=642417.82 US FT 196 1791' 29 28 Y=429765.85 US FT X=645056.40 US FT		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 <i>[Signature]</i> Date 2/18/20 Jana Mendiola Printed Name jarnalyn_mendiola@oxy.com Email Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 15079 OCTOBER 19 2012 Date of Survey Signature and Seal of Professional Surveyor <i>[Signature]</i> Certificate Number 15079 WO# 171019WL-e-XY (Rev. B) (KA)
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Intent ☐ As Drilled ☒

API #
30-015-45048

Operator Name: OXY USA INC.	Property Name: SALT FLAT CC 20-29 FEDERAL COM	Well Number 34H
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Kick Off Point (KOP)

UL B	Section 20	Township 24S	Range 29E	Lot	Feet 261	From N/S N	Feet 1745	From E/W E	County EDDY
Latitude 32.21101					Longitude -104.00361			NAD NAD83	

First Take Point (FTP)

UL B	Section 20	Township 24S	Range 29E	Lot	Feet 202	From N/S N	Feet 1727	From E/W E	County EDDY
Latitude 32.20973					Longitude -104.00356			NAD NAD83	

Last Take Point (LTP)

UL O	Section 29	Township 24S	Range 29E	Lot	Feet 466	From N/S S	Feet 1791	From E/W E	County EDDY
Latitude 32.18236					Longitude -104.00386			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

November 25, 2019

Oxy USA Incorporated
5 Greenway Plaza, Suite 110
Houston, TX 77046-0521

Re:

CLIENT: Oxy USA Incorporated
WELL: Salt Flat CC 20-29 Federal Com 34H
FIELD: Purple Sage-Wolfcamp (GAS)

S17, T24S, R29E Eddy, NM
N 32.21144 W -104.00208

RIG: HP 656
COUNTY: Eddy
API NO: 30-015-45048
JOB NO: 19MLH0367

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>
J. Koestner FS	Salt Flat CC 20-29 Federal Com 34H Original Hole	564.00 Ft to 20414.00 Ft	November 4, 2019 to November 17, 2019	SlimPulse

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 -104.00208

I, J. Koestner certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of November 04, 2019 through November 17, 2019, conduct or supervise the taking of the SlimPulse surveys from a depth of 564.00 feet to a depth of 20414.00 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 34H Well (Original Hole) API No. 30-015-45048 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

J. Koestner

FS



Subscribed and Sworn to before me this 25 day of November (month) 2019 (yr)

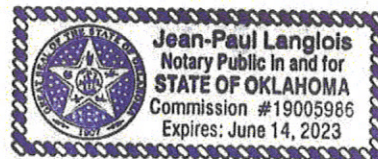
My Commission expires:

6/14/2023

Notary Public

Jean-Paul Langlois
Comanche, Oklahoma
(County State)

(signature)



