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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) 748-1253 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FEB 28 2020

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

☒ AMENDED REPORT
(As-Billed)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45080	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 321601	Property Name SALT FLAT CC "20-29" FEDERAL COM	Well Number 31H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2942.2'

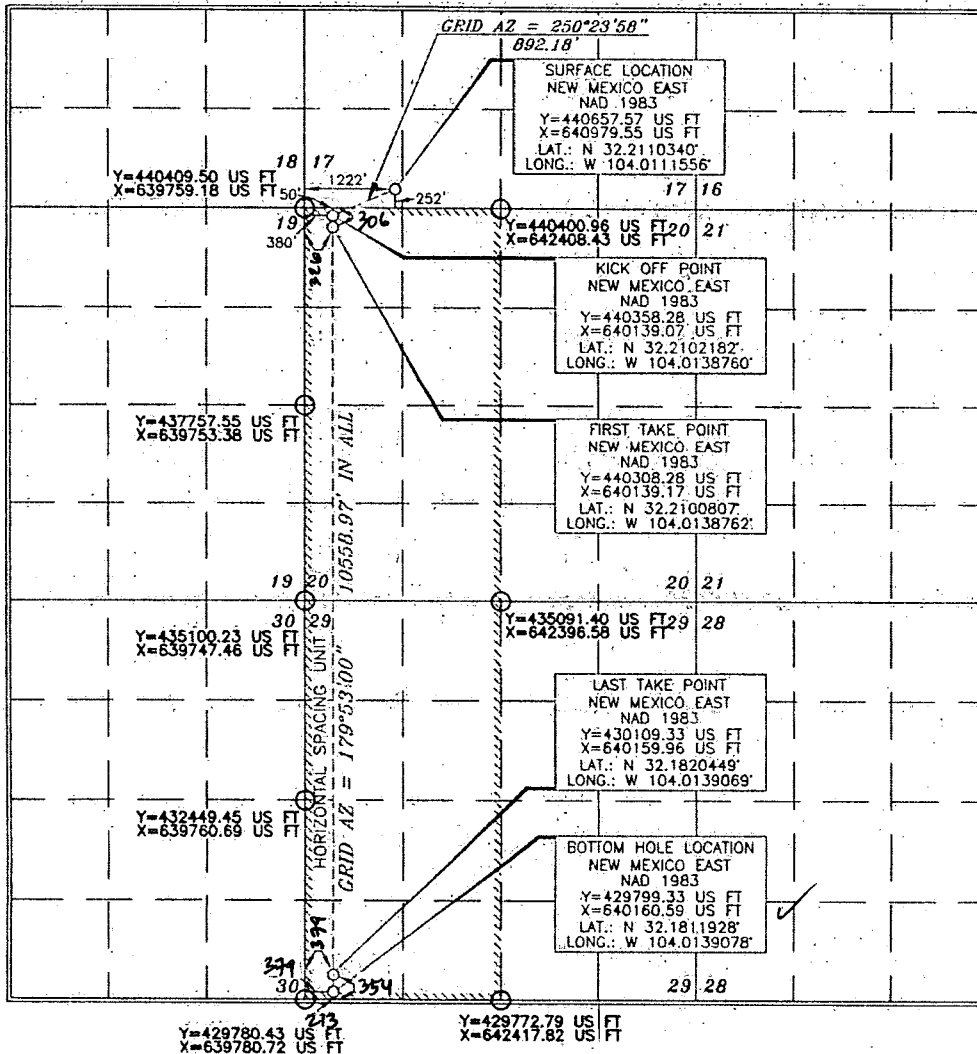
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	24 SOUTH	29 EAST, N.M.P.M.		252'	SOUTH	1222'	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
M	29	24 SOUTH	29 EAST, N.M.P.M.		300'	SOUTH	379'	WEST	EDDY
Dedicated Acres 640	Joint or Infill Y	Consolidation Code	Order No. NSL-7946	FTP - 306 FWL 326 FWL LTP - 354 FSL 379 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 to a voluntary pooling agreement or a compulsory pooling order heretofore entered into.

Signature: Jana Mendiola Date: 2/26/20

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 the original surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: OCTOBER 19 2017

Signature and Seal of Professional Surveyor: Tony J. Glaser

Certificate Number: 15079

W# 171019WL-d-XY (Rev. B) (KA)

RVP 4/30/20

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EMNRD-OCDARTESIA

Intent ☐ As Drilled ☒

API # 30-015-45080		
Operator Name: OXY USA INC.	Property Name: SALT FLAT CC 20-29 FEDERAL COM	Well Number 31H

Kick Off Point (KOP)

UL D	Section 20	Township 24S	Range 29E	Lot	Feet 85	From N/S N	Feet 509	From E/W W	County EDDY
Latitude 32.20891					Longitude -104.01346			NAD NAD83	

First Take Point (FTP)

UL D	Section 20	Township 24S	Range 29E	Lot	Feet 306	From N/S N	Feet 326	From E/W W	County EDDY
Latitude 32.20951					Longitude -104.01406			NAD NAD83	

Last Take Point (LTP)

UL M	Section 29	Township 24S	Range 29E	Lot	Feet 354	From N/S S	Feet 379	From E/W W	County EDDY
Latitude 32.18211					Longitude -104.01398			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)

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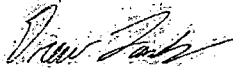
Schlumberger

EMNRD-OCDARTESIA

Well Reference:
S17, T24S, R29E, EDDY, NM
N 32.211034 W 104.01116

I, Drew Landry certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of December 01, 2019 through January 16, 2020, conduct or supervise the taking of the SlimPulse surveys from a depth of 548.00 feet to a depth of 20166.00 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 31H Well (Original Hole) API No. 30-015-45080 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
Drew Landry
FE



Subscribed and Sworn to before me this 25 day of January (month) 2020 (yr)

My Commission expires:

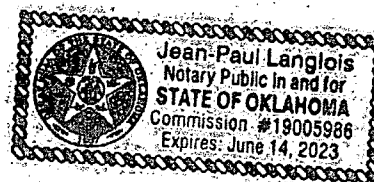
6/14/2020

Notary Public

Jean-Paul Langlois
Cowache Oklahoma

(County State)

