

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

July 2, 2018

OXY USA Inc.

**NM OIL CONSERVATION
ARTESIA DISTRICT**

JUL 27 2018

Re:

CLIENT: OXY USA Inc. **RECEIVED**
WELL: Corral Fly 35-26 Federal Com 25H
FIELD: Pierce, Crossing Bone Spring, East

RIG: HP 635
COUNTY: EDDY
API NO: 30-015-44683
JOB NO: 18MLD2971

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>
Ahmed Zarroug FE	Corral Fly 35-26 Federal Com 25H Original Hole	518.00 Ft to 19330.00 Ft	June 2, 2018 to June 10, 2018	TelePacer SlimPulse

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Eric Payne
Field Service Manager

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:
2, 25S, 29E, Eddy NM
N 32.16567 W 103.95072

I, Ahmed Zarroug certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of June 02, 2018 through June 10, 2018, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 518.00 feet to a depth of 19330.00 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 Inc. for the Cerral Fly 35-26 Federal Com 25H Well (Original Hole) API No. 30-015-44683 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
Ahmed Zarroug
FE



Subscribed and Sworn to before me this 2nd day of JULY (month) 2018 (yr)

My Commission expires:

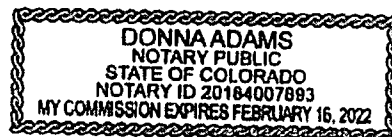
2-16-2022

D. Adams

Notary Public

Adams County Colorado
(County State)

(signature)



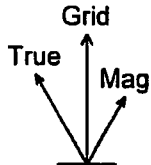
Schlumberger

OXY

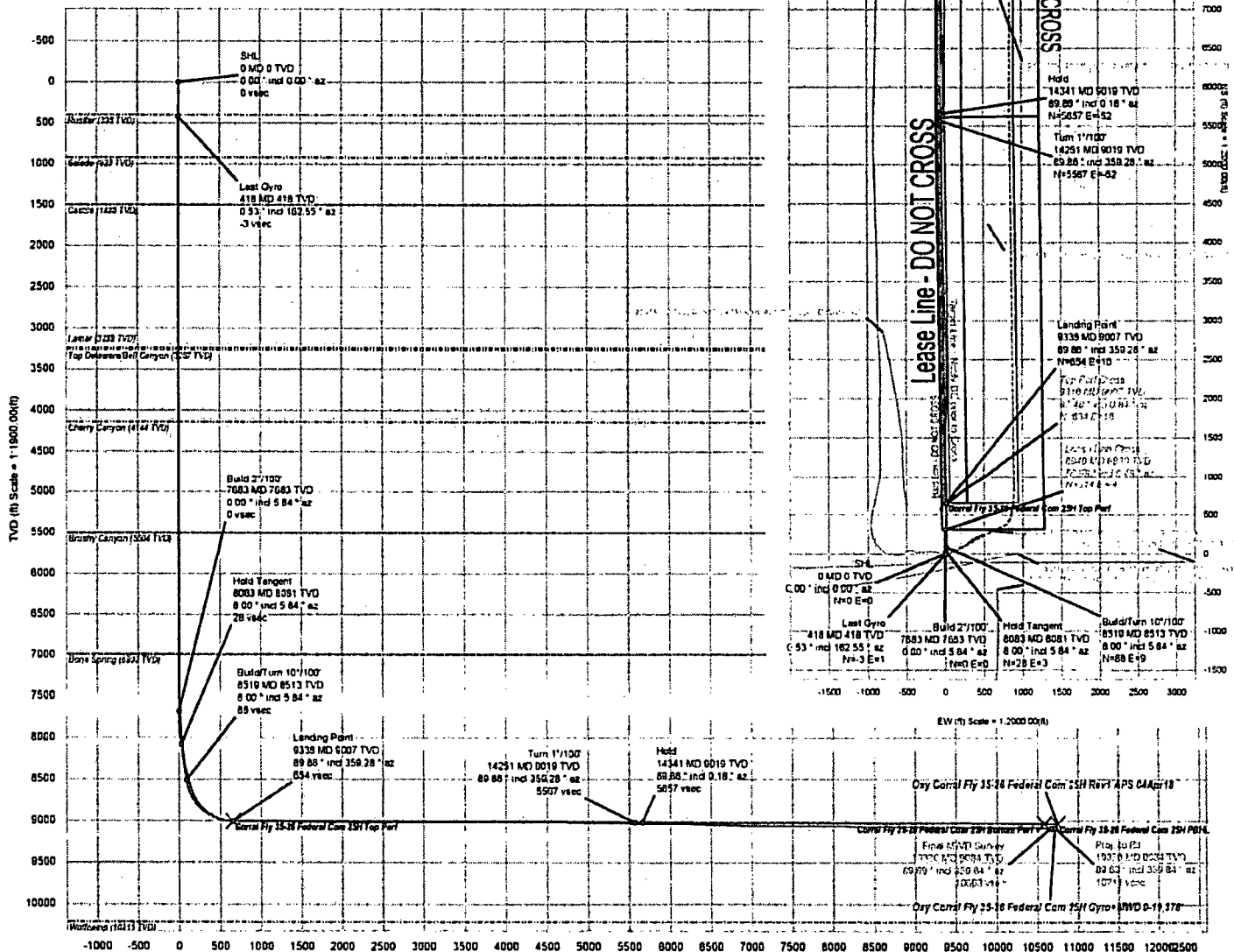
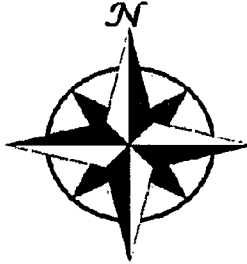


Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Corral Fly 35-26 Federal Com 25H	NM Eddy County (NAD 83)	Oxy Corral Fly 35-26 Federal Com 25H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	MOON 2010	Dep:	58.82"	Obs:	24-May-2010	Lat:	N 32 0 36.42	Northing:	424216.779628	Grid Conv:	0.2817"
MagDec:	0.988°	FB:	47991.25/1	Gravity FB:	936.42/mgals (1.00405 Obsvd)	Long:	W 103 17 2.83	Eastng:	639127.499628	Scale Fact:	0.99992114
								Station: Oxy Corral Fly 35-26 Federal Com 25H Point: Oxy Corral Fly 35-26 Federal Com 25H Rev1 APS OAApr18			



Grid North
Tot Corr (M->G 6.784°)
Mag Dec (6.988°)
Grid Conv (0.204°)





Schlumberger
Oxy Corral Fly 35-26 Federal Com 25H Gyro+MWD 0-19,378' Survey
Geodetic Report
(Del Survey)

Report Date: June 11, 2018 - 11:00 AM
Client: OXY
Project: NM Eddy County (NAD 83)
Structure / Slot: Oxy Corral Fly 35-26 Federal Com 25H / Oxy Corral Fly 35-26 Federal Com 25H
Well: Oxy Corral Fly 35-26 Federal Com 25H
Borehole: Original Borehole
UWI / API: Unknown / 30-015-4463
Survey Name: Oxy Corral Fly 35-26 Federal Com 25H Gyro+MWD 0-19,378'
Survey Date: May 29, 2018
Tort / MWD / DOI / ERD Rate: 200' 228' / 10173' 528' N / 8.661' / 1.182
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 9' 56.41747" W 103° 57' 2.91807"
Location Grid W/E V/L: N 424216 770 NUS, E 650727 450 NUS
CRS Grid Convergence Angle: 0.5007°
Grid Scale Factor: 0.9992514
Version / Patch: 2.10.720.0

Survey / DLS Computation:
Minimum Curvature / Litho: 359.810° (Grid North)
Vertical Section Azimuth: 0.000 R, 0.000 H
Vertical Section Origin: RWD-26.5'
TVD Reference Datum: 3099.400 ft above MSL
TVD Reference Elevation: 3071.900 ft above MSL
Subbed / Ground Elevation: 6.998'
Magnetic Declination: 988.453mag (9.6065 Gauss)
Total Gravity Field Strength: 0.981
Gravity Model: 47991.267 nT
Magnetic Dip Angle: 59.923°
Declination Date: May 29, 2018
Magnetic Declination Model: HDMC 2018
North Reference: Grid North
Grid Convergence Used: 0.2007°
Total Corr Mag North>Grid: 6.7839°
North: 6.7839°
Local Coord Referenced To: Wd Head

