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

30-015-44684

July 18, 2018

RECEIVED

OCT 26 2018

DISTRICT II-ARTESIA O.C.D.

Oxy USA Inc.
5 Greenway Plaza, Suite 110
Houston, TX 77046

Re:

2, 25S, 29E, Eddy NM
N 32.16567 W -103.95063

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

RIG: H&P 635
COUNTY: Eddy
API NO: 30-015-446840000
JOB NO: 18MLD2963

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.

Name & Title of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Renzo Florez FE	Corral Fly 35-26 Federal Com 26H Original Hole	513.00 Ft to 19271.00 Ft	June 13, 2018 to June 18, 2018	TelePacer SlimPulse

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

Enrique Fernandez
Field Service Manager

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)
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Schlumberger

Well Reference:
2, 25S, 29E, Eddy NM
N 32.16567 W -103.95063

I, Renzo Florez certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of June 13, 2018 through June 18, 2018, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 513.00 feet to a depth of 19271.00 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 Corral Fly 35-26 Federal Com 26H Well (Original Hole) API No. 30-015-446840000 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
Renzo Florez
FE

Subscribed and Sworn to before me this _____ day of _____ (month) _____(yr)

My Commission expires:

_____

_____ (signature)
Notary Public

_____
(County State)

Schlumberger

Oxy Corral Fly 35-26 Federal Com 26H Gyro+MWD(IFR1) 0-19,313' Survey Geodetic Report

(Def Survey)

Report Date:	June 19, 2018 - 10:03 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	OXY	**Vertical Section Azimuth:**	4.367 ° (Grid North)
Field:	NM Eddy County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Oxy Corral Fly 35-26 Federal Com 26H / Oxy Corral Fly 35-26 Federal Com 26H	**TVD Reference Datum:**	RKB=26.5'
Well:	Oxy Corral Fly 35-26 Federal Com 26H	**TVD Reference Elevation:**	3098.700 ft above MSL
Borehole:	Original Borehole	**Seabed / Ground Elevation:**	3072.200 ft above MSL
UWI / API#:	Unknown / 30-015-44684	**Magnetic Declination:**	6.984 °
Survey Name:	Oxy Corral Fly 35-26 Federal Com 26H Gyro+MWD(IFR1) 0-19,313'	**Total Gravity Field Strength:**	998.4533mgn (9.80665 Based)
Survey Date:	June 11, 2018	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	302.511 ° / 11249.066 ft / 6.861 / 1.242	**Total Magnetic Field Strength:**	47987.115 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.922 °
Location Lat / Long:	N 32° 9' 56.41731", W 103° 57' 2.26904"	**Declination Date:**	June 11, 2018
Location Grid N/E Y/X:	N 424216.860 ftUS, E 659757.450 ftUS	**Magnetic Declination Model:**	HDGM 2018
CRS Grid Convergence Angle:	0.2037 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99992515	**Grid Convergence Used:**	0.2037 °
Version / Patch:	2.10.720.0	**Total Corr Mag North->Grid North:**	6.7804 °
		Local Coord Referenced To:	Well Head