(signature)



Schlumberger-Private

Schlumberger

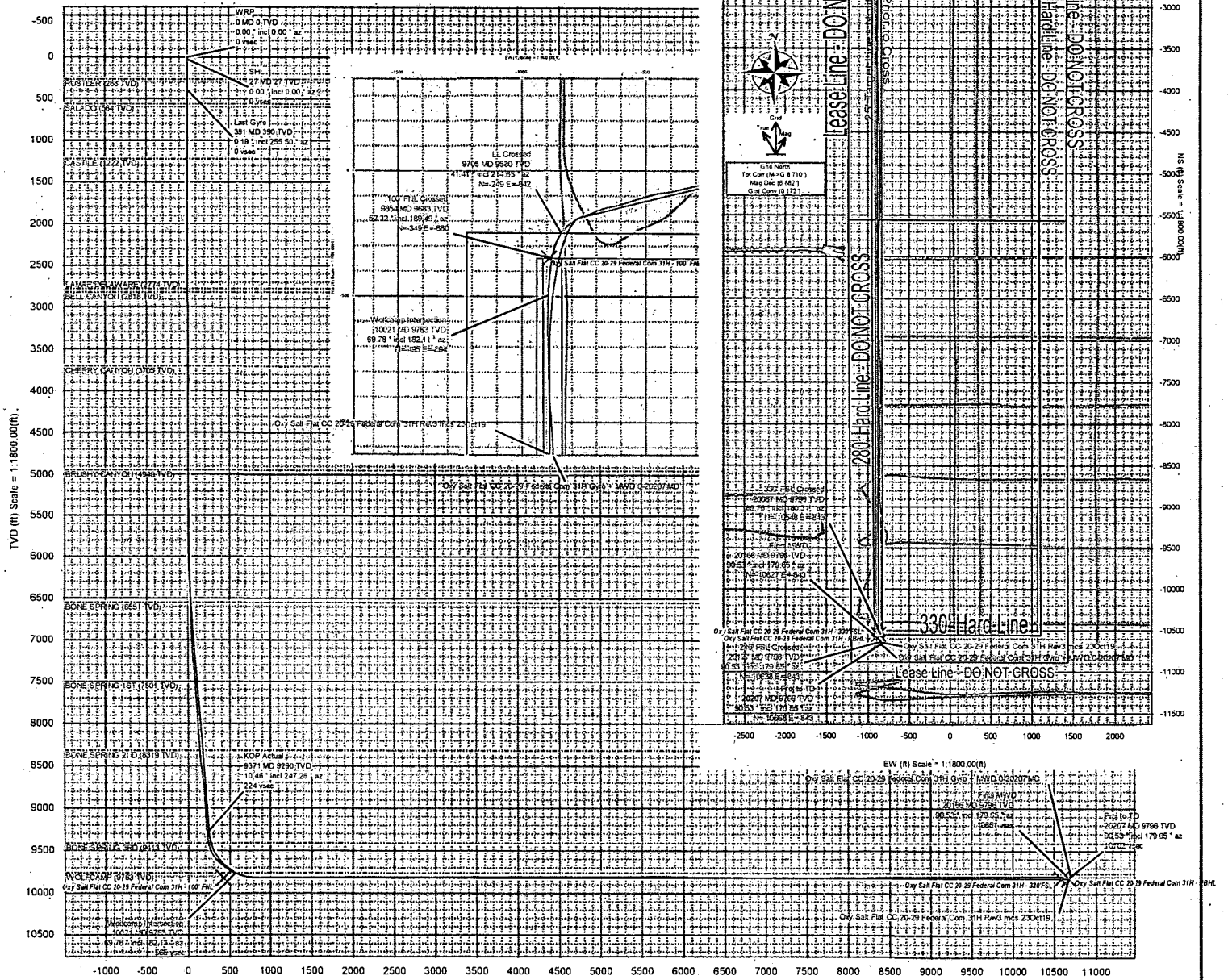
OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Salt Flat CC 20-29 Federal Com 31H	NM Eddy County (NAD 83)	Oxy Salt Flat CC 20-29 Federal Com 31H

Gravity & Magnetic Parameters	Surface Location	Miscellaneous
Model: IFR1 Dip: 59.917° Date: 07-Jan-2020 MagDec: 6.882° FS: 47833.2mT Gravity FS: 998.467mgm (9.80665 Based)	NAD83 New Mexico State Plane, Eastern Zone, US Feet Lat: N 32 12 39.72 Northing: 440657.57RUS Grid Conv: 0.1717° Lon: W 104 0 40.14 Easting: 540979.55RUS Scale Fact: 0.9992046	Oxy Salt Flat CC 20-29 Federal Com 31H Slot: 20-29 Federal Com 31H Plan: Oxy Salt Flat CC 20-29 Federal Com 31H Gyro + MWD 9-20207MD

Critical Points							
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)
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	390.50	0.19	255.50	390.50	-0.42	0.52	-1.15
KOP Actual	9371.00	10.46	247.26	9290.06	224.81	-167.19	-713.19
LL Crossed	9705.00	41.41	214.65	9580.17	317.10	-249.24	-842.07
100' FNL Crossed	9854.00	52.32	189.49	9682.78	419.85	-349.27	-879.53
Wolfcamp Intersection	10021.42	69.78	182.11	9762.70	566.10	-494.82	-894.01
330' FSL Crossed	20087.00	89.76	180.31	9796.50	10582.02	-10548.42	-842.79
Final MWD	20166.00	90.53	179.65	9796.37	10660.75	-10627.42	-842.79
240' FSL Crossed	20177.00	90.53	179.65	9796.26	10671.71	-10638.42	-842.72
Proj to TD	20207.00	90.53	179.65	9795.99	10701.60	-10668.42	-842.54



Vertical Section (ft) Azim = 184.58° Scale = 1:1800.00(f) Origin = 0N/-S, 0E/-W

Oxy Salt Flat CC 20-29 Federal Com 31H Gyro + MWD 0-20207 MD Survey

Geodetic Report

(Def Survey)