Comments	MD (ft)	Incl (°)	Adm Grid (ft)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft)	North (ft)	East (ft)	Latitude (NAD 83)	Longitude (WGS 84)
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	424218.77	650727.45	N 32° 9' 56.43" W 103° 57' 2.62"	
	28.50	0.00	0.00	28.50	0.00	0.00	0.00	0.00	424218.77	650727.45	N 32° 9' 56.43" W 103° 57' 2.62"	
	74.10	0.41	180.00	74.10	-0.17	-0.17	0.00	0.00	424218.60	650727.45	N 32° 9' 56.43" W 103° 57' 2.62"	
	138.10	0.53	177.86	136.10	-0.68	-0.68	0.01	0.00	424218.09	650727.46	N 32° 9' 56.43" W 103° 57' 2.62"	
	195.20	0.80	173.18	195.20	-1.35	-1.35	0.07	0.20	424215.41	650727.52	N 32° 9' 56.40" W 103° 57' 2.62"	
	256.50	0.32	180.38	256.49	-1.86	-1.96	0.12	0.79	424214.81	650727.52	N 32° 9' 56.40" W 103° 57' 2.62"	
	316.20	0.57	152.59	318.19	-2.40	-2.40	0.26	0.52	424214.37	650727.71	N 32° 9' 56.39" W 103° 57' 2.62"	
	381.40	0.60	171.49	381.39	-3.01	-3.01	0.45	0.31	424213.76	650727.90	N 32° 9' 56.39" W 103° 57' 2.61"	
	418.20	0.53	162.55	418.18	-3.30	-3.30	0.55	0.31	424213.41	650728.10	N 32° 9' 56.38" W 103° 57' 2.61"	
	519.00	0.06	334.56	517.98	-3.75	-3.75	0.63	0.59	424213.02	650728.10	N 32° 9' 56.38" W 103° 57' 2.61"	
	610.00	0.13	49.72	609.88	-3.65	-3.64	0.71	0.14	424213.13	650728.18	N 32° 9' 56.38" W 103° 57' 2.61"	
	702.00	0.44	138.03	702.98	-4.11	-4.10	1.00	0.48	424212.83	650728.75	N 32° 9' 56.38" W 103° 57' 2.60"	
	894.00	0.06	100.45	791.88	-4.15	-4.14	1.30	0.44	424212.87	650728.83	N 32° 9' 56.38" W 103° 57' 2.60"	
	978.00	0.08	131.40	893.88	-4.18	-4.18	1.36	0.14	424212.59	650728.86	N 32° 9' 56.38" W 103° 57' 2.61"	
	1161.00	0.06	269.71	975.88	-4.16	-4.16	1.13	0.01	424212.81	650728.49	N 32° 9' 56.38" W 103° 57' 2.61"	
	1348.00	0.00	280.50	1160.88	-4.15	-4.14	1.04	0.03	424212.83	650728.27	N 32° 9' 56.38" W 103° 57' 2.61"	
	1531.00	0.00	222.15	1345.98	-4.20	-4.20	0.92	0.17	424212.57	650728.37	N 32° 9' 56.38" W 103° 57' 2.61"	
	1625.00	0.08	234.88	1530.88	-4.20	-4.20	0.92	0.17	424212.66	650728.44	N 32° 9' 56.38" W 103° 57' 2.61"	
	1720.00	0.08	67.03	1622.98	-4.11	-4.11	0.99	0.09	424212.66	650728.42	N 32° 9' 56.38" W 103° 57' 2.61"	
	1910.00	0.08	4.83	1719.88	-4.11	-4.11	0.97	0.08	424212.66	650728.42	N 32° 9' 56.38" W 103° 57' 2.61"	
	2005.00	0.00	193.09	1900.98	-4.17	-4.17	0.91	0.10	424212.60	650728.36	N 32° 9' 56.38" W 103° 57' 2.61"	
	2192.00	0.06	275.86	2004.98	-4.24	-4.23	0.87	0.06	424212.54	650728.32	N 32° 9' 56.37" W 103° 57' 2.61"	
	2381.00	0.30	2181.98	2181.98	-4.61	-4.61	0.53	0.18	424212.18	650727.09	N 32° 9' 56.37" W 103° 57' 2.62"	
	2570.00	0.08	232.77	2320.98	-4.89	-4.89	0.27	0.28	424211.88	650727.72	N 32° 9' 56.37" W 103° 57' 2.61"	
	2759.00	0.56	82.08	2350.98	-3.88	-3.87	0.60	0.28	424213.16	650728.05	N 32° 9' 56.38" W 103° 57' 2.61"	
	2853.00	0.11	12.45	2758.97	-3.61	-3.61	0.73	0.70	424213.16	650728.10	N 32° 9' 56.38" W 103° 57' 2.61"	
	2948.00	0.13	158.82	2852.97	-3.37	-3.37	0.84	0.08	424213.00	650728.29	N 32° 9' 56.38" W 103° 57' 2.61"	
	3042.00	0.00	132.24	2941.97	-3.30	-3.30	0.87	0.20	424212.95	650728.28	N 32° 9' 56.38" W 103° 57' 2.61"	
	3136.00	0.00	286.61	3041.97	-3.61	-3.61	0.83	0.06	424212.08	650728.46	N 32° 9' 56.38" W 103° 57' 2.61"	
	3235.00	0.08	105.00	3135.97	-3.85	-3.84	0.65	0.04	424212.08	650728.46	N 32° 9' 56.38" W 103° 57' 2.61"	
	3419.00	0.00	3232.97	3232.97	-3.81	-3.81	1.01	0.10	424212.86	650728.46	N 32° 9' 56.38" W 103° 57' 2.61"	
	3512.97	0.08	165.02	3418.97	-4.03	-4.03	0.97	0.09	424212.66	650728.42	N 32° 9' 56.38" W 103° 57' 2.61"	
	3608.00	0.06	177.50	3512.97	-4.11	-4.11	1.01	0.02	424212.74	650728.37	N 32° 9' 56.38" W 103° 57' 2.61"	
	3797.00	0.06	247.57	3607.97	-4.22	-4.21	0.95	0.05	424212.56	650728.40	N 32° 9' 56.38" W 103° 57' 2.61"	
	3891.00	0.06	33.57	3789.97	-4.22	-4.21	0.85	0.05	424212.56	650728.40	N 32° 9' 56.38" W 103° 57' 2.61"	