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 ° ' ")
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	424216.86	659757.45	N 32 9 56.42	W 103 57 2.27
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	424216.86	659757.45	N 32 9 56.42	W 103 57 2.27
	94.60	0.72	249.20	94.60	-0.18	-0.15	-0.40	1.06	424216.71	659757.05	N 32 9 56.42	W 103 57 2.27
	156.60	0.63	241.45	156.59	-0.53	-0.45	-1.06	0.21	424216.41	659756.39	N 32 9 56.41	W 103 57 2.28
	215.80	0.54	250.36	215.79	-0.82	-0.70	-1.61	0.22	424216.16	659755.84	N 32 9 56.41	W 103 57 2.29
	277.00	0.50	212.06	276.99	-1.18	-1.03	-2.03	0.56	424215.83	659755.42	N 32 9 56.41	W 103 57 2.29
	338.70	0.51	208.88	338.69	-1.67	-1.49	-2.30	0.05	424215.37	659755.15	N 32 9 56.40	W 103 57 2.30
	401.90	0.63	187.51	401.88	-2.27	-2.09	-2.48	0.38	424214.78	659754.97	N 32 9 56.40	W 103 57 2.30
Last Gyro	446.70	0.62	218.32	446.68	-2.72	-2.52	-2.66	0.74	424214.34	659754.79	N 32 9 56.39	W 103 57 2.30
	513.00	0.11	111.08	512.98	-3.03	-2.82	-2.83	1.00	424214.04	659754.62	N 32 9 56.39	W 103 57 2.30
	664.00	0.11	210.25	663.98	-3.20	-3.00	-2.77	0.11	424213.86	659754.68	N 32 9 56.39	W 103 57 2.30
	791.00	0.18	330.38	790.98	-3.15	-2.93	-2.93	0.20	424213.93	659754.52	N 32 9 56.39	W 103 57 2.30
	883.00	0.28	204.15	882.98	-3.24	-3.01	-3.09	0.45	424213.85	659754.36	N 32 9 56.39	W 103 57 2.31
	976.00	0.08	343.91	975.98	-3.39	-3.16	-3.20	0.37	424213.70	659754.25	N 32 9 56.39	W 103 57 2.31
	1068.00	0.11	178.96	1067.98	-3.42	-3.18	-3.22	0.20	424213.68	659754.23	N 32 9 56.39	W 103 57 2.31
	1161.00	0.11	37.26	1160.98	-3.43	-3.20	-3.16	0.22	424213.66	659754.29	N 32 9 56.39	W 103 57 2.31
	1253.00	0.11	103.41	1252.98	-3.37	-3.15	-3.02	0.13	424213.71	659754.43	N 32 9 56.39	W 103 57 2.30
	1346.00	0.11	95.54	1345.98	-3.39	-3.18	-2.85	0.02	424213.68	659754.60	N 32 9 56.39	W 103 57 2.30
	1438.00	0.13	192.67	1437.98	-3.49	-3.29	-2.78	0.20	424213.57	659754.67	N 32 9 56.38	W 103 57 2.30
	1513.00	0.11	168.74	1512.98	-3.65	-3.45	-2.79	0.07	424213.41	659754.67	N 32 9 56.38	W 103 57 2.30
	1656.00	0.13	107.24	1655.98	-3.82	-3.63	-2.60	0.09	424213.23	659754.85	N 32 9 56.38	W 103 57 2.30
	1844.00	0.08	69.32	1843.98	-3.81	-3.65	-2.28	0.04	424213.21	659755.17	N 32 9 56.38	W 103 57 2.30
	1939.00	0.08	299.21	1938.98	-3.75	-3.59	-2.27	0.15	424213.27	659755.18	N 32 9 56.38	W 103 57 2.30
	2033.00	0.06	359.80	2032.98	-3.68	-3.51	-2.33	0.08	424213.35	659755.12	N 32 9 56.38	W 103 57 2.30
	2128.00	0.22	342.06	2127.98	-3.46	-3.29	-2.39	0.17	424213.58	659755.06	N 32 9 56.38	W 103 57 2.30
	2222.00	0.11	25.82	2221.98	-3.21	-3.03	-2.40	0.17	424213.83	659755.05	N 32 9 56.39	W 103 57 2.30