Report Date: January 17, 2020 - 12:45 PM Client: OXY Field: NM Eddy County (NAD 83) Structure / Slot: Oxy Salt Flat CC 20-29 Federal Com 31H / Oxy Salt Flat CC 20-29 Federal Com 31H Well: Oxy Salt Flat CC 20-29 Federal Com 31H Borehole: Original Borehole UWI / API#: Unknown / 30-015-45080 Survey Name: Oxy Salt Flat CC 20-29 Federal Com 31H Gyro + MWD 0-20207 MD Survey Date: November 27, 2019 Tot / AHD / DDI / ERD Ratio: 331.137' / 11355.146 ft / 6.889 / 1.157 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 12' 39.72238", W 104° 0' 40.16021" Location Grid N/E Y/X: N 440557.570 RUS, E 640979.550 RUS CRS Grid Convergence Angle: 0.1717° Grid Scale Factor: 0.99992046 Version / Patch: 2.10.794.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 184.679° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 2968.700 ft above MSL Seabed / Ground Elevation: 2942.200 ft above MSL Magnetic Declination: 6.882° Total Gravity Field Strength: 998.4671mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47839.200 nT Magnetic Dip Angle: 59.917° Declination Date: January 07, 2020 Magnetic Declination Model: IIFR1 North Reference: Grid North Grid Convergence Used: 0.1717° Total Corr Mag North->Grid North: 6.7103° 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	440657.57	640979.55	N 32 12 39.72 W 104 0 40.16	
	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	440657.57	640979.55	N 32 12 39.72 W 104 0 40.16	
	50.50	0.24	333.52	50.50	-0.04	0.04	-0.02	1.00	440657.61	640979.53	N 32 12 39.72 W 104 0 40.16	
	80.50	0.17	308.26	80.50	-0.12	0.13	-0.09	0.38	440657.70	640979.46	N 32 12 39.72 W 104 0 40.16	
	110.50	0.23	300.66	110.50	-0.17	0.19	-0.17	0.22	440657.76	640979.38	N 32 12 39.72 W 104 0 40.16	
	140.50	0.37	314.97	140.50	-0.26	0.29	-0.29	0.53	440657.86	640979.26	N 32 12 39.73 W 104 0 40.16	
	170.50	0.35	327.33	170.50	-0.40	0.43	-0.41	0.27	440658.00	640979.14	N 32 12 39.73 W 104 0 40.16	
	200.50	0.25	340.85	200.50	-0.53	0.57	-0.48	0.41	440658.14	640979.07	N 32 12 39.73 W 104 0 40.17	
	230.50	0.23	334.40	230.50	-0.64	0.69	-0.53	0.11	440658.26	640979.02	N 32 12 39.73 W 104 0 40.17	
	260.50	0.13	262.87	260.50	-0.69	0.74	-0.59	0.75	440658.31	640978.96	N 32 12 39.73 W 104 0 40.17	
	290.50	0.14	256.71	290.50	-0.67	0.72	-0.66	0.06	440658.29	640978.89	N 32 12 39.73 W 104 0 40.17	
	320.50	0.32	243.84	320.50	-0.61	0.68	-0.77	0.62	440658.25	640978.78	N 32 12 39.73 W 104 0 40.17	
	350.50	0.43	248.45	350.50	-0.52	0.60	-0.95	0.38	440658.17	640978.60	N 32 12 39.73 W 104 0 40.17	
	380.50	0.26	245.72	380.50	-0.44	0.53	-1.12	0.57	440658.10	640978.43	N 32 12 39.73 W 104 0 40.17	
Last Gyro	390.50	0.19	255.50	390.50	-0.42	0.52	-1.15	0.80	440658.09	640978.40	N 32 12 39.73 W 104 0 40.17	
	548.00	0.08	158.26	548.00	-0.24	0.35	-1.36	0.14	440657.92	640978.19	N 32 12 39.73 W 104 0 40.18	
	594.00	0.07	142.63	594.00	-0.19	0.30	-1.33	0.05	440657.87	640978.21	N 32 12 39.73 W 104 0 40.18	
	626.00	0.08	199.90	626.00	-0.15	0.26	-1.30	0.23	440657.83	640978.22	N 32 12 39.73 W 104 0 40.18	
	747.00	0.08	134.35	747.00	-0.02	0.12	-1.30	0.07	440657.69	640978.25	N 32 12 39.72 W 104 0 40.18	
	808.00	0.08	187.73	808.00	0.05	0.05	-1.27	0.12	440657.62	640978.28	N 32 12 39.72 W 104 0 40.18	
	898.00	0.10	186.50	898.00	0.19	-0.09	-1.29	0.02	440657.48	640978.26	N 32 12 39.72 W 104 0 40.18	
	988.00	0.05	187.46	988.00	0.31	-0.21	-1.31	0.06	440657.36	640978.24	N 32 12 39.72 W 104 0 40.18	
	1080.00	0.05	182.36	1080.00	0.39	-0.29	-1.31	0.00	440657.28	640978.24	N 32 12 39.72 W 104 0 40.18	
	1171.00	0.05	180.82	1171.00	0.47	-0.37	-1.32	0.00	440657.20	640978.23	N 32 12 39.72 W 104 0 40.18	
	1262.00	0.54	168.08	1261.99	0.92	-0.82	-1.23	0.54	440656.75	640978.32	N 32 12 39.71 W 104 0 40.17	
	1443.00	0.24	129.19	1442.99	1.95	-1.90	-0.76	0.21	440655.67	640978.79	N 32 12 39.70 W 104 0 40.17	
	1533.00	0.32	176.71	1532.99	2.31	-2.27	-0.60	0.26	440655.30	640978.95	N 32 12 39.70 W 104 0 40.17	
	1624.00	0.31	246.19	1623.99	2.68	-2.62	-0.81	0.39	440654.95	640978.74	N 32 12 39.70 W 104 0 40.17	
	1718.00	0.17	320.35	1717.99	2.70	-2.62	-1.13	0.33	440654.95	640978.42	N 32 12 39.70 W 104 0 40.17	
	1813.00	0.20	254.15	1812.99	2.66	-2.55	-1.38	0.21	440655.02	640978.17	N 32 12 39.70 W 104 0 40.18	
	1908.00	0.14	35.52	1907.99	2.62	-2.50	-1.47	0.34	440655.07	640978.08	N 32 12 39.70 W 104 0 40.18	
	2003.00	0.34	236.15	2002.99	2.69	-2.57	-1.64	0.50	440655.00	640977.91	N 32 12 39.70 W 104 0 40.18	