	4080.00	0.00	282.49	4070.97	-4.14	-4.13	1.03	0.09	424212.64	650728.32	N 32° 9' 56.38" W 103° 57' 2.61"	
	4269.00	0.08	4070.97	4269.97	-4.24	-4.24	0.87	0.05	424212.54	650728.32	N 32° 9' 56.38" W 103° 57' 2.61"	
	4457.00	0.08	261.87	4458.97	-4.38	-4.38	0.60	0.04	424212.39	650728.09	N 32° 9' 56.37" W 103° 57' 2.61"	
	4552.00	0.08	181.56	4551.97	-4.45	-4.45	0.64	0.13	424212.32	650728.05	N 32° 9' 56.37" W 103° 57' 2.61"	
	4636.00	0.06	464.97	4645.97	-4.47	-4.47	0.68	0.14	424212.30	650728.15	N 32° 9' 56.37" W 103° 57' 2.61"	
	4740.00	0.00	174.02	4739.97	-4.42	-4.42	0.70	0.06	424212.35	650728.15	N 32° 9' 56.37" W 103° 57' 2.61"	
	4835.00	0.11	7.14	4834.97	-4.33	-4.33	0.72	0.12	424212.54	650728.09	N 32° 9' 56.37" W 103° 57' 2.61"	
	4929.00	0.06	274.66	4833.97	-4.24	-4.24	0.64	0.17	424212.44	650728.17	N 32° 9' 56.37" W 103° 57' 2.61"	
	5023.00	0.06	190.73	5022.97	-4.26	-4.26	0.54	0.13	424212.50	650727.99	N 32° 9' 56.38" W 103° 57' 2.61"	
	5118.00	0.09	6.32	5117.97	-4.26	-4.26	0.54	0.15	424212.51	650728.12	N 32° 9' 56.37" W 103° 57' 2.61"	
	5208.00	0.11	139.96	5205.97	-4.36	-4.36	0.66	0.17	424212.41	650728.11	N 32° 9' 56.37" W 103° 57' 2.61"	
	5300.00	0.08	246.77	5309.97	-4.36	-4.36	0.66	0.20	424212.48	650728.17	N 32° 9' 56.37" W 103° 57' 2.61"	
	5400.00	0.11	43.78	5404.97	-4.32	-4.31	0.72	0.11	424212.34	650728.23	N 32° 9' 56.37" W 103° 57' 2.61"	
	5495.00	0.06	189.01	5498.97	-4.43	-4.43	0.78	0.18	424212.30	650728.31	N 32° 9' 56.37" W 103° 57' 2.61"	
	5589.00	0.13	140.24	5577.97	-4.42	-4.42	0.88	0.08	424212.35	650728.32	N 32° 9' 56.37" W 103° 57' 2.61"	
	5683.00	0.00	5871.97	5677.97	-4.42	-4.42	0.88	0.00	424212.35	650728.32	N 32° 9' 56.37" W 103° 57' 2.61"	
	5778.00	0.00	83.11	5871.97	-4.42	-4.42	0.88	0.00	424212.35	650728.32	N 32° 9' 56.37" W 103° 57' 2.61"	
	5872.00	0.00	69.19	5865.97	-4.38	-4.38	0.91	0.06	424212.35	650728.36	N 32° 9' 56.37" W 103° 57' 2.61"	
	5966.00	0.06	38.24	5960.97	-4.34	-4.34	0.84	0.06	424212.43	650728.40	N 32° 9' 56.37" W 103° 57' 2.61"	
	6061.00	0.00	19.75	6154.97	-4.30	-4.29	0.94	0.06	424212.43	650728.39	N 32° 9' 56.37" W 103° 57' 2.61"	
	6155.00	0.06	15.68	6249.97	-4.29	-4.29	0.94	0.13	424212.48	650728.39	N 32° 9' 56.37" W 103° 57' 2.61"	
	6250.00	0.06	207.86	6243.97	-4.29	-4.29	0.81	0.01	424212.39	650728.36	N 32° 9' 56.37" W 103° 57' 2.61"	
	6344.00	0.06	64.77	6342.97	-4.38	-4.38	0.81	0.10	424212.37	650728.30	N 32° 9' 56.37" W 103° 57' 2.61"	
	6438.00	0.06	195.17	6432.97	-4.40	-4.40	0.85	0.15	424212.35	650728.30	N 32° 9' 56.37" W 103° 57' 2.61"	
	6532.00	0.06	200.46	6526.97	-4.43	-4.42	0.85	0.15	424212.35	650728.30	N 32° 9' 56.37" W 103° 57' 2.61"	
	6627.00	0.09	126.07	6620.97	-4.47	-4.47	0.90	0.09	424212.36	650728.35	N 32° 9' 56.37" W 103° 57' 2.61"	
	6721.00	0.08	326.52	6710.97	-4.41	-4.41	0.87	0.09	424212.36	650728.35	N 32° 9' 56.37" W 103° 57' 2.61"	
	6815.00	0.00	123.26	6809.97	-4.28	-4.28	0.79	0.04	424212.44	650728.42	N 32° 9' 56.37" W 103° 57' 2.61"	
	6909.00	0.11	7092.97	6902.97	-4.32	-4.32	0.79	0.03	424212.44	650728.42	N 32° 9' 56.37" W 103° 57' 2.61"	
	7003.00	0.25	182.74	7002.97	-4.37	-4.37	0.81	0.01	424212.74	650728.41	N 32° 9' 56.38" W 103° 57' 2.60"	
	7098.00	0.73	81.68	7097.97	-4.37	-4.37	1.07	0.61	424212.74	650728.41	N 32° 9' 56.38" W 103° 57' 2.60"	
	7193.00	0.51	7191.98	7191.98	-4.04	-4.03	2.97	0.29	424212.74	650728.41	N 32° 9' 56.38" W 103° 57' 2.60"	
	7287.00	0.33	28.83	7286.95	-3.54	-3.53	3.80	0.75	424213.24	650727.92	N 32° 9' 56.40" W 103° 57' 2.59"	
	7473.00	2.00	10.33	7474.91	0.16	0.17	4.67	0.00	424216.84	650728.12	N 32° 9' 56.46" W 103° 57' 2.55"	
	7569.00	2.82	26.64	7569.82	3.83	3.85	6.01	1.11	424220.62	650728.46	N 32° 9' 56.46" W 103° 57' 2.55"	
	7664.00	3.30	28.26	7663.69	8.32	8.35	8.30	0.51	424225.12	650735.81	N 32° 9' 56.50" W 103° 57' 2.52"	