Schlumberger

OXY

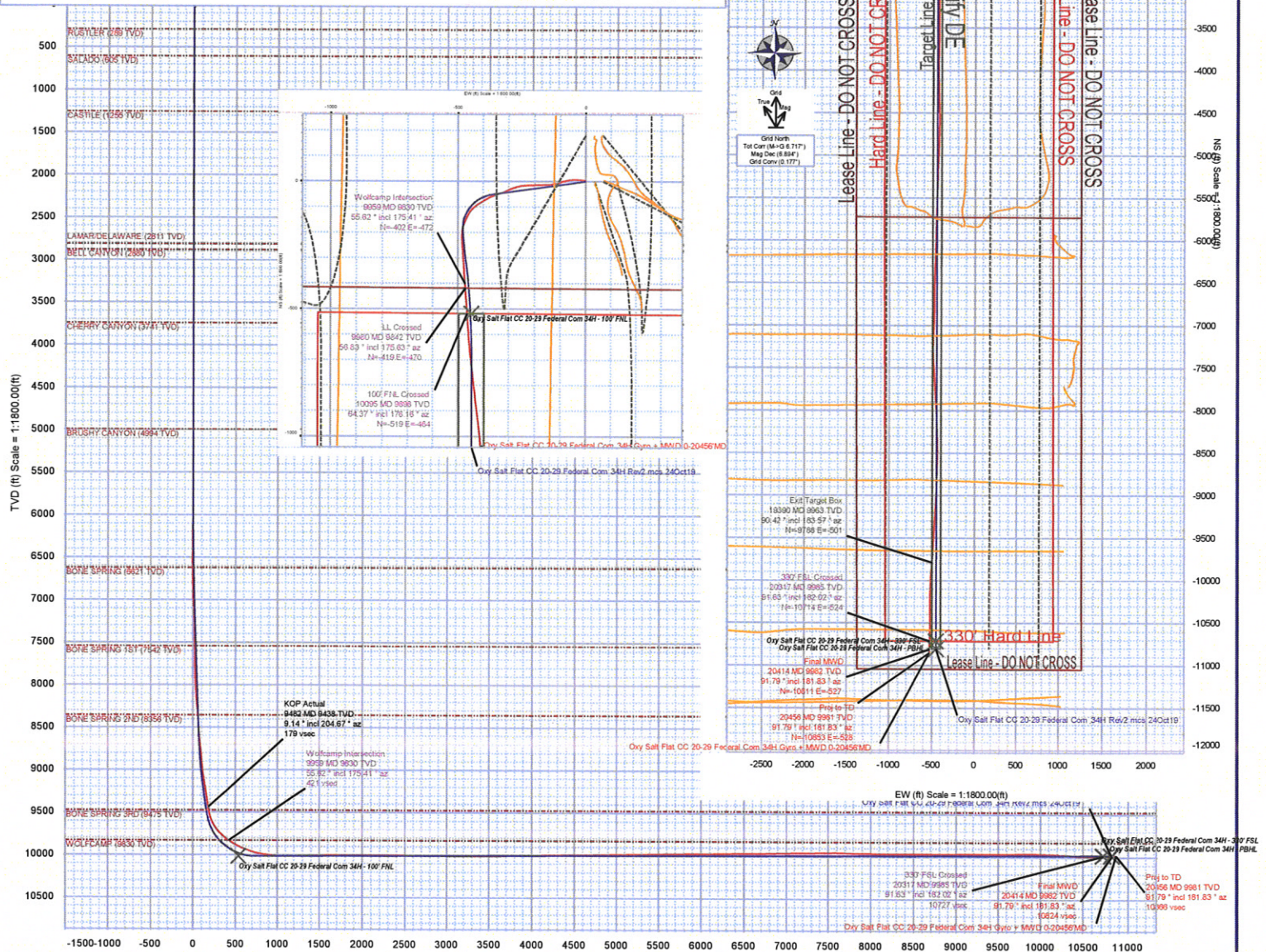


Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Salt Flat CC 20-29 Federal Com 34H	NM Eddy County (NAD 83)	Oxy Salt Flat CC 20-29 Federal Com 34H

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: IFR1	Lat: N 32 12 41.19	Northings: 440814.67HUS	Oxy Salt Flat CC
Dip: 59.92°	Long: W 104 0 7.47	Easting: 643787.23HUS	20-29 Federal
Date: 02-Nov-2019			TVD Ref: RKB(2951.6ft above MSL)
FS: 47857.7nT			Com 34H
Gravity FS: 998.469mgm (8.80665 Based)			Plan: Oxy Salt Flat CC 20-29 Federal Com 34H Gyro + MWD 0-20456MD
		Scale Fact: 0.99992111	

Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(°)/S(-)	E(°)/W(-)	DLS
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	
Last Gyro	409.50	0.20	18.85	409.49	-1.82	1.84	-0.42	0.54
KOP Actual	9482.00	9.14	204.67	9438.17	179.03	-159.80	-473.82	0.49
Wolfcamp Intersection	9959.24	55.62	175.41	9830.00	420.72	-401.77	-471.82	5.90
LL Crossed	9980.00	56.83	175.63	9841.54	437.85	-418.98	-470.47	5.90
100' FNL Crossed	10095.00	64.37	176.16	9898.40	537.12	-518.61	-463.65	7.74
Exit Target Box	19390.00	90.42	183.57	9962.94	9800.64	-9788.35	-500.80	1.98
330' FSL Crossed	20317.00	91.63	182.02	9985.03	10726.83	-10714.37	-523.78	0.26
Final MWD	20414.00	91.79	181.83	9982.14	10823.78	-10811.28	-527.04	0.26
Proj to TD	20456.00	91.79	181.83	9980.83	10865.76	-10853.23	-528.38	0.00



Vertical Section (ft) Azim = 182.34° Scale = 1:1800.00(ft) Origin = 0N-S, 0E-W

Oxy Salt Flat CC 20-29 Federal Com 34H Gyro + MWD 0-20456 MD Survey

Geodetic Report

(Def Survey)