	2097.00	0.46	92.42	2096.99	2.85	-2.74	-1.49	0.81	440654.83	640978.06	N 32 12 39.70 W 104 0 40.18	
	2192.00	0.57	67.49	2191.98	2.82	-2.57	-0.67	0.26	440655.00	640978.88	N 32 12 39.70 W 104 0 40.17	
	2286.00	0.74	232.31	2285.98	2.82	-2.77	-0.72	1.38	440654.80	640978.83	N 32 12 39.70 W 104 0 40.17	
	2381.00	0.34	49.08	2380.98	3.03	-2.96	-1.00	1.14	440654.61	640978.55	N 32 12 39.69 W 104 0 40.17	
	2475.00	0.20	169.06	2474.98	2.99	-2.93	-0.75	0.50	440654.64	640978.80	N 32 12 39.69 W 104 0 40.17	
	2570.00	0.12	81.61	2569.98	3.12	-3.08	-0.62	0.24	440654.49	640978.93	N 32 12 39.69 W 104 0 40.17	
	2664.00	0.17	186.72	2663.98	3.24	-3.21	-0.54	0.25	440654.36	640979.01	N 32 12 39.69 W 104 0 40.17	
	2759.00	0.12	17.63	2758.98	3.28	-3.25	-0.53	0.30	440654.32	640979.02	N 32 12 39.69 W 104 0 40.17	
	2854.00	0.27	204.86	2853.98	3.40	-3.36	-0.59	0.41	440654.21	640978.96	N 32 12 39.69 W 104 0 40.17	
	2948.00	0.11	212.95	2947.98	3.69	-3.64	-0.73	0.17	440653.93	640978.82	N 32 12 39.69 W 104 0 40.17	
	3043.00	0.15	330.51	3042.98	3.66	-3.61	-0.85	0.24	440653.96	640978.70	N 32 12 39.69 W 104 0 40.17	
	3138.00	0.12	37.82	3137.97	3.48	-3.42	-0.85	0.16	440654.15	640978.70	N 32 12 39.69 W 104 0 40.17	
	3232.00	0.08	251.95	3231.97	3.42	-3.36	-0.85	0.20	440654.21	640978.70	N 32 12 39.69 W 104 0 40.17	
	3327.00	0.39	272.25	3326.97	3.46	-3.37	-1.23	0.33	440654.20	640978.32	N 32 12 39.69 W 104 0 40.17	
	3422.00	0.42	159.53	3421.97	3.79	-3.68	-1.44	0.71	440653.89	640978.11	N 32 12 39.69 W 104 0 40.18	
	3516.00	0.47	75.45	3515.97	3.97	-3.91	-0.94	0.64	440653.66	640978.61	N 32 12 39.68 W 104 0 40.17	
	3611.00	1.02	306.68	3610.97	3.40	-3.31	-1.24	1.44	440654.26	640978.31	N 32 12 39.69 W 104 0 40.17	
	3705.00	1.28	224.69	3704.95	3.76	-3.55	-2.65	1.62	440654.02	640977.90	N 32 12 39.69 W 104 0 40.19	
	3799.00	1.76	141.55	3798.93	5.61	-5.43	-2.49	2.18	440652.14	640977.06	N 32 12 39.67 W 104 0 40.19	
	3894.00	2.24	59.41	3893.89	5.61	-5.63	0.01	2.79	440651.94	640979.56	N 32 12 39.67 W 104 0 40.16	
	3989.00	2.78	354.70	3988.81	2.27	-2.39	1.40	2.87	440655.18	640980.95	N 32 12 39.70 W 104 0 40.14	
	4083.00	2.60	286.80	4082.73	-0.43	0.50	-0.85	3.20	440658.07	640978.70	N 32 12 39.73 W 104 0 40.17	
	4178.00	1.82	221.34	4177.67	0.33	-0.01	-3.91	2.61	440657.56	640975.64	N 32 12 39.72 W 104 0 40.21	
	4367.00	0.25	256.62	4366.64	2.87	-2.36	-6.30	0.86	440655.21	640973.25	N 32 12 39.70 W 104 0 40.23	
	4462.00	0.11	76.88	4461.64	2.90	-2.39	-6.41	0.38	440655.18	640973.14	N 32 12 39.70 W 104 0 40.23	
	4651.00	0.19	35.57	4650.64	2.58	-2.09	-6.05	0.07	440655.48	640973.50	N 32 12 39.70 W 104 0 40.23	
	4746.00	0.36	22.00	4745.63	2.16	-1.69	-5.85	0.19	440655.88	640973.70	N 32 12 39.71 W 104 0 40.23	
	4841.00	0.49	326.77	4840.63	1.55	-1.07	-5.96	0.43	440656.50	640973.59	N 32 12 39.71 W 104 0 40.23	
	4935.00	0.36	249.64	4934.63	1.36	-0.84	-6.46	0.57	440656.73	640973.10	N 32 12 39.71 W 104 0 40.24	
	5030.00	0.54	180.03	5029.63	1.93	-1.39	-6.74	0.56	440656.18	640972.82	N 32 12 39.71 W 104 0 40.24	
	5125.00	0.43	198.96	5124.62	2.72	-2.17	-6.85	0.20	440655.40	640972.70	N 32 12 39.70 W 104 0 40.24	
	5219.00	0.84	207.08	5218.62	3.70	-3.12	-7.28	0.45	440654.45	640972.27	N 32 12 39.69 W 104 0 40.25	
	5314.00	0.62	218.69	5313.61	4.77	-4.14	-7.92	0.28	440653.43	640971.63	N 32 12 39.68 W 104 0 40.25	
	5409.00	0.81	237.05	5408.60	5.61	-4.91	-8.80	0.31	440652.66	640970.75	N 32 12 39.67 W 104 0 40.26	
	5503.00	0.93	223.82	5502.59	6.61	-5.82	-9.89	0.25	440651.75	640969.66	N 32 12 39.67 W 104 0 40.28	
	5597.00	0.69	235.07	5596.58	7.56	-6.69	-10.88	0.31	440650.88	640968.67	N 32 12 39.66 W 104 0 40.29	
	5692.00	0.93	229.82	5691.57	8.47	-7.52	-11.94	0.26	440650.05	640967.61	N 32 12 39.65 W 104 0 40.30	
	5787.00	0.82	230.90	5786.56	9.48	-8.44	-13.06	0.12	440649.13	640966.50	N 32 12 39.64 W 104 0 40.31	
	5881.00	1.55	244.46	5880.54	10.59	-9.42	-14.72	0.83	440648.15	640964.83	N 32 12 39.63 W 104 0 40.33	
	5976.00	3.33	251.59	5975.45	12.32	-10.84	-18.50	1.90	440646.73	640961.05	N 32 12 39.62 W 104 0 40.38	
	6070.00	4.92	253.66	6069.21	14.83	-12.84	-24.96	1.70	440644.73	640954.59	N 32 12 39.60 W 104 0 40.45	
	6165.00	6.43	256.63	6163.74	17.94	-15.22	-34.05	1.62	440642.36	640945.51	N 32 12 39.57 W 104 0 40.56	
	6259.00	7.91	264.19	6257.00	20.75	-17.09	-45.60	1.86	440640.48	640933.95	N 32 12 39.55 W 104 0 40.69	
	6354.00	9.76	264.83	6350.87	23.32	-18.47	-60.13	1.95	440639.10	640919.43	N 32 12 39.54 W 104 0 40.88	