Comments	MD	Incl	Adm CHD	TYD	VSEC	NS	EW	DLS	Morning	Eastng	Latitude	Longitude
	(N)	(°)	(°)		(N)		(N)	(°/1000)	(NUS)	(NUS)	(N/A...)	(E/W...)
	7756.00	4.07	7.10	7759.50	14.01	14.04	10.05	1.85	424230.81	630737.50	N 32 0 56.68 W 103 57 2.50	
	7853.00	4.44	3.30	7853.24	21.02	21.06	10.68	0.48	424237.83	630728.13	N 32 0 56.63 W 103 57 2.40	
	7947.00	5.82	356.45	7945.68	29.41	29.45	10.59	1.80	424246.21	630738.04	N 32 0 56.61 W 103 57 2.40	
	8042.00	4.68	354.74	8040.46	48.08	48.10	9.84	1.23	424254.66	630737.39	N 32 0 56.67 W 103 57 2.50	
	8136.00	5.32	354.03	8134.10	48.28	48.32	9.14	0.71	424303.00	630736.50	N 32 0 56.67 W 103 57 2.51	
	8230.00	6.82	341.62	8227.58	65.84	65.87	6.82	2.11	424272.83	630724.37	N 32 0 56.67 W 103 57 2.54	
	8260.00	6.75	332.60	8259.97	59.10	59.12	5.55	3.56	424279.69	630733.00	N 32 0 57.00 W 103 57 2.55	
	8348.00	15.48	349.63	8343.91	91.63	91.62	-7.78	5.18	424308.58	630723.00	N 32 0 57.33 W 103 57 2.66	
	8332.00	15.35	350.90	8322.53	116.45	116.42	-1.42	0.38	424333.18	630719.07	N 32 0 57.57 W 103 57 2.70	
	8628.00	17.30	354.18	8628.74	142.65	142.62	-11.18	2.30	424359.38	630714.20	N 32 0 57.83 W 103 57 2.74	
	8815.00	28.47	358.08	8721.25	177.91	177.91	-12.30	9.77	424394.68	630714.05	N 32 0 58.04 W 103 57 2.77	
	8910.00	33.35	3.30	8906.60	224.74	224.70	-12.40	7.83	424441.41	630714.15	N 32 0 58.04 W 103 57 2.75	
	8904.00	48.89	5.64	8854.72	285.57	285.55	-7.35	14.36	424502.20	630720.10	N 32 0 58.24 W 103 57 2.69	
	8904.00	57.00	7.17	8854.72	358.87	358.86	1.15	10.80	424575.72	630728.60	N 32 0 58.97 W 103 57 2.50	
	8903.00	67.43	3.69	8856.83	442.50	442.43	8.97	11.44	424650.28	630740.29	N 32 0 59.57 W 103 57 2.45	
	8903.00	74.55	1.29	8887.44	531.25	531.25	12.78	10.54	424747.98	630740.23	N 32 10 0.60 W 103 57 2.50	
	8288.00	64.56	1.56	9004.10	624.48	624.53	15.82	10.84	424841.25	630743.57	N 32 10 0.50 W 103 57 2.40	
	8382.00	53.65	359.28	9004.10	718.38	718.41	9.87	10.84	424805.13	630743.29	N 32 10 0.53 W 103 57 2.47	
	9578.00	69.31	358.88	9001.04	914.15	914.18	9.43	2.51	425100.88	630720.40	N 32 10 0.66 W 103 57 2.54	
	9672.00	69.28	355.11	9003.20	1007.83	1007.85	2.85	1.89	425204.84	630720.40	N 32 10 0.66 W 103 57 2.54	
	9787.00	68.80	355.70	9003.79	1102.64	1102.63	-4.59	0.88	425319.32	630722.88	N 32 10 0.73 W 103 57 2.63	
	9856.00	69.55	1.74	9008.51	1281.51	1281.48	-0.66	2.17	425508.15	630718.79	N 32 10 0.80 W 103 57 2.67	
	10050.00	68.97	2.50	9007.73	1385.42	1385.41	-5.18	1.02	425602.07	630722.27	N 32 10 0.83 W 103 57 2.67	
	10143.00	68.90	2.60	9003.38	1478.30	1478.30	-1.04	0.11	425694.80	630720.41	N 32 10 1.05 W 103 57 2.57	
	10226.00	69.14	2.31	9003.30	1571.19	1571.21	2.84	0.35	425787.88	630720.41	N 32 10 1.15 W 103 57 2.52	
	10230.00	69.14	2.02	9012.30	1665.06	1665.10	7.23	0.85	425881.74	630728.60	N 32 10 12.89 W 103 57 2.47	
	10423.00	69.78	2.66	9013.36	1757.93	1757.98	11.75	0.75	425974.82	630734.20	N 32 10 13.61 W 103 57 2.41	
	10516.00	69.55	2.74	9013.36	1850.81	1850.88	16.14	0.27	426087.51	630743.56	N 32 10 14.75 W 103 57 2.35	
	10610.00	69.42	0.14	9014.55	1944.76	1944.84	18.50	2.77	426161.46	630743.56	N 32 10 15.68 W 103 57 2.32	
	10703.00	69.59	0.10	9015.35	2037.76	2037.83	18.60	0.19	426254.45	630746.14	N 32 10 16.58 W 103 57 2.31	
	10798.00	69.49	0.30	9015.35	2130.75	2130.83	19.02	0.32	426347.44	630746.67	N 32 10 18.43 W 103 57 2.30	
	10890.00	69.59	0.30	9016.88	2224.75	2224.83	19.12	0.52	426441.42	630746.67	N 32 10 18.43 W 103 57 2.30	
	10982.00	68.72	359.83	9016.88	2316.75	2316.83	19.40	0.00	426533.42	630746.67	N 32 10 18.43 W 103 57 2.30	
	11078.00	68.00	0.52	9016.88	2410.74	2410.82	20.41	0.30	426627.42	630747.86	N 32 10 20.27 W 103 57 2.28	
	11169.00	68.00	358.02	9015.35	2533.73	2533.80	19.38	2.32	426726.38	630747.86	N 32 10 21.19 W 103 57 2.29	
	11169.00	68.00	358.02	9015.35	2633.73	2633.80	18.06	0.19	426815.38	630747.86	N 32 10 22.13 W 103 57 2.32	
	11359.00	69.31	357.87	9015.35	2733.73	2733.80	13.06	0.45	426909.28	630747.86	N 32 10 23.05 W 103 57 2.35	
	11453.00	69.31	357.87	9015.35	2833.73	2833.80	9.83	0.68	427004.00	630723.58	N 32 10 24.03 W 103 57 2.30	
	11543.00	69.31	357.87	9015.35	2933.73	2933.80	9.83	0.68	427098.12	630723.58	N 32 10 24.03 W 103 57 2.30	