Report Date: November 18, 2019 - 10:07 AM Client: OXY Field: NM Eddy County (NAD 83) Structure / Slot: Oxy Salt Flat CC 20-29 Federal Com 34H / Oxy Salt Flat CC 20-29 Federal Com 34H Well: Oxy Salt Flat CC 20-29 Federal Com 34H Borehole: Original Borehole UW / API#: Unknown / 30-015-45048 Survey Name: Oxy Salt Flat CC 20-29 Federal Com 34H Gyro + MWD 0-20456 MD Survey Date: October 21, 2019 Tort / AHD / DDI / ERD Ratio: 231.792' / 11239.907 ft / 6.726' / 1.123 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 12' 41.19258", W 104° 0' 7.47346" Location Grid N/E Y/X: N 440814.670 RUS, E 643787.230 RUS CRS Grid Convergence Angle: 0.1766° Grid Scale Factor: 0.99992111 Version / Patch: 2.10.782.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 182.342° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 2951.600 ft above MSL Seabed / Ground Elevation: 2925.100 ft above MSL Magnetic Declination: 6.894° Total Gravity Field Strength: 998.4689mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47857.700 nT Magnetic Dip Angle: 59.920° Declination Date: November 02, 2019 Magnetic Declination Model: IIFR1 North Reference: Grid North Grid Convergence Used: 0.1766° Total Corr Mag North->Grid North: 6.7174° Local Coord Referenced To: Well Head	
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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
WRP SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	440814.67	643787.23	N 32 12 41.19	W 104 0 7.47
	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	440814.67	643787.23	N 32 12 41.19	W 104 0 7.47
	99.50	0.22	1.68	99.50	-0.14	0.14	0.00	0.30	440814.81	643787.23	N 32 12 41.19	W 104 0 7.47
Last Gyro	126.50	0.32	354.21	126.50	-0.27	0.27	0.00	0.39	440814.94	643787.23	N 32 12 41.20	W 104 0 7.47
	155.50	0.35	338.79	155.50	-0.43	0.43	-0.04	0.33	440815.10	643787.19	N 32 12 41.20	W 104 0 7.47
	182.50	0.48	323.15	182.50	-0.59	0.60	-0.14	0.63	440815.27	643787.09	N 32 12 41.20	W 104 0 7.48
	211.50	0.37	347.17	211.50	-0.78	0.79	-0.23	0.71	440815.46	643787.00	N 32 12 41.20	W 104 0 7.48
	241.50	0.36	343.06	241.50	-0.96	0.97	-0.28	0.09	440815.64	643786.95	N 32 12 41.20	W 104 0 7.48
	268.50	0.38	335.36	268.50	-1.12	1.13	-0.34	0.20	440815.80	643786.89	N 32 12 41.20	W 104 0 7.48
	300.50	0.33	22.19	300.50	-1.30	1.31	-0.35	0.89	440815.98	643786.88	N 32 12 41.21	W 104 0 7.48
	331.50	0.33	336.58	331.50	-1.46	1.48	-0.36	0.83	440816.15	643786.87	N 32 12 41.21	W 104 0 7.48
	363.50	0.30	348.96	363.49	-1.63	1.65	-0.41	0.23	440816.32	643786.82	N 32 12 41.21	W 104 0 7.48
	394.50	0.23	358.72	394.49	-1.77	1.79	-0.43	0.27	440816.46	643786.80	N 32 12 41.21	W 104 0 7.48
	409.50	0.20	18.85	409.49	-1.82	1.84	-0.42	0.54	440816.51	643786.81	N 32 12 41.21	W 104 0 7.48
	564.00	0.05	139.25	563.99	-2.03	2.05	-0.29	0.15	440816.72	643786.94	N 32 12 41.21	W 104 0 7.48
	655.00	0.03	315.83	654.99	-2.02	2.03	-0.28	0.09	440816.70	643786.95	N 32 12 41.21	W 104 0 7.48
	744.00	0.05	44.59	743.99	-2.07	2.08	-0.27	0.06	440816.75	643786.96	N 32 12 41.21	W 104 0 7.48
	835.00	0.05	102.34	834.99	-2.09	2.10	-0.20	0.05	440816.77	643787.03	N 32 12 41.21	W 104 0 7.48
	927.00	0.05	59.80	926.99	-2.10	2.11	-0.13	0.04	440816.78	643787.10	N 32 12 41.21	W 104 0 7.47
	1018.00	0.04	337.31	1017.99	-2.15	2.15	-0.10	0.07	440816.83	643787.13	N 32 12 41.21	W 104 0 7.47
	1109.00	0.06	141.82	1108.99	-2.15	2.15	-0.09	0.11	440816.82	643787.14	N 32 12 41.21	W 104 0 7.47
	1201.00	0.07	222.88	1200.99	-2.07	2.07	-0.09	0.09	440816.74	643787.14	N 32 12 41.21	W 104 0 7.47
	1290.00	0.05	16.93	1289.99	-2.06	2.07	-0.12	0.13	440816.74	643787.11	N 32 12 41.21	W 104 0 7.47
	1382.00	0.05	265.83	1381.99	-2.10	2.10	-0.15	0.09	440816.77	643787.08	N 32 12 41.21	W 104 0 7.48
	1474.00	0.07	96.98	1473.99	-2.09	2.09	-0.13	0.13	440816.76	643787.10	N 32 12 41.21	W 104 0 7.47
	1565.00	0.06	258.30	1564.99	-2.07	2.08	-0.12	0.14	440816.75	643787.11	N 32 12 41.21	W 104 0 7.47
	1664.00	0.03	272.34	1663.99	-2.06	2.07	-0.20	0.03	440816.74	643787.03	N 32 12 41.21	W 104 0 7.48
	1759.00	0.03	136.22	1758.99	-2.04	2.05	-0.21	0.06	440816.72	643787.02	N 32 12 41.21	W 104 0 7.48
	1853.00	0.04	342.92	1852.99	-2.06	2.07	-0.20	0.07	440816.74	643787.03	N 32 12 41.21	W 104 0 7.48
	1948.00	0.06	3.60	1947.99	-2.14	2.15	-0.21	0.03	440816.82	643787.02	N 32 12 41.21	W 104 0 7.48
	2043.00	0.08	125.24	2042.99	-2.15	2.16	-0.15	0.13	440816.83	643787.08	N 32 12 41.21	W 104 0 7.48