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 ° ' '')
	6449.00	10.92	266.25	6444.33	26.01	-19.79	-77.13	1.25	440637.78	640902.43	N 32 12 39.53 W 104	0 41.06	
	6543.00	11.57	267.37	6536.52	28.52	-20.80	-95.43	0.73	440636.77	640884.13	N 32 12 39.52 W 104	0 41.27	
	6638.00	12.35	265.90	6629.46	31.28	-21.97	-115.08	0.88	440635.60	640864.48	N 32 12 39.51 W 104	0 41.50	
	6732.00	13.06	266.48	6721.16	34.33	-23.34	-135.71	0.77	440634.23	640843.86	N 32 12 39.50 W 104	0 41.74	
	6827.00	11.35	266.51	6814.01	37.19	-24.57	-155.75	1.80	440633.01	640823.81	N 32 12 39.48 W 104	0 41.97	
	6922.00	9.32	259.91	6907.46	40.48	-26.48	-172.66	2.47	440631.09	640806.91	N 32 12 39.47 W 104	0 42.17	
	7017.00	9.85	256.38	7001.14	44.99	-29.74	-188.13	0.83	440627.83	640791.44	N 32 12 39.43 W 104	0 42.35	
	7111.00	10.33	252.85	7093.68	50.65	-34.12	-204.00	0.83	440623.45	640775.57	N 32 12 39.39 W 104	0 42.54	
	7206.00	12.18	252.70	7186.85	57.57	-39.62	-221.71	1.95	440617.96	640757.86	N 32 12 39.34 W 104	0 42.74	
	7300.00	13.35	253.61	7278.53	65.18	-45.63	-241.58	1.26	440611.95	640737.99	N 32 12 39.28 W 104	0 42.97	
	7395.00	13.42	254.08	7370.95	73.00	-51.75	-262.71	0.14	440605.83	640716.86	N 32 12 39.22 W 104	0 43.22	
	7490.00	14.07	256.50	7463.23	80.48	-57.46	-284.54	0.91	440600.11	640695.03	N 32 12 39.16 W 104	0 43.47	
	7585.00	15.35	257.96	7555.11	87.70	-62.78	-308.07	1.40	440594.79	640671.51	N 32 12 39.11 W 104	0 43.75	
	7679.00	14.33	258.20	7645.98	94.58	-67.76	-331.62	1.09	440589.82	640647.96	N 32 12 39.06 W 104	0 44.02	
	7774.00	12.41	254.90	7738.40	101.37	-72.82	-352.99	2.17	440584.75	640626.59	N 32 12 39.01 W 104	0 44.27	
	7869.00	11.77	256.25	7831.29	107.89	-77.78	-372.25	0.74	440579.79	640607.33	N 32 12 38.96 W 104	0 44.50	
	7963.00	12.41	258.69	7923.21	113.70	-82.04	-391.47	0.87	440575.53	640588.11	N 32 12 38.92 W 104	0 44.72	
	8058.00	13.59	262.88	8015.77	118.80	-85.43	-412.56	1.59	440572.15	640567.03	N 32 12 38.89 W 104	0 44.96	
	8153.00	12.88	262.97	8108.25	123.23	-88.11	-434.14	0.75	440569.47	640545.44	N 32 12 38.86 W 104	0 45.22	
	8247.00	12.45	258.59	8199.96	128.16	-91.40	-454.47	1.12	440566.18	640525.11	N 32 12 38.83 W 104	0 45.45	
	8342.00	13.83	254.64	8292.47	134.89	-96.43	-475.46	1.73	440561.15	640504.13	N 32 12 38.78 W 104	0 45.70	
	8436.00	15.65	252.60	8383.38	143.51	-103.20	-498.40	2.01	440554.38	640481.20	N 32 12 38.72 W 104	0 45.96	
	8531.00	16.33	253.97	8474.70	153.05	-110.72	-523.46	0.82	440546.86	640456.13	N 32 12 38.64 W 104	0 46.26	
	8626.00	17.52	252.31	8565.59	163.21	-118.75	-549.92	1.35	440538.83	640429.68	N 32 12 38.56 W 104	0 46.56	
	8720.00	17.58	250.01	8655.21	174.52	-127.90	-576.74	0.74	440529.68	640402.86	N 32 12 38.47 W 104	0 46.88	
	8815.00	15.72	253.64	8746.23	185.13	-136.43	-602.57	2.24	440521.15	640377.03	N 32 12 38.39 W 104	0 47.18	
	8909.00	12.73	258.14	8837.34	192.65	-142.15	-624.93	3.39	440515.43	640354.67	N 32 12 38.33 W 104	0 47.44	
	9004.00	11.53	261.64	8930.22	197.78	-145.68	-644.57	1.48	440511.90	640335.03	N 32 12 38.30 W 104	0 47.67	
	9098.00	11.57	255.46	9022.32	203.00	-149.41	-662.99	1.32	440508.17	640316.61	N 32 12 38.26 W 104	0 47.88	
	9193.00	11.43	251.66	9115.41	209.82	-154.77	-681.15	0.81	440502.81	640298.46	N 32 12 38.21 W 104	0 48.09	
	9278.00	11.21	248.28	9198.76	216.78	-160.48	-696.82	0.82	440497.11	640282.79	N 32 12 38.16 W 104	0 48.28	
	9339.00	10.98	247.44	9258.62	222.08	-164.90	-707.69	0.46	440492.68	640271.92	N 32 12 38.11 W 104	0 48.40	
	9371.00	10.46	247.26	9290.06	224.81	-167.19	-713.19	1.63	440490.39	640266.42	N 32 12 38.09 W 104	0 48.47	
	9465.00	21.09	254.36	9380.40	234.64	-175.07	-737.41	11.47	440482.51	640242.20	N 32 12 38.01 W 104	0 48.75	
	9559.00	32.94	243.01	9464.04	254.01	-191.30	-776.64	13.70	440466.29	640202.98	N 32 12 37.85 W 104	0 49.21	
	9653.00	38.84	225.57	9540.37	289.84	-223.65	-820.61	12.51	440433.94	640159.00	N 32 12 37.53 W 104	0 49.72	
	9705.00	41.41	214.65	9580.17	317.10	-249.24	-842.07	14.40	440408.35	640137.55	N 32 12 37.28 W 104	0 49.97	
	9747.00	44.17	206.72	9611.01	342.72	-273.76	-856.55	14.40	440383.83	640123.07	N 32 12 37.04 W 104	0 50.14	
	9841.00	50.87	190.13	9674.70	409.70	-339.23	-877.80	14.80	440318.37	640101.83	N 32 12 36.39 W 104	0 50.39	