	2317.00	0.00	168.51	2316.98	-3.12	-2.95	-2.36	0.12	424213.91	659755.09	N 32 9 56.39	W 103 57 2.30
	2411.00	0.20	260.48	2410.98	-3.16	-2.98	-2.52	0.21	424213.88	659754.93	N 32 9 56.39	W 103 57 2.30
	2506.00	0.13	314.63	2505.98	-3.13	-2.93	-2.77	0.17	424213.93	659754.69	N 32 9 56.39	W 103 57 2.30
	2600.00	0.17	140.66	2599.98	-3.16	-2.96	-2.75	0.32	424213.90	659754.70	N 32 9 56.39	W 103 57 2.30
	2695.00	0.11	101.52	2694.98	-3.28	-3.09	-2.57	0.12	424213.77	659754.88	N 32 9 56.39	W 103 57 2.30
	2789.00	0.18	131.70	2788.97	-3.38	-3.21	-2.38	0.11	424213.65	659755.07	N 32 9 56.39	W 103 57 2.30
	2883.00	0.08	70.23	2882.97	-3.44	-3.28	-2.20	0.17	424213.58	659755.25	N 32 9 56.38	W 103 57 2.29
	2978.00	0.08	198.91	2977.97	-3.48	-3.32	-2.16	0.15	424213.54	659755.29	N 32 9 56.38	W 103 57 2.29
	3072.00	0.18	90.65	3071.97	-3.53	-3.39	-2.04	0.23	424213.47	659755.41	N 32 9 56.38	W 103 57 2.29
	3261.00	0.06	201.35	3260.97	-3.61	-3.48	-1.78	0.11	424213.38	659755.68	N 32 9 56.38	W 103 57 2.29
	3449.00	0.13	240.90	3448.97	-3.82	-3.68	-2.00	0.05	424213.18	659755.45	N 32 9 56.38	W 103 57 2.29
	3638.00	0.08	123.69	3637.97	-4.00	-3.85	-2.07	0.10	424213.01	659755.38	N 32 9 56.38	W 103 57 2.29
	3733.00	0.08	51.00	3732.97	-3.99	-3.85	-1.97	0.10	424213.01	659755.48	N 32 9 56.38	W 103 57 2.29
	3827.00	0.11	122.12	3826.97	-3.98	-3.86	-1.84	0.12	424213.00	659755.61	N 32 9 56.38	W 103 57 2.29
	4015.00	0.11	160.50	4014.97	-4.23	-4.12	-1.63	0.04	424212.74	659755.82	N 32 9 56.38	W 103 57 2.29
	4204.00	0.11	262.18	4203.97	-4.44	-4.32	-1.75	0.09	424212.54	659755.70	N 32 9 56.37	W 103 57 2.29
	4299.00	0.08	43.38	4298.97	-4.41	-4.28	-1.79	0.19	424212.58	659755.66	N 32 9 56.38	W 103 57 2.29
	4393.00	0.11	182.72	4392.97	-4.44	-4.32	-1.75	0.19	424212.54	659755.70	N 32 9 56.37	W 103 57 2.29
	4582.00	1.65	19.91	4581.95	-2.00	-1.95	-0.83	0.93	424214.91	659756.62	N 32 9 56.40	W 103 57 2.28
	4676.00	1.12	71.09	4675.92	-0.34	-0.38	0.50	1.37	424216.48	659757.95	N 32 9 56.41	W 103 57 2.26
	4865.00	6.92	67.00	4864.38	5.63	4.68	12.74	3.07	424221.53	659770.18	N 32 9 56.46	W 103 57 2.12
	5053.00	11.45	69.80	5049.92	18.60	15.55	40.69	2.42	424232.41	659798.13	N 32 9 56.57	W 103 57 1.80
	5242.00	14.92	69.52	5233.91	36.63	30.54	81.10	1.84	424247.40	659838.54	N 32 9 56.72	W 103 57 1.32
	5431.00	14.53	65.39	5416.71	58.34	48.93	125.45	0.59	424265.79	659882.89	N 32 9 56.90	W 103 57 0.81
	5525.00	14.70	61.84	5507.67	70.47	59.47	146.68	0.97	424276.33	659904.12	N 32 9 57.00	W 103 57 0.56
	5619.00	14.48	60.39	5598.64	83.45	70.91	167.42	0.45	424287.76	659924.85	N 32 9 57.11	W 103 57 0.32