	2138.00	0.09	75.57	2137.99	-2.14	2.14	-0.02	0.08	440816.81	643787.21	N 32 12 41.21	W 104 0 7.47
	2233.00	0.06	233.46	2232.99	-2.13	2.13	0.01	0.16	440816.80	643787.24	N 32 12 41.21	W 104 0 7.47
	2328.00	0.00	101.05	2327.99	-2.10	2.10	-0.03	0.06	440816.77	643787.20	N 32 12 41.21	W 104 0 7.47
	2423.00	0.04	47.72	2422.99	-2.12	2.12	-0.01	0.04	440816.79	643787.22	N 32 12 41.21	W 104 0 7.47
	2518.00	0.08	163.99	2517.99	-2.08	2.08	0.04	0.11	440816.75	643787.27	N 32 12 41.21	W 104 0 7.47
	2613.00	0.08	30.39	2612.99	-2.07	2.07	0.09	0.15	440816.74	643787.32	N 32 12 41.21	W 104 0 7.47
	2708.00	0.09	176.63	2707.99	-2.06	2.06	0.13	0.17	440816.73	643787.36	N 32 12 41.21	W 104 0 7.47
	2803.00	0.08	198.21	2802.99	-1.92	1.92	0.11	0.04	440816.59	643787.34	N 32 12 41.21	W 104 0 7.47
	2898.00	0.05	34.11	2897.99	-1.89	1.89	0.11	0.14	440816.56	643787.34	N 32 12 41.21	W 104 0 7.47
	2993.00	0.05	53.25	2992.99	-1.95	1.95	0.17	0.02	440816.62	643787.40	N 32 12 41.21	W 104 0 7.47
	3088.00	0.05	165.72	3087.99	-1.94	1.93	0.21	0.09	440816.60	643787.44	N 32 12 41.21	W 104 0 7.47
	3183.00	0.05	184.67	3182.99	-1.86	1.85	0.22	0.02	440816.52	643787.45	N 32 12 41.21	W 104 0 7.47
3277.00	0.08	270.12	3276.99	-1.82	1.81	0.15	0.10	440816.48	643787.38	N 32 12 41.21	W 104 0 7.47	
3372.00	0.05	14.98	3371.99	-1.85	1.85	0.09	0.11	440816.52	643787.32	N 32 12 41.21	W 104 0 7.47	
3467.00	0.06	40.76	3466.99	-1.93	1.93	0.14	0.03	440816.60	643787.37	N 32 12 41.21	W 104 0 7.47	
3562.00	0.07	169.95	3561.99	-1.91	1.91	0.18	0.12	440816.58	643787.41	N 32 12 41.21	W 104 0 7.47	
3657.00	0.05	5.05	3656.99	-1.90	1.89	0.19	0.13	440816.56	643787.42	N 32 12 41.21	W 104 0 7.47	
3752.00	0.08	215.81	3751.99	-1.89	1.88	0.16	0.13	440816.55	643787.39	N 32 12 41.21	W 104 0 7.47	
3847.00	0.07	216.77	3846.99	-1.78	1.78	0.08	0.01	440816.45	643787.31	N 32 12 41.21	W 104 0 7.47	
3942.00	0.07	220.18	3941.99	-1.69	1.69	0.01	0.00	440816.36	643787.24	N 32 12 41.21	W 104 0 7.47	
4037.00	0.06	224.20	4036.99	-1.61	1.61	-0.06	0.01	440816.28	643787.17	N 32 12 41.21	W 104 0 7.47	
4132.00	0.07	2.93	4131.99	-1.63	1.63	-0.09	0.13	440816.30	643787.14	N 32 12 41.21	W 104 0 7.47	
4227.00	0.07	289.26	4226.99	-1.70	1.71	-0.14	0.09	440816.38	643787.09	N 32 12 41.21	W 104 0 7.48	
4322.00	0.07	51.11	4321.99	-1.76	1.76	-0.15	0.13	440816.43	643787.08	N 32 12 41.21	W 104 0 7.48	
4417.00	0.08	309.87	4416.99	-1.84	1.84	-0.16	0.12	440816.51	643787.07	N 32 12 41.21	W 104 0 7.48	
4511.00	0.06	182.99	4510.99	-1.83	1.84	-0.21	0.13	440816.51	643787.02	N 32 12 41.21	W 104 0 7.48	
4606.00	0.08	87.02	4605.99	-1.78	1.79	-0.15	0.11	440816.46	643787.08	N 32 12 41.21	W 104 0 7.48	
4701.00	0.07	1.05	4700.99	-1.85	1.85	-0.08	0.11	440816.52	643787.15	N 32 12 41.21	W 104 0 7.47	
4797.00	0.06	253.47	4796.99	-1.89	1.90	-0.13	0.11	440816.57	643787.10	N 32 12 41.21	W 104 0 7.47	
4892.00	0.06	37.21	4891.99	-1.91	1.92	-0.15	0.12	440816.59	643787.08	N 32 12 41.21	W 104 0 7.48	
4987.00	0.06	105.71	4986.99	-1.94	1.95	-0.07	0.07	440816.62	643787.16	N 32 12 41.21	W 104 0 7.47	
5082.00	0.05	106.92	5081.99	-1.92	1.92	0.02	0.01	440816.59	643787.25	N 32 12 41.21	W 104 0 7.47	
5177.00	0.06	315.06	5176.99	-1.94	1.95	0.02	0.11	440816.62	643787.25	N 32 12 41.21	W 104 0 7.47	
5272.00	0.08	166.79	5271.99	-1.91	1.92	0.00	0.14	440816.59	643787.23	N 32 12 41.21	W 104 0 7.47	
5367.00	0.06	209.24	5366.99	-1.81	1.81	0.00	0.06	440816.48	643787.23	N 32 12 41.21	W 104 0 7.47	
5462.00	0.07	153.80	5461.99	-1.71	1.71	0.00	0.06	440816.38	643787.23	N 32 12 41.21	W 104 0 7.47	
5557.00	0.08	184.66	5556.99	-1.59	1.59	0.02	0.04	440816.26	643787.25	N 32 12 41.21	W 104 0 7.47	
5652.00	0.07	93.04	5651.99	-1.53	1.53	0.07	0.11	440816.30	643787.30	N 32 12 41.21	W 104 0 7.47	
5748.00	0.07	211.36	5747.99	-1.47	1.47	0.10	0.13	440816.14	643787.33	N 32 12 41.21	W 104 0 7.47	
5843.00	0.07	319.90	5842.99	-1.47	1.47	0.03	0.12	440816.14	643787.26	N 32 12 41.21	W 104 0 7.47	
6033.00	1.24	279.00	6032.98	-1.79	1.88	-2.08	0.63	440816.55	643785.15	N 32 12 41.21	W 104 0 7.50	
6128.00	2.31	284.95	6127.93	-2.33	2.53	-4.94	1.14	440817.20	643782.29	N 32 12 41.22	W 104 0 7.53	
6224.00	3.32	286.21	6223.81	-3.42	3.81	-9.48	1.05	440818.48	643777.75	N 32 12 41.23	W 104 0 7.58	
6319.00	3.84	279.82	6318.63	-4.49	5.12	-15.26	0.69	440819.79	643771.98	N 32 12 41.24	W 104 0 7.65	
6414.00	4.85	275.13	6413.35	-5.10	6.02	-22.39	1.13	440820.69	643764.84	N 32 12 41.25	W 104 0 7.73	
6509.00	5.52	271.95	6507.96	-5.26	6.53	-30.96	0.77	440821.20	643756.28	N 32 12 41.26	W 104 0 7.83	