	9854.00	52.32	189.49	9682.78	419.85	-349.27	-879.53	11.79	440308.33	640100.09	N 32 12 36.29 W 104	0 50.41	
	9935.00	61.41	185.99	9727.02	487.50	-416.40	-888.55	11.79	440241.20	640091.07	N 32 12 35.63 W 104	0 50.52	
	10021.42	69.78	182.11	9762.70	566.10	-494.82	-894.01	10.51	440162.79	640085.61	N 32 12 34.85 W 104	0 50.58	
	10029.00	70.52	181.79	9765.28	573.22	-501.95	-894.25	10.51	440155.66	640085.37	N 32 12 34.78 W 104	0 50.59	
	10124.00	73.05	180.88	9794.97	663.30	-592.15	-896.35	2.81	440065.46	640083.27	N 32 12 33.89 W 104	0 50.61	
	10218.00	85.61	177.70	9812.34	755.06	-684.32	-895.16	13.77	439973.30	640084.47	N 32 12 32.98 W 104	0 50.60	
	10312.00	90.81	179.50	9815.28	848.45	-778.21	-892.86	5.85	439879.42	640086.76	N 32 12 32.05 W 104	0 50.58	
	10344.00	90.50	179.21	9814.91	880.31	-810.21	-892.50	1.33	439847.43	640087.12	N 32 12 31.73 W 104	0 50.58	
	10395.00	90.12	177.96	9814.64	931.02	-861.19	-891.24	2.56	439796.45	640088.38	N 32 12 31.23 W 104	0 50.56	
	10488.00	90.05	175.29	9814.50	1023.10	-954.02	-885.77	2.87	439703.63	640093.85	N 32 12 30.31 W 104	0 50.50	
	10582.00	91.12	176.55	9813.54	1115.99	-1047.78	-879.08	1.76	439609.88	640100.54	N 32 12 29.38 W 104	0 50.43	
	10675.00	89.37	180.89	9813.14	1208.46	-1140.73	-877.00	5.03	439516.94	640102.62	N 32 12 28.46 W 104	0 50.41	
	10768.00	89.23	179.69	9814.28	1301.18	-1233.72	-877.48	1.30	439423.93	640102.15	N 32 12 27.54 W 104	0 50.42	
	10861.00	88.99	178.51	9815.72	1393.73	-1326.69	-876.02	1.29	439330.99	640103.61	N 32 12 26.62 W 104	0 50.40	
	10954.00	90.74	178.09	9815.94	1486.15	-1419.65	-873.26	1.94	439238.04	640106.36	N 32 12 25.70 W 104	0 50.37	
	11047.00	90.46	178.35	9814.97	1578.55	-1512.60	-870.37	0.41	439145.10	640109.25	N 32 12 24.78 W 104	0 50.34	
	11140.00	91.36	176.76	9813.49	1670.82	-1605.50	-866.40	1.96	439052.20	640113.22	N 32 12 23.86 W 104	0 50.30	
	11234.00	89.92	178.78	9812.44	1764.13	-1699.41	-862.74	2.64	438958.30	640116.88	N 32 12 22.93 W 104	0 50.26	
	11326.00	91.67	179.11	9811.16	1855.65	-1791.38	-861.05	1.94	438866.33	640118.57	N 32 12 22.02 W 104	0 50.24	
	11420.00	90.16	179.93	9809.66	1949.26	-1885.37	-860.26	1.83	438772.36	640119.36	N 32 12 21.09 W 104	0 50.24	
	11513.00	90.47	180.46	9809.15	2041.97	-1978.36	-860.58	0.66	438679.37	640119.04	N 32 12 20.17 W 104	0 50.24	
	11606.00	89.85	179.79	9808.89	2134.67	-2071.36	-860.78	0.98	438586.38	640118.84	N 32 12 19.25 W 104	0 50.25	
	11699.00	90.47	180.89	9808.63	2227.41	-2164.36	-861.33	1.36	438493.39	640118.29	N 32 12 18.33 W 104	0 50.26	
	11793.00	90.09	181.48	9808.17	2321.23	-2258.34	-863.28	0.75	438399.42	640116.34	N 32 12 17.40 W 104	0 50.29	
	11886.00	90.47	181.83	9807.72	2414.10	-2351.30	-865.96	0.56	438306.47	640113.66	N 32 12 16.48 W 104	0 50.32	
	11979.00	88.64	180.86	9808.44	2506.93	-2444.26	-868.15	2.23	438213.51	640111.47	N 32 12 15.56 W 104	0 50.35	
	12072.00	90.02	180.22	9809.53	2599.66	-2537.25	-869.02	1.64	438120.53	640110.60	N 32 12 14.64 W 104	0 50.36	
	12166.00	89.88	182.12	9809.81	2693.50	-2631.22	-870.94	2.03	438026.56	640108.68	N 32 12 13.71 W 104	0 50.39	
	12259.00	90.19	181.56	9809.55	2786.39	-2724.18	-873.93	0.69	437933.62	640105.69	N 32 12 12.79 W 104	0 50.43	
	12352.00	89.26	181.25	9810.00	2879.23	-2817.15	-876.21	1.05	437840.65	640103.41	N 32 12 11.87 W 104	0 50.46	
	12445.00	89.81	179.14	9810.75	2971.93	-2910.14	-877.17	1.53	437747.67	640102.45	N 32 12 10.95 W 104	0 50.47	
	12538.00	90.98	180.98	9810.11	3064.73	-3003.13	-877.92	1.68	437654.69	640101.70	N 32 12 10.03 W 104	0 50.48	
	12632.00	89.64	180.96	9809.60	3158.53	-3097.11	-879.51	1.43	437560.71	640100.11	N 32 12 9.10 W 104	0 50.50	
	12725.00	90.98	179.90	9809.10	3251.27	-3190.10	-880.21	1.84	437467.73	640098.41	N 32 12 8.18 W 104	0 50.52	
	12818.00	90.81	180.67	9807.65	3343.99	-3283.09	-880.67	0.85	437374.75	640096.95	N 32 12 7.26 W 104	0 50.52	
	12911.00	90.12	180.56	9806.89	3436.75	-3376.08	-881.67	0.75	437281.76	640097.95	N 32 12 6.34 W 104	0 50.54	
	13004.00	89.61	180.69	9807.11	3529.52	-3469.07	-882.69	0.57	437188.78	640096.94	N 32 12 5.42 W 104	0 50.55	
	13099.00	89.88	180.87	9807.54	3624.30	-3564.06	-883.98	0.34	437093.80	640095.64	N 32 12		