	5808.00	13.99	54.62	5781.84	111.26	95.81	206.59	0.79	424312.66	659964.02	N 32 9 57.36	W 103 56 59.86
	5902.00	14.56	53.79	5872.94	126.21	109.37	225.39	0.64	424326.22	659982.82	N 32 9 57.49	W 103 56 59.64
	5997.00	13.92	51.35	5965.02	141.77	123.56	243.95	0.92	424340.41	660001.38	N 32 9 57.63	W 103 56 59.43
	6091.00	13.95	46.96	6056.26	157.83	138.36	261.06	1.12	424355.20	660018.49	N 32 9 57.78	W 103 56 59.23
	6185.00	13.45	45.93	6147.58	174.35	153.69	277.19	0.59	424370.54	660034.62	N 32 9 57.93	W 103 56 59.04
	6280.00	12.70	48.18	6240.12	190.15	168.34	292.91	0.95	424385.19	660050.34	N 32 9 58.07	W 103 56 58.85
	6468.00	9.89	61.59	6424.49	213.81	189.81	322.53	2.04	424406.65	660079.95	N 32 9 58.28	W 103 56 58.51
	6563.00	9.72	58.08	6518.10	222.98	197.93	336.51	0.65	424414.78	660093.93	N 32 9 58.36	W 103 56 58.35
	6657.00	10.13	57.73	6610.70	232.61	206.54	350.24	0.44	424423.38	660107.66	N 32 9 58.45	W 103 56 58.19
	6751.00	10.43	63.31	6703.19	241.93	214.78	364.83	1.11	424431.62	660122.25	N 32 9 58.53	W 103 56 58.02
	6845.00	10.27	70.22	6795.67	249.75	221.43	380.32	1.33	424438.28	660137.74	N 32 9 58.60	W 103 56 57.84
	6940.00	9.95	77.03	6889.19	255.66	226.14	396.25	1.30	424442.98	660153.70	N 32 9 58.64	W 103 56 57.65
	7003.00	9.71	77.77	6951.27	258.80	228.49	406.78	0.43	424445.33	660164.20	N 32 9 58.66	W 103 56 57.53
	7098.00	9.96	66.00	7044.88	264.99	233.53	422.12	2.13	424450.37	660179.53	N 32 9 58.71	W 103 56 57.35
	7192.00	8.12	36.85	7137.76	274.46	242.15	433.53	5.18	424458.99	660190.95	N 32 9 58.80	W 103 56 57.22
	7287.00	8.38	8.57	7231.81	287.03	254.37	438.59	4.24	424471.21	660196.00	N 32 9 58.92	W 103 56 57.16
	7381.00	8.84	15.14	7324.76	300.95	268.12	441.49	1.15	424484.96	660198.91	N 32 9 59.05	W 103 56 57.12
	7475.00	7.14	28.19	7417.85	313.39	280.24	446.14	2.63	424497.08	660203.56	N 32 9 59.17	W 103 56 57.07
	7570.00	5.24	35.74	7512.29	322.50	288.97	451.47	2.17	424505.80	660208.88	N 32 9 59.26	W 103 56 57.01
	7664.00	3.01	56.24	7606.05	327.69	293.82	456.02	2.81	424510.66	660213.44	N 32 9 59.31	W 103 56 56.95
	7758.00	3.93	82.83	7699.88	329.86	295.60	461.27	1.95	424512.43	660218.69	N 32 9 59.33	W 103 56 56.89
	7853.00	5.62	81.78	7794.55	331.52	296.67	469.11	1.78	424513.50	660226.52	N 32 9 59.34	W 103 56 56.80
	7947.00	6.60	78.16	7888.01	334.03	298.43	478.95	1.12	424515.27	660236.36	N 32 9 59.35	W 103 56 56.68
	8042.00	7.98	81.19	7982.24	337.06	300.56	490.81	1.51	424517.40	660248.22	N 32 9 59.37	W 103 56 56.55
	8136.00	8.99	88.98	8075.21	339.24	301.69	504.60	1.63	424518.53	660262.01	N 32 9 59.38	W 103 56 56.39