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 ° ' ")
	6604.00	6.06	270.61	6602.48	-5.08	6.74	-40.54	0.59	440821.41	643746.70	N 32 12 41.26 W 104 0 7.95	
	6700.00	6.40	268.69	6697.91	-4.59	6.67	-50.95	0.42	440821.34	643736.28	N 32 12 41.26 W 104 0 8.07	
	6795.00	8.07	261.49	6792.15	-2.99	5.57	-62.84	2.00	440820.24	643724.39	N 32 12 41.25 W 104 0 8.20	
	6890.00	7.93	258.68	6886.23	-0.19	3.29	-75.86	0.44	440817.96	643711.37	N 32 12 41.23 W 104 0 8.36	
	6985.00	8.07	254.23	6980.31	3.43	0.19	-88.71	0.67	440814.86	643698.53	N 32 12 41.20 W 104 0 8.51	
	7081.00	7.80	247.70	7075.39	8.24	-4.11	-101.22	0.98	440810.56	643686.02	N 32 12 41.16 W 104 0 8.65	
	7176.00	8.37	253.94	7169.45	13.11	-8.47	-113.83	1.10	440806.20	643673.41	N 32 12 41.11 W 104 0 8.80	
	7271.00	9.99	262.21	7263.23	16.75	-11.50	-128.64	2.20	440803.17	643658.60	N 32 12 41.08 W 104 0 8.97	
	7366.00	10.63	267.94	7356.70	18.87	-12.93	-145.56	1.27	440801.74	643641.68	N 32 12 41.07 W 104 0 9.17	
	7461.00	9.90	268.09	7450.18	20.15	-13.52	-162.48	0.77	440801.15	643624.77	N 32 12 41.06 W 104 0 9.37	
	7556.00	10.29	269.50	7543.71	21.17	-13.86	-179.12	0.49	440800.81	643608.12	N 32 12 41.06 W 104 0 9.56	
	7651.00	10.79	266.96	7637.10	22.43	-14.41	-196.49	0.72	440800.26	643590.76	N 32 12 41.06 W 104 0 9.76	
	7746.00	10.22	267.69	7730.51	23.94	-15.22	-213.79	0.62	440799.45	643573.46	N 32 12 41.05 W 104 0 9.96	
	7840.00	10.14	268.88	7823.03	25.12	-15.72	-230.40	0.24	440798.95	643556.85	N 32 12 41.04 W 104 0 10.16	
	7935.00	10.62	261.02	7916.48	27.34	-17.25	-247.40	1.57	440797.42	643539.85	N 32 12 41.03 W 104 0 10.35	
	8030.00	11.08	255.99	8009.79	31.63	-20.82	-264.91	1.11	440793.85	643522.34	N 32 12 40.99 W 104 0 10.56	
	8125.00	10.56	250.54	8103.10	37.44	-25.93	-281.97	1.21	440788.74	643505.28	N 32 12 40.94 W 104 0 10.76	
	8220.00	10.07	245.30	8196.56	44.45	-32.31	-297.73	1.11	440782.37	643489.53	N 32 12 40.88 W 104 0 10.94	
	8315.00	10.33	245.57	8290.06	52.06	-39.30	-313.03	0.28	440775.37	643474.23	N 32 12 40.81 W 104 0 11.12	
	8410.00	10.11	251.17	8383.56	58.91	-45.51	-328.68	1.07	440769.16	643458.58	N 32 12 40.75 W 104 0 11.30	
	8505.00	10.71	251.56	8476.99	65.05	-51.00	-344.94	0.64	440763.68	643442.32	N 32 12 40.70 W 104 0 11.49	
	8600.00	10.79	248.11	8570.33	71.83	-57.10	-361.57	0.68	440757.57	643425.69	N 32 12 40.64 W 104 0 11.68	
	8695.00	10.59	241.27	8663.68	79.99	-64.62	-377.47	1.35	440750.06	643409.79	N 32 12 40.56 W 104 0 11.87	
	8790.00	10.46	240.79	8757.08	89.01	-73.02	-392.66	0.17	440741.66	643394.61	N 32 12 40.48 W 104 0 12.05	
	8885.00	10.19	238.86	8850.55	98.15	-81.57	-407.38	0.46	440733.10	643379.89	N 32 12 40.40 W 104 0 12.22	
	8980.00	9.95	236.65	8944.08	107.58	-90.43	-421.42	0.48	440724.25	643365.84	N 32 12 40.31 W 104 0 12.38	
	9074.00	10.58	231.71	9036.58	117.94	-100.24	-434.98	1.15	440714.43	643352.28	N 32 12 40.21 W 104 0 12.54	
	9169.00	10.14	219.74	9129.85	131.08	-112.87	-447.83	2.55	440701.81	643339.44	N 32 12 40.09 W 104 0 12.69	
	9264.00	9.37	205.23	9223.18	145.96	-127.35	-457.98	2.37	440687.33	643329.28	N 32 12 39.95 W 104 0 12.81	
	9359.00	9.52	204.64	9316.81	160.51	-141.61	-465.43	1.14	440673.07	643321.84	N 32 12 39.81 W 104 0 12.90	
	9404.00	9.14	204.67	9438.17	167.33	-148.31	-468.54	0.40	440666.38	643318.73	N 32 12 39.74 W 104 0 12.93	
	9482.00	9.14	204.67	9438.17	179.03	-159.80	-473.82	0.49	440654.88	643313.45	N 32 12 39.63 W 104 0 12.99	
	9577.00	14.22	199.00	9531.17	197.20	-177.70	-480.77	5.48	440636.98	643306.50	N 32 12 39.45 W 104 0 13.08	
	9672.00	27.61	180.83	9619.80	230.57	-210.93	-484.91	15.50	440603.76	643302.36	N 32 12 39.12 W 104 0 13.12	
	9767.00	37.47	174.32	9699.81	281.33	-261.83	-482.36	11.00	440552.86	643304.91	N 32 12 38.62 W 104 0 13.10	
	9862.00	47.62	176.43	9769.71	345.01	-325.78	-477.30	10.79	440488.92	643309.97	N 32 12 37.98 W 104 0 13.04	
	9957.00	55.49	175.39	9828.73	418.88	-399.93	-471.96	8.33	440414.77	643315.30	N 32 12 37.25 W 104 0 12.98	
Wolfcamp Intersection LL Crossed	9959.24	55.62	175.41	9830.00	420.72	-401.77	-471.82	5.90	440412.93	643315.45	N 32 12 37.23 W 104 0 12.98	
	9980.00	56.83	175.63	9841.54	437.85	-418.98	-470.47	5.90	440395.73	643316.80	N 32 12 37.06 W 104 0 12.96	