	11642.00	69.31	357.87	9015.35	3033.73	3033.80	4.13	0.35	427193.03	630723.58	N 32 10 25.07 W 103 57 2.47	
	11737.00	69.31	357.87	9015.35	3133.73	3133.80	2.23	0.50	427287.05	630723.58	N 32 10 26.07 W 103 57 2.51	
	11832.00	69.31	357.87	9015.35	3233.73	3233.80	-1.42	0.36	427382.90	630723.58	N 32 10 27.07 W 103 57 2.54	
	11928.00	69.31	357.87	9015.35	3333.73	3333.80	-7.07	0.36	427478.65	630723.58	N 32 10 28.08 W 103 57 2.57	
	12118.00	69.31	357.87	9015.35	3433.73	3433.80	-1.38	0.18	427574.40	630723.58	N 32 10 29.08 W 103 57 2.63	
	12205.00	69.31	357.87	9015.35	3533.73	3533.80	-1.06	0.08	427670.25	630723.58	N 32 10 30.08 W 103 57 2.70	
	12300.00	69.31	357.87	9015.35	3633.73	3633.80	-2.55	0.30	427766.10	630723.58	N 32 10 31.08 W 103 57 2.77	
	12494.00	69.31	357.87	9015.35	3733.73	3733.80	-2.96	1.25	427862.00	630723.58	N 32 10 32.08 W 103 57 2.84	
	12589.00	69.31	357.87	9015.35	3833.73	3833.80	-2.98	1.16	427957.95	630723.58	N 32 10 33.08 W 103 57 2.91	
	12684.00	69.31	357.87	9015.35	3933.73	3933.80	-3.05	2.24	428053.90	630723.58	N 32 10 34.08 W 103 57 2.98	
	12779.00	69.31	357.87	9015.35	4033.73	4033.80	-3.05	2.40	428149.85	630723.58	N 32 10 35.08 W 103 57 3.05	
	12874.00	69.31	357.87	9015.35	4133.73	4133.80	-3.05	2.40	428245.80	630723.58	N 32 10 36.08 W 103 57 3.12	
	12969.00	69.31	357.87	9015.35	4233.73	4233.80	-3.05	2.40	428341.75	630723.58	N 32 10 37.08 W 103 57 3.19	
	13064.00	69.31	357.87	9015.35	4333.73	4333.80	-3.05	2.40	428437.70	630723.58	N 32 10 38.08 W 103 57 3.26	
	13159.00	69.31	357.87	9015.35	4433.73	4433.80	-3.05	2.40	428533.65	630723.58	N 32 10 39.08 W 103 57 3.33	
	13254.00	69.31	357.87	9015.35	4533.73	4533.80	-3.05	2.40	428629.60	630723.58	N 32 10 40.08 W 103 57 3.40	
	13349.00	69.31	357.87	9015.35	4633.73	4633.80	-3.05	2.40	428725.55	630723.58	N 32 10 41.08 W 103 57 3.47	
	13444.00	69.31	357.87	9015.35	4733.73	4733.80	-3.05	2.40	428821.50	630723.58	N 32 10 42.08 W 103 57 3.54	
	13539.00	69.31	357.87	9015.35	4833.73	4833.80	-3.05	2.40	428917.45	630723.58	N 32 10 43.08 W 103 57 3.61	
	13634.00	69.31	357.87	9015.35	4933.73	4933.80	-3.05	2.40	429013.40	630723.58	N 32 10 44.08 W 103 57 3.68	
	13729.00	69.31	357.87	9015.35	5033.73	5033.80	-3.05	2.40	429109.35	630723.58	N 32 10 45.08 W 103 57 3.75	
	13824.00	69.31	357.87	9015.35	5133.73	5133.80	-3.05	2.40	429205.30	630723.58	N 32 10 46.08 W 103 57 3.82	
	13919.00	69.31	357.87	9015.35	5233.73	5233.80	-3.05	2.40	429301.25	630723.58	N 32 10 47.08 W 103 57 3.89	
	14014.00	69.31	357.87	9015.35	5333.73	5333.80	-3.05	2.40	429397.20	630723.58	N 32 10 48.08 W 103 57 3.96	
	14109.00	69.31	357.87	9015.35	5433.73	5433.80	-3.05	2.40	429493.15	630723.58	N 32 10 49.08 W 103 57 4.03	
	14204.00	69.31	357.87	9015.35	5533.73	5533.80	-3.05	2.40	429589.10	630723.58	N 32 10 50.08 W 103 57 4.10	
	14299.00	69.31	357.87	9015.35	5633.73	5633.80	-3.05	2.40	429685.05	630723.58	N 32 10 51.08 W 103 57 4.17	
	14394.00	69.31	357.87	9015.35	5733.73	5733.80	-3.05	2.40	429781.00	630723.58	N 32 10 52.08 W 103 57 4.24	
	14489.00	69.31	357.87	9015.35	5833.73	5833.80	-3.05	2.40	429876.95	630723.58	N 32 10 53.08 W 103 57 4.31	
	14584.00	69.31	357.87	9015.35	5933.73	5933.80	-3.05	2.40	429972.90	630723.58	N 32 10 54.08 W 103 57 4.38	
	14679.00	69.31	357.87	9015.35	6033.73	6033.80	-3.05	2.40	430068.85	630723.58	N 32 10 55.08 W 103 57 4.45	
	14774.00	69.31	357.87	9015.35	6133.73	6133.80	-3.05	2.40	430164.80	630723.58	N 32 10 56.08 W 103 57 4.52	
	14869.00	69.31	357.87	9015.35	6233.73	6233.80	-3.05	2.40	430260.75	630723.58	N 32 10 57.08 W 103 57 4.59	
	14964.00	69.31	357.87	9015.35	6333.73	6333.80	-3.05	2.40	430356.70	630723.58	N 32 10 58.08 W 103 57 4.66	
	15059.00	69.31	357.87	9015.35	6433.73	6433.80	-3.05	2.40	430452.65	630723.58	N 32 10 59.08 W 103 57 4.73	
	15154.00	69.31	357.87	9015.35	6533.73	6533.80	-3.05	2.40	430548.60	630723.58	N 32 10 60.08 W 103 57 4.80	
	15249.00	69.31	357.87	9015.35	6633.73	6633.80	-3.05	2.40	430644.55	630723.58	N 32 10 61.08 W 103 57 4.87	
	15344.00	69.31	357.87	9015.35	6733.73	6733.80	-3.05	2.40	430740.50	630723.58	N 32 10 62.08 W 103 57 4.94	
	15439.00	69.31	357.87	9015.35	6833							