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 ° ' ")
	8230.00	10.34	93.62	8167.88	340.04	301.29	520.37	1.66	424518.13	660277.78	N 32 9 59.38	W 103 56 56.20
	8356.00	8.85	92.40	8292.11	340.52	300.17	541.34	1.19	424517.01	660298.75	N 32 9 59.37	W 103 56 55.96
	8535.00	19.48	86.21	8465.43	345.24	301.57	585.00	5.99	424518.41	660342.41	N 32 9 59.38	W 103 56 55.45
	8630.00	31.25	76.17	8551.16	355.22	308.54	624.89	13.15	424525.37	660382.30	N 32 9 59.45	W 103 56 54.99
	8725.00	39.80	62.60	8628.53	379.00	328.49	675.99	12.20	424545.32	660433.39	N 32 9 59.64	W 103 56 54.39
	8819.00	45.82	47.52	8697.64	419.58	365.23	727.74	12.61	424582.06	660485.14	N 32 10 0.01	W 103 56 53.79
	8914.00	48.00	35.27	8762.66	474.83	417.16	773.35	9.68	424633.99	660530.74	N 32 10 0.52	W 103 56 53.26
	9009.00	46.40	21.96	8827.36	538.07	478.04	806.68	10.41	424694.86	660564.06	N 32 10 1.12	W 103 56 52.86
	9103.00	50.32	13.30	8889.88	606.34	544.90	827.76	8.04	424761.72	660585.14	N 32 10 1.78	W 103 56 52.62
	9198.00	57.89	6.66	8945.58	682.83	620.61	840.86	9.77	424837.42	660598.25	N 32 10 2.53	W 103 56 52.46
	9292.00	68.56	1.18	8987.89	766.58	704.18	846.40	12.48	424920.99	660603.78	N 32 10 3.36	W 103 56 52.39
	9386.00	78.68	358.11	9014.37	856.32	794.23	845.78	11.21	425011.03	660603.16	N 32 10 4.25	W 103 56 52.40
	9481.00	86.56	357.26	9026.56	949.82	888.29	841.97	8.34	425105.09	660599.35	N 32 10 5.18	W 103 56 52.44
	9575.00	90.07	357.42	9029.32	1043.06	982.14	837.61	3.74	425198.92	660594.99	N 32 10 6.11	W 103 56 52.48
	9673.00	90.41	358.41	9028.91	1140.44	1080.07	834.04	1.07	425296.85	660591.43	N 32 10 7.08	W 103 56 52.52
	9768.00	90.62	359.77	9028.06	1235.03	1175.05	832.54	1.45	425391.82	660589.92	N 32 10 8.02	W 103 56 52.54
	9862.00	90.17	359.61	9027.41	1328.71	1269.05	832.03	0.51	425485.81	660589.41	N 32 10 8.95	W 103 56 52.54
	9957.00	89.86	358.05	9027.39	1423.27	1364.03	830.09	1.67	425580.78	660587.47	N 32 10 9.89	W 103 56 52.56
	10051.00	90.65	358.87	9026.97	1516.76	1457.99	827.56	1.21	425674.74	660584.95	N 32 10 10.82	W 103 56 52.58
	10144.00	90.17	359.65	9026.30	1609.39	1550.98	826.36	0.98	425767.72	660583.75	N 32 10 11.74	W 103 56 52.59
	10237.00	90.14	359.39	9026.05	1702.06	1643.97	825.58	0.28	425860.71	660582.97	N 32 10 12.66	W 103 56 52.60
	10331.00	90.21	359.81	9025.76	1795.73	1737.97	824.92	0.45	425954.70	660582.31	N 32 10 13.59	W 103 56 52.60
	10424.00	90.07	359.84	9025.54	1888.44	1830.97	824.64	0.15	426047.69	660582.03	N 32 10 14.51	W 103 56 52.60
	10517.00	90.38	359.70	9025.17	1981.14	1923.97	824.27	0.37	426140.68	660581.65	N 32 10 15.43	W 103 56 52.60
	10611.00	90.34	359.63	9024.58	2074.82	2017.97	823.72	0.09	426234.67	660581.10	N 32 10 16.36	W 103 56 52.60