	10052.00	61.04	176.33	9878.68	499.13	-480.49	-466.15	5.90	440334.22	643321.12	N 32 12 36.45 W 104 0 12.92	
100' FNL Crossed	10095.00	64.37	176.16	9898.40	537.12	-518.61	-463.65	7.74	440296.10	643323.62	N 32 12 36.07 W 104 0 12.89	
	10147.00	68.39	175.97	9919.23	584.47	-566.13	-460.38	7.74	440248.59	643326.89	N 32 12 35.60 W 104 0 12.85	
	10242.00	70.55	174.81	9952.55	672.78	-654.80	-453.22	2.54	440159.92	643334.04	N 32 12 34.73 W 104 0 12.77	
	10336.00	77.07	173.03	9978.75	762.02	-744.51	-443.65	7.17	440070.22	643343.62	N 32 12 33.84 W 104 0 12.66	
	10431.00	83.43	173.48	9994.83	854.42	-837.44	-432.66	6.71	439977.29	643354.61	N 32 12 32.92 W 104 0 12.54	
	10526.00	83.64	172.17	10005.52	947.52	-931.10	-420.87	1.39	439883.65	643366.40	N 32 12 31.99 W 104 0 12.41	
	10621.00	88.12	176.49	10012.35	1041.30	-1025.34	-411.52	6.54	439789.41	643375.74	N 32 12 31.06 W 104 0 12.30	
	10692.00	90.87	176.23	10012.98	1111.91	-1096.19	-407.01	3.89	439718.57	643380.25	N 32 12 30.36 W 104 0 12.25	
	10798.00	91.27	177.36	10011.00	1217.39	-1202.00	-401.09	1.13	439612.76	643386.17	N 32 12 29.31 W 104 0 12.18	
	10891.00	91.38	179.03	10008.85	1310.12	-1294.93	-398.16	1.80	439519.85	643389.10	N 32 12 28.39 W 104 0 12.15	
	10984.00	91.14	182.85	10006.80	1403.05	-1387.88	-399.69	4.11	439426.90	643387.58	N 32 12 27.47 W 104 0 12.17	
	11171.00	90.96	182.49	10003.37	1590.02	-1574.64	-408.40	0.22	439240.15	643378.87	N 32 12 25.62 W 104 0 12.28	
	11264.00	90.45	180.17	10002.23	1682.99	-1667.60	-410.55	2.55	439147.20	643376.71	N 32 12 24.70 W 104 0 12.31	
	11358.00	90.07	180.96	10001.80	1776.94	-1761.60	-411.48	0.93	439053.22	643375.78	N 32 12 23.77 W 104 0 12.33	
	11451.00	89.83	180.63	10001.88	1869.91	-1854.59	-412.77	0.44	438960.23	643374.49	N 32 12 22.85 W 104 0 12.34	
	11544.00	89.80	180.48	10002.18	1962.86	-1947.58	-413.67	0.16	438867.24	643373.59	N 32 12 21.93 W 104 0 12.36	
	11637.00	89.80	180.71	10002.51	2055.82	-2040.58	-414.64	0.25	438774.26	643372.63	N 32 12 21.01 W 104 0 12.37	
	11731.00	90.24	180.44	10002.48	2149.77	-2134.57	-415.58	0.55	438680.27	643371.68	N 32 12 20.08 W 104 0 12.39	
	11824.00	89.42	180.18	10002.75	2242.71	-2227.57	-416.08	0.92	438587.28	643371.18	N 32 12 19.16 W 104 0 12.40	
	11917.00	89.80	180.91	10003.38	2335.66	-2320.56	-416.97	0.88	438494.29	643370.30	N 32 12 18.24 W 104 0 12.41	
	12010.00	89.73	180.56	10003.77	2428.63	-2413.55	-418.16	0.38	438401.31	643369.10	N 32 12 17.32 W 104 0 12.43	
	12107.00	89.69	180.77	10004.26	2525.58	-2510.55	-419.29	0.22	438304.33	643367.98	N 32 12 16.36 W 104 0 12.44	
	12202.00	89.58	181.77	10004.86	2620.56	-2605.52	-421.39	1.06	438209.36	643365.87	N 32 12 15.42 W 104 0 12.47	
	12297.00	89.96	180.58	10005.24	2715.54	-2700.50	-423.34	1.31	438114.39	643363.92	N 32 12 14.48 W 104 0 12.50	
	12392.00	89.79	180.98	10005.45	2810.51	-2795.49	-424.63	0.46	438019.41	643362.63	N 32 12 13.54 W 104 0 12.52	
	12487.00	89.21	181.30	10006.28	2905.48	-2890.47	-426.52	0.70	437924.44	643360.74	N 32 12 12.60 W 104 0 12.54	
	12582.00	89.55	180.73	10007.31	3000.45	-2985.44	-428.21	0.70	437829.47	643359.06	N 32 12 11.66 W 104 0 12.56	
	12677.00	89.00	179.94	10008.51	3095.38	-3080.43	-428.76	1.01	437734.49	643358.50	N 32 12 10.72 W 104 0 12.57	
	12772.00	89.96	180.01	10009.37	3190.30	-3175.43	-428.72	1.01	437639.50	643358.54	N 32 12 9.78 W 104 0 12.58	
	12866.00	89.10	179.95	10010.14	3284.21	-3269.42	-428.69	0.92	437545.51	643358.58	N 32 12 8.85 W 104 0 12.58	
	12961.00	89.69	179.12	10011.15	3379.09	-3364.41	-427.92	1.07	437450.53	643359.35	N 32 12 7.91 W 104 0 12.57	
	13056.00	90.41	180.24	10011.06	3473.99	-3459.41	-427.39	1.40	437355.54	643359.88	N 32 12 6.97 W 104 0 12.57	
	13151.00	90.34	179.67	10010.44	3568.90	-3554.41	-427.31	0.60	437260.55	643359.95	N 32 12 6.03 W 104 0 12.57	
	13246.00	93.89	182.15	10006.94	3663.78	-3649.31	-428.82	4.56	437165.66	643358.45	N 32 12 5.10 W 104 0 12.59	
	13341.00	90.89	180.49	10002.97	3758.67	-3744.19	-431.00	3.61	437070.79	643356.26	N 32 12 4.16 W 104 0 12.62	
	13436.00	90.82	181.19	10001.56	3853.63	-3839.17	-432.39	0.74	436975.81	643354.87	N 32 12 3.22 W 104 0 12.64	
	13531.00	90.62	179.96	10000.36	3948.57	-3934.15	-433.35	1.31	436880.84	643353.92	N 32 12 2.28 W 104 0 12.6	