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (1/100ft)	Northing (NUS)	Easting (EUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	19218.00	87.97	359.70	9081.61	10550.67	10550.69	-13.19	1.22	434768.65	659714.20	N 32 11 40.82 W 103 57 2.33	
	19312.00	89.55	0.23	9083.64	10644.65	10644.68	-13.25	1.77	434860.61	659714.20	N 32 11 41.75 W 103 57 2.33	
Final MWD	19330.00	89.69	359.84	9083.79	10662.65	10662.68	-13.24	2.30	434878.61	659714.21	N 32 11 41.93 W 103 57 2.33	
Proj. to Bit	19378.00	89.69	359.84	9084.02	10710.85	10710.88	-13.37	0.00	434926.61	659714.08	N 32 11 42.40 W 103 57 2.33	

Survey Type: Dof Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EQU Freq (ft)	Hole Size	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	30.000	30.000	NAL_NSQ+MSHOT-Depth Only	Original Borehole / Oxy Corral Fly 35-26 Federal Com 25H Gyro+MWD 0-19,378'
	1	26.500	26.500	Act Sina	30.000	30.000	NAL_NSQ+MSHOT-Depth Only	Original Borehole / Oxy Corral Fly 35-26 Federal Com 25H Gyro+MWD 0-19,378'
	1	26.500	418.200	Act Sina	30.000	30.000	NAL_NSQ+MSHOT	Original Borehole / Oxy Corral Fly 35-26 Federal Com 25H Gyro+MWD 0-19,378'
	1	418.200	19378.000	Act Sina	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Corral Fly 35-26 Federal Com 25H