	10704.00	90.48	0.46	9023.91	2167.56	2110.96	823.79	0.91	426327.66	660581.18	N 32 10 17.28	W 103 56 52.60
	10797.00	90.10	359.82	9023.44	2260.30	2203.96	824.02	0.80	426420.65	660581.40	N 32 10 18.20	W 103 56 52.59
	10891.00	90.55	359.45	9022.91	2353.98	2297.96	823.42	0.62	426514.64	660580.81	N 32 10 19.13	W 103 56 52.59
	10983.00	90.24	0.58	9022.28	2445.71	2389.95	823.44	1.27	426606.63	660580.83	N 32 10 20.04	W 103 56 52.59
	11077.00	89.76	359.49	9022.28	2539.44	2483.95	823.50	1.27	426700.62	660580.89	N 32 10 20.97	W 103 56 52.59
	11170.00	89.76	358.71	9022.67	2632.04	2576.94	822.04	0.84	426793.60	660579.43	N 32 10 21.89	W 103 56 52.60
	11265.00	89.14	359.12	9023.58	2726.61	2671.92	820.24	0.78	426888.57	660577.63	N 32 10 22.83	W 103 56 52.62
	11359.00	89.07	357.16	9025.05	2820.04	2765.85	817.19	2.09	426982.50	660574.58	N 32 10 23.76	W 103 56 52.65
	11454.00	89.55	359.60	9026.19	2914.51	2860.80	814.51	2.62	427077.44	660571.89	N 32 10 24.70	W 103 56 52.67
	11548.00	89.28	0.38	9027.15	3008.23	2954.79	814.49	0.88	427171.42	660571.88	N 32 10 25.63	W 103 56 52.67
	11643.00	89.14	0.79	9028.46	3103.01	3049.78	815.46	0.46	427266.40	660572.85	N 32 10 26.57	W 103 56 52.66
	11738.00	89.17	0.51	9029.86	3197.80	3144.76	816.54	0.30	427361.38	660573.92	N 32 10 27.51	W 103 56 52.64
	11832.00	90.10	1.22	9030.46	3291.62	3238.75	817.96	1.24	427455.36	660575.34	N 32 10 28.44	W 103 56 52.62
	11927.00	88.83	359.21	9031.35	3386.36	3333.74	818.31	2.50	427550.34	660575.70	N 32 10 29.38	W 103 56 52.61
	12117.00	89.35	0.56	9034.37	3575.75	3523.71	817.93	0.76	427740.30	660575.32	N 32 10 31.26	W 103 56 52.61
	12211.00	89.52	359.61	9035.29	3669.48	3617.70	818.07	1.03	427834.28	660575.46	N 32 10 32.19	W 103 56 52.60
	12401.00	89.31	0.61	9037.23	3858.95	3807.69	818.43	0.54	428024.25	660575.82	N 32 10 34.07	W 103 56 52.59
	12495.00	89.72	0.22	9038.03	3952.72	3901.68	819.12	0.60	428118.24	660576.50	N 32 10 35.00	W 103 56 52.58
	12590.00	88.62	359.79	9039.40	4047.43	3996.67	819.12	1.24	428213.22	660576.51	N 32 10 35.94	W 103 56 52.57
	12779.00	90.00	1.27	9041.68	4235.99	4185.64	820.87	1.07	428402.18	660578.26	N 32 10 37.81	W 103 56 52.55
	12873.00	90.65	359.47	9041.15	4329.75	4279.63	821.48	2.04	428496.16	660578.87	N 32 10 38.74	W 103 56 52.53
	13062.00	88.59	0.84	9042.40	4518.22	4468.61	821.99	1.31	428685.13	660579.38	N 32 10 40.61	W 103 56 52.52
	13252.00	89.11	356.65	9046.22	4707.23	4658.48	817.83	2.22	428874.99	660575.22	N 32 10 42.48	W 103 56 52.56
	13441.00	90.10	358.39	9047.52	4894.87	4847.29	809.65	1.06	429063.78	660567.04	N 32 10 44.35	W 103 56 52.65
	13536.00	89.93	1.00	9047.49	4989.54	4942.28	809.15	2.75	429158.76	660566.53	N 32 10 45.29	W 103 56 52.65