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 ° ' ")
	17139.00	90.62	175.66	9956.20	7553.71	-7540.32	-481.92	1.75	433274.96	643305.35	N 32 11 26.59 W 104 0 13.35	
	17234.00	87.97	176.81	9957.37	7648.16	-7635.09	-475.68	3.04	433180.19	643311.59	N 32 11 25.66 W 104 0 13.28	
	17329.00	87.83	176.86	9960.85	7742.65	-7729.89	-470.44	0.16	433085.41	643316.83	N 32 11 24.72 W 104 0 13.22	
	17424.00	89.14	176.66	9963.36	7837.17	-7824.70	-465.07	1.39	432990.60	643322.19	N 32 11 23.78 W 104 0 13.17	
	17519.00	89.45	176.79	9964.53	7931.70	-7919.54	-459.65	0.35	432895.77	643327.62	N 32 11 22.84 W 104 0 13.11	
	17709.00	89.69	177.09	9965.96	8120.86	-8109.26	-449.50	0.20	432706.07	643337.76	N 32 11 20.96 W 104 0 12.99	
	17804.00	89.52	177.71	9966.61	8215.50	-8204.16	-445.19	0.68	432611.17	643342.07	N 32 11 20.02 W 104 0 12.95	
	17898.00	89.65	178.11	9967.29	8309.22	-8298.09	-441.77	0.45	432517.25	643345.50	N 32 11 19.10 W 104 0 12.91	
	18088.00	90.82	180.01	9966.51	8498.89	-8488.06	-438.65	1.17	432327.30	643348.62	N 32 11 17.22 W 104 0 12.88	
	18183.00	88.79	181.81	9966.84	8593.85	-8583.03	-440.16	2.86	432232.33	643347.11	N 32 11 16.28 W 104 0 12.90	
	18278.00	89.62	181.56	9968.15	8688.84	-8677.98	-442.95	0.91	432137.39	643344.31	N 32 11 15.34 W 104 0 12.94	
	18373.00	89.69	181.58	9968.73	8783.82	-8772.95	-445.55	0.08	432042.43	643341.71	N 32 11 14.40 W 104 0 12.97	
	18563.00	90.48	182.76	9968.44	8973.82	-8962.80	-452.75	0.75	431852.59	643334.52	N 32 11 12.52 W 104 0 13.06	
	18658.00	90.17	182.78	9967.90	9068.81	-9057.69	-457.34	0.33	431757.71	643329.93	N 32 11 11.58 W 104 0 13.12	
	18753.00	90.44	183.11	9967.40	9163.81	-9152.56	-462.22	0.45	431662.85	643325.05	N 32 11 10.64 W 104 0 13.18	
	18848.00	89.93	183.80	9967.09	9258.79	-9247.39	-467.95	0.90	431568.03	643319.32	N 32 11 9.70 W 104 0 13.25	
	18943.00	89.96	183.14	9967.18	9353.77	-9342.22	-473.70	0.70	431473.21	643313.57	N 32 11 8.76 W 104 0 13.32	
	19038.00	90.31	183.22	9966.96	9448.76	-9437.07	-478.97	0.38	431378.36	643308.30	N 32 11 7.83 W 104 0 13.38	
	19133.00	90.93	183.67	9965.93	9543.73	-9531.89	-484.67	0.81	431283.55	643302.60	N 32 11 6.89 W 104 0 13.45	
	19227.00	89.69	183.44	9965.42	9637.71	-9625.71	-490.50	1.34	431189.74	643296.77	N 32 11 5.96 W 104 0 13.53	
	19322.00	91.75	183.75	9964.23	9732.68	-9720.51	-496.46	2.19	431094.95	643290.81	N 32 11 5.02 W 104 0 13.60	
Exit Target Box	19390.00	90.42	183.57	9962.94	9800.64	-9788.35	-500.80	1.98	431027.11	643286.47	N 32 11 4.35 W 104 0 13.65	
	19417.00	89.89	183.50	9962.87	9827.64	-9815.30	-502.46	1.98	431000.16	643284.81	N 32 11 4.08 W 104 0 13.67	
	19512.00	88.66	183.47	9964.07	9922.61	-9910.12	-508.24	1.30	430905.35	643279.03	N 32 11 3.15 W 104 0 13.74	
	19607.00	88.21	182.09	9966.67	10017.57	-10004.97	-512.84	1.53	430810.51	643274.43	N 32 11 2.21 W 104 0 13.80	
	19702.00	88.34	181.77	9969.53	10112.52	-10099.87	-516.04	0.36	430715.62	643271.23	N 32 11 1.27 W 104 0 13.84	
	19797.00	87.14	180.29	9973.27	10207.42	-10194.78	-517.75	2.00	430620.72	643269.52	N 32 11 0.33 W 104 0 13.86	
	19892.00	87.56	180.17	9977.67	10302.25	-10289.67	-518.13	0.46	430525.83	643269.14	N 32 10 59.39 W 104 0 13.87	
	19987.00	87.11	180.14	9982.08	10397.08	-10384.57	-518.39	0.47	430430.94	643268.89	N 32 10 58.45 W 104 0 13.88	
	20082.00	88.28	179.96	9985.90	10491.93	-10479.49	-518.47	1.25	430336.02	643268.80	N 32 10 57.51 W 104 0 13.88	
	20177.00	89.86	181.19	9987.44	10586.86	-10574.47	-519.42	2.11	430241.05	643267.85	N 32 10 56.57 W 104 0 13.90	
	20272.00	91.55	182.11	9988.28	10681.85	-10669.42	-522.16	2.03	430146.11	643265.12	N 32 10 55.63 W 104 0 13.93	
330' FSL	20317.00	91.63	182.02	9985.03	10726.83	-10714.37	-523.78	0.26	430101.16	643263.49	N 32 10 55.19 W 104 0 13.95	
Crossed												
Final MWD	20414.00	91.79	181.83	9982.14	10823.78	-10811.28	-527.04	0.26	430004.27	643260.24	N 32 10 54.23 W 104 0 13.99	
Proj to TD	20456.00	91.79	181.83	9980.83	10865.76	-10853.23	-528.38	0.00	429962.31	643258.90	N 32 10 53.81 W 104 0 14.01	