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Tony Delfin
Acting Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



November 30, 2016

NM OIL CONSERVATION
ARTESIA DISTRICT

Oxy USA Inc.
Attn: Mr. David Stewart

JUL 27 2018

RECEIVED

ADMINISTRATIVE NON-STANDARD LOCATION ORDER

Administrative Order NSL-7488

Oxy USA Inc.
OGRID 16696
Corral Fly 35-26 Federal Com. No. 25H
API No. 30-015-pending

Proposed Location:

	<u>Footages</u>	<u>Unit</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	140' FNL & 1221' FEL	A	26	24S	29E	Eddy
Penetration Point	340' FNL & 1258' FEL	A	26	24S	29E	Eddy
Final perforation	340' FSL & 1259' FEL	P	35	24S	29E	Eddy
Terminus	180' FSL & 1260' FEL	P	35	24S	29E	Eddy

Proposed Project Area:

<u>Description</u>	<u>Acres</u>	<u>Pool</u>	<u>Pool Code</u>
E/2 E/2 of Section 26	160	Pierce Crossing; Bone Spring, East	96473
E/2 E/2 of Section 35			

Reference is made to your application received on November 8, 2016.

You have requested to drill this horizontal well at an unorthodox oil well location described above in the referenced pool or formation. This location is governed by statewide Rule 19.15.15.9.A NMAC, which provides for 40-acre units, with wells located at least 330 feet from a unit outer boundary, and Rule 19.15.16.14.B (2) NMAC concerning directional wells in designated project areas. This location is unorthodox because portions of the proposed completed interval are closer to outside boundaries of the proposed project area than any location that would be a standard location under the applicable pool rules.

Administrative Order NSL-7488
Oxy USA Inc.
November 30, 2016
Page 2 of 2

Your application has been duly filed under the provisions of Division Rules 19.15.15.13 NMAC and 19.15.4.12.A (2) NMAC.

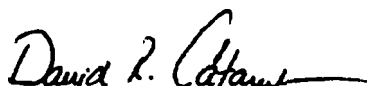
It is our understanding that you are seeking this NSL in order to allow for efficient spacing of horizontal wells and thereby preventing waste.

It is also understood that you have given due notice of this application to all operators or owners who are "affected persons," as defined in Rule 19.15.4.12 A (2) NMAC, in all adjoining units towards which the proposed location encroaches.

Pursuant to the authority conferred by Division Rule 19.15.15.13 (B) NMAC, the above-described unorthodox location is hereby approved.

This approval is subject to your being in compliance with all other applicable Division rules, including, but not limited to Division Rule 19.15.5.9 NMAC.

Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.


DAVID R. CATANACH
Director

DRC/rl

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

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