	13631.00	89.55	358.28	9047.92	5084.21	5037.27	808.55	2.89	429253.74	660565.94	N 32 10 46.23	W 103 56 52.65
	13726.00	89.62	358.15	9048.61	5178.66	5132.22	805.59	0.16	429348.69	660562.98	N 32 10 47.17	W 103 56 52.68
	13821.00	89.59	356.75	9049.27	5272.96	5227.12	801.36	1.47	429443.58	660558.75	N 32 10 48.11	W 103 56 52.73
	13915.00	89.97	2.46	9049.63	5366.60	5321.08	800.72	6.09	429537.53	660558.11	N 32 10 49.04	W 103 56 52.73
	14010.00	89.97	357.95	9049.68	5461.33	5416.06	801.06	4.75	429632.50	660558.45	N 32 10 49.98	W 103 56 52.72
	14104.00	89.62	0.40	9050.01	5554.93	5510.04	799.70	2.63	429726.48	660557.09	N 32 10 50.91	W 103 56 52.74
	14199.00	89.55	359.79	9050.70	5649.67	5605.04	799.86	0.65	429821.47	660557.25	N 32 10 51.85	W 103 56 52.73
	14294.00	89.76	1.27	9051.28	5744.45	5700.03	800.74	1.57	429916.45	660558.13	N 32 10 52.79	W 103 56 52.72
	14388.00	89.83	1.12	9051.61	5838.30	5794.01	802.70	0.18	430010.42	660560.09	N 32 10 53.72	W 103 56 52.69
	14483.00	91.00	359.57	9050.92	5933.06	5889.00	803.27	2.04	430105.40	660560.66	N 32 10 54.66	W 103 56 52.68
	14578.00	89.69	0.19	9050.35	6027.77	5983.99	803.07	1.53	430200.39	660560.46	N 32 10 55.60	W 103 56 52.68
	14673.00	90.21	358.01	9050.43	6122.36	6078.98	801.58	2.36	430295.37	660558.97	N 32 10 56.54	W 103 56 52.69
	14767.00	89.83	358.55	9050.40	6215.83	6172.93	798.76	0.70	430389.32	660556.15	N 32 10 57.47	W 103 56 52.72
	14862.00	90.48	359.16	9050.14	6310.39	6267.91	796.86	0.94	430484.29	660554.25	N 32 10 58.41	W 103 56 52.74
	14957.00	90.17	359.57	9049.61	6405.03	6362.90	795.81	0.54	430579.28	660553.20	N 32 10 59.35	W 103 56 52.75
	15051.00	89.59	358.64	9049.80	6498.63	6456.89	794.34	1.17	430673.26	660551.73	N 32 11 0.28	W 103 56 52.76
	15146.00	90.03	359.46	9050.12	6593.22	6551.88	792.77	0.98	430768.23	660550.15	N 32 11 1.22	W 103 56 52.77
	15241.00	90.07	358.62	9050.03	6687.81	6646.86	791.17	0.89	430863.21	660548.56	N 32 11 2.16	W 103 56 52.79
	15335.00	89.79	359.92	9050.15	6781.43	6740.85	789.98	1.41	430957.19	660547.37	N 32 11 3.09	W 103 56 52.80
	15430.00	89.76	0.68	9050.52	6876.19	6835.85	790.47	0.80	431052.18	660547.86	N 32 11 4.03	W 103 56 52.79
	15525.00	89.93	0.08	9050.78	6970.96	6930.85	791.10	0.66	431147.17	660548.49	N 32 11 4.97	W 103 56 52.78
	15620.00	89.76	359.59	9051.04	7065.66	7025.85	790.83	0.55	431242.17	660548.22	N 32 11 5.91	W 103 56 52.78
	15714.00	90.41	359.16	9050.90	7159.31	7119.84	789.80	0.83	431336.15	660547.19	N 32 11 6.84	W 103 56 52.78
	15809.00	89.62	0.33	9050.87	7254.00	7214.84	789.38	1.49	431431.14	660546.77	N 32 11 7.78	W 103 56 52.79
	15998.00	89.55	0.19	9052.24	7442.50	7403.83	790.24	0.08	431620.12	660547.63	N 32 11 9.65	W 103 56 52.77