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 34H Gyro + MWD 0-20456MD
	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 34H Gyro + MWD 0-20456MD
	1	26.500	20456.000	Act Stns	30.000	GYD_GC+DROP+OH	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 34H Gyro

...Original Borehole/Oxy Salt Flat CC 20-29 Federal Com 34H Gyro + MWD 0-20456MD

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-7948

**Oxy USA, Inc. [OGRID 16696]
Salt Flat CC 20 29 Federal Com Well No. 34H
API No. 30-015-45048**

Proposed Location

	<u>Footages</u>	<u>Unit/Lot</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	421 FSL & 1271 FEL	P	17	24S	29E	Eddy
First Take Point	100 FSL & 1720 FEL	B	20	24S	29E	Eddy
Last Take Point	330 FNL & 1719 FEL	O	29	24S	29E	Eddy
Terminus	20 FNL & 1720 FEL	O	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-7948

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.

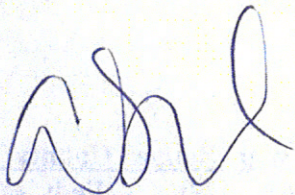
The Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the E2 of Section 20 and Section 29.

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

17-1/2" hole @ 430'
13-3/8" csg @ 419'
w/ 550sx-TOC-Surf. Circ.

9-7/8" hole @ 9430'
7-5/8" csg @ 9418'
w/ 2735sx-TOC-Surf. Circ.

5-1/2" csg tie-back @ 0-9299'

6-3/4" hole @ 20456'
5-1/2" liner @ 9299-20447'
w/831sx-TOC-9299' Circ.

6-3/4" hole @ 20456'
5-1/2" liner @ 9299-20447'
w/831sx-TOC-9299' Circ.

TD- 20456'M 9981'V