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 ° ' ")
	16130.00	90.14	182.79	9812.92	6642.73	-6593.58	-871.95	2.52	434064.53	640107.67	N 32 11 34.50 W 104	0 50.54
	16225.00	89.42	179.10	9813.28	6737.51	-6688.55	-873.52	3.96	433969.57	640106.10	N 32 11 33.56 W 104	0 50.56
	16319.00	90.25	178.09	9813.55	6830.98	-6782.52	-871.21	1.39	433875.61	640108.41	N 32 11 32.63 W 104	0 50.53
	16413.00	89.73	177.85	9813.57	6924.34	-6876.46	-867.88	0.61	433781.67	640111.74	N 32 11 31.70 W 104	0 50.50
	16508.00	89.90	177.52	9813.88	7018.63	-6971.38	-864.04	0.39	433686.76	640115.58	N 32 11 30.77 W 104	0 50.46
	16602.00	91.52	178.53	9812.71	7111.98	-7065.31	-860.81	2.03	433592.84	640118.81	N 32 11 29.84 W 104	0 50.42
	16696.00	88.97	175.75	9812.31	7205.15	-7159.18	-856.12	4.01	433498.98	640123.50	N 32 11 28.91 W 104	0 50.37
	16791.00	89.15	175.30	9813.87	7298.93	-7253.87	-848.70	0.51	433404.29	640130.91	N 32 11 27.97 W 104	0 50.29
	16885.00	89.04	177.50	9815.35	7391.93	-7347.67	-842.80	2.34	433310.50	640136.82	N 32 11 27.04 W 104	0 50.22
	16979.00	89.21	178.37	9816.79	7485.27	-7441.60	-839.42	0.94	433216.58	640140.20	N 32 11 26.11 W 104	0 50.19
	17073.00	89.80	180.17	9817.60	7578.84	-7535.58	-838.22	2.02	433122.60	640141.40	N 32 11 25.18 W 104	0 50.18
	17167.00	89.87	181.62	9817.87	7672.64	-7629.57	-839.69	1.54	433028.62	640139.93	N 32 11 24.25 W 104	0 50.20
	17261.00	93.59	184.78	9815.03	7766.53	-7723.35	-844.93	5.19	432934.85	640134.69	N 32 11 23.32 W 104	0 50.26
	17356.00	91.73	182.44	9810.62	7861.40	-7818.05	-850.90	3.14	432840.16	640128.72	N 32 11 22.39 W 104	0 50.33
	17453.00	88.40	180.95	9810.51	7958.26	-7914.99	-853.77	3.76	432743.23	640125.85	N 32 11 21.43 W 104	0 50.37
	17547.00	89.67	178.14	9812.33	8051.85	-8008.96	-853.02	3.17	432649.26	640126.60	N 32 11 20.50 W 104	0 50.37
	17641.00	89.39	179.34	9813.10	8145.34	-8102.93	-850.96	1.31	432555.30	640128.66	N 32 11 19.57 W 104	0 50.34
	17735.00	93.04	180.23	9810.88	8238.96	-8196.89	-850.60	3.71	432461.35	640129.02	N 32 11 18.64 W 104	0 50.34
	17830.00	90.74	180.82	9807.74	8333.65	-8291.83	-851.47	2.50	432366.42	640128.15	N 32 11 17.70 W 104	0 50.36
	17924.00	91.08	181.17	9806.25	8427.44	-8385.80	-853.11	0.52	432272.45	640126.51	N 32 11 16.77 W 104	0 50.38
	18018.00	91.18	180.72	9804.40	8521.23	-8479.77	-854.66	0.49	432178.49	640124.96	N 32 11 15.84 W 104	0 50.40
	18112.00	90.91	179.47	9802.68	8614.91	-8573.75	-854.81	1.36	432084.52	640124.81	N 32 11 14.91 W 104	0 50.41
	18300.00	89.81	179.70	9801.50	8802.16	-8761.74	-853.45	0.60	431896.54	640126.17	N 32 11 13.05 W 104	0 50.40
	18395.00	90.32	178.41	9801.39	8896.70	-8856.72	-851.88	1.46	431801.57	640127.74	N 32 11 12.11 W 104	0 50.38
	18489.00	90.36	178.17	9800.83	8990.11	-8950.68	-849.08	0.26	431707.62	640130.54	N 32 11 11.18 W 104	0 50.35
	18584.00	89.91	178.23	9800.61	9084.51	-9045.63	-846.09	0.48	431612.67	640133.53	N 32 11 10.24 W 104	0 50.32
	18679.00	90.05	178.32	9800.64	9178.91	-9140.59	-843.23	0.18	431517.72	640136.38	N 32 11 9.30 W 104	0 50.29
	18774.00	90.22	178.88	9800.42	9273.38	-9235.56	-840.91	0.62	431422.76	640138.71	N 32 11 8.36 W 104	0 50.27
	18868.00	90.53	178.86	9799.81	9366.89	-9329.54	-839.06	0.33	431328.79	640140.56	N 32 11 7.43 W 104	0 50.25
	18963.00	90.25	178.86	9799.16	9461.40	-9424.52	-837.17	0.29	431233.82	640142.45	N 32 11 6.49 W 104	0 50.23
	19057.00	89.91	179.17	9799.03	9554.94	-9518.51	-835.55	0.49	431139.84	640144.06	N 32 11 5.56 W 104	0 50.21
	19152.00	89.81	179.84	9799.26	9649.55	-9613.50	-834.73	0.71	431044.85	640144.89	N 32 11 4.62 W 104	0 50.21
	19248.00	90.36	180.09	9799.12	9745.23	-9709.50	-834.67	0.63	430948.86	640144.94	N 32 11 3.67 W 104	0 50.21
	19348.00	89.63	180.46	9799.13	9834.67	-9899.50	-835.59	0.43	430758.88	640144.03	N 32 11 1.79 W 104	0 50.23
	19532.00	90.43	180.98	9799.08	10028.44	-9993.49	-836.77	1.02	430664.90	640142.85	N 32 11 0.86 W 104	0 50.24
	19626.00	91.15	180.87	9797.79	10122.23	-10087.47	-838.28	0.77	430570.93	640141.33	N 32 10 59.93 W 104	0 50.27
	19721.00	90.67	180.99	9796.28	10217.01	-10182.44	-839.83	0.52	430475.96	640139.79	N 32 10 58.99 W 104	0 50.29
	19815.00	89.77	180.31	9795.92	10310.78	-10276.43	-840.89	1.20	430381.97	640138.73	N 32 10 58.06 W 104	0 50.30
	19909.00	90.15	180.17	9795.98	10404.50	-10370.43	-841.29	0.43	430287.98	640138.33	N 32 10 57.13 W 104	0 50.31
	20004.00	89.70	180.73	9796.11	10499.24	-10465.43	-842.03	0.76	430192.99	640137.59	N 32 10 56.19 W 104	0 50.32
330° FSL Crossed	20087.00	89.76	180.31	9796.50	10582.02	-10549.42	-842.79	0.51	430110.01	640136.83	N 32 10 55.37 W 104	0 50.33
	20098.00	89.77	180.26	9796.54	10592.99	-10559.42	-842.84	0.51	430099.01	640136.77	N 32 10 55.26 W 104	0 50.34
Final MWD	20166.00	90.53	179.65	9796.37	10660.75	-10627.42	-842.79	1.43	430031.01	640136.83	N 32 10 54.59 W 104	0 50.34
240° FSL Crossed	20177.00	90.53	179.65	9796.26	10671.71	-10638.42	-842.72	0.00	430020.02	640136.89	N 32 10 54.48 W 104	0 50.34
Proj to TD	20207.00	90.53	179.65	9795.99	10701.60	-10668.42	-842.54	0.00	429990.02	640137.08	N 32 10 54.18 W 104	0 50.34

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	26.400	26.400 GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 31H Gyro + MWD 0-20207MD
	1	26.500	26.500	Act Stns	26.400	26.400 GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 31H Gyro + MWD 0-20207MD
	1	26.500	390.500	Act Stns	26.400	26.400 GYD_GC+DROP+OH	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 31H Gyro
	1	390.500	20207.000	Act Stns	26.400	26.400 A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Salt Flat CC 20-29 Federal Com 31H Gyro + MWD 0-20207MD

...Original Borehole/Oxy Salt Flat CC 20-29 Federal Com 31H Gyro + MWD 0-20207MD

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-7946

Oxy USA, Inc. [OGRID 16696]
Salt Flat CC 20 29 Federal Com Well No. 31H
API No. 30-015-45080

Proposed Location

	<u>Footages</u>	<u>Unit/Lot</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	252 FSL & 1222 FWL	M	17	24S	29E	Eddy
First Take Point	100 FSL & 380 FWL	D	20	24S	29E	Eddy
Last Take Point	300 FNL & 380 FWL	M	29	24S	29E	Eddy
Terminus	20 FNL & 380 FWL	M	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	640	Purple Sage; Wolfcamp (GAS)	98220
W2 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 SW/4

Administrative Order NSL-7946

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/tri

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