	16092.00	89.11	359.65	9053.34	7536.21	7497.82	790.11	0.74	431714.11	660547.50	N 32 11 10.58	W 103 56 52.77
	16187.00	91.14	0.67	9053.13	7630.95	7592.82	790.37	2.39	431809.09	660547.76	N 32 11 11.52	W 103 56 52.76
	16281.00	90.55	359.37	9051.75	7724.67	7686.80	790.41	1.52	431903.07	660547.80	N 32 11 12.45	W 103 56 52.75
	16376.00	89.90	359.55	9051.37	7819.32	7781.80	789.51	0.71	431998.06	660546.90	N 32 11 13.39	W 103 56 52.76
	16470.00	89.93	359.20	9051.51	7912.96	7875.79	788.49	0.37	432092.05	660545.87	N 32 11 14.32	W 103 56 52.77
	16659.00	90.96	358.70	9050.05	8101.11	8064.75	785.02	0.61	432280.99	660542.41	N 32 11 16.19	W 103 56 52.80
	16848.00	89.59	359.87	9049.14	8289.36	8253.73	782.66	0.95	432469.95	660540.05	N 32 11 18.06	W 103 56 52.82
	17038.00	90.69	0.54	9048.67	8478.85	8443.72	783.34	0.68	432659.93	660540.73	N 32 11 19.94	W 103 56 52.80
	17132.00	90.96	359.89	9047.32	8572.60	8537.71	783.70	0.75	432753.91	660541.09	N 32 11 20.87	W 103 56 52.80
	17321.00	89.86	1.85	9045.97	8761.23	8726.67	786.57	1.19	432942.86	660543.96	N 32 11 22.74	W 103 56 52.76
	17511.00	91.69	2.93	9043.40	8951.09	8916.48	794.49	1.12	433132.65	660551.88	N 32 11 24.62	W 103 56 52.66
	17700.00	90.76	0.34	9039.36	9139.81	9105.34	799.88	1.46	433321.50	660557.27	N 32 11 26.49	W 103 56 52.58
	17794.00	88.90	1.48	9039.64	9233.63	9199.32	801.37	2.32	433415.47	660558.76	N 32 11 27.42	W 103 56 52.56
	17889.00	89.97	0.36	9040.57	9328.45	9294.30	802.90	1.63	433510.45	660560.28	N 32 11 28.36	W 103 56 52.54
	17983.00	89.72	2.33	9040.83	9422.32	9388.27	805.10	2.11	433604.41	660562.49	N 32 11 29.29	W 103 56 52.51
	18173.00	90.07	2.85	9041.17	9612.22	9578.07	813.69	0.33	433794.20	660571.08	N 32 11 31.17	W 103 56 52.40
	18268.00	89.38	2.13	9041.63	9707.17	9672.98	817.82	1.05	433889.10	660575.20	N 32 11 32.10	W 103 56 52.35
	18362.00	89.28	2.30	9042.73	9801.10	9766.91	821.45	0.21	433983.02	660578.83	N 32 11 33.03	W 103 56 52.31
	18457.00	89.28	2.26	9043.92	9896.03	9861.82	825.23	0.04	434077.93	660582.61	N 32 11 33.97	W 103 56 52.26
	18551.00	89.52	1.41	9044.91	9989.93	9955.77	828.24	0.94	434171.86	660585.62	N 32 11 34.90	W 103 56 52.22
	18646.00	89.21	2.19	9045.96	10084.83	10050.72	831.22	0.88	434266.80	660588.61	N 32 11 35.84	W 103 56 52.18
	18741.00	91.17	1.21	9045.65	10179.72	10145.67	834.04	2.31	434361.75	660591.42	N 32 11 36.78	W 103 56 52.14
	18836.00	89.79	358.10	9044.85	10274.38	10240.65	833.47	3.58	434456.72	660590.85	N 32 11 37.72	W 103 56 52.15
	18930.00	89.24	358.39	9045.65	10367.84	10334.60	830.59	0.66	434550.67	660587.97	N 32 11 38.65	W 103 56 52.18
	19025.00	89.52	359.03	9046.67	10462.37	10429.57	828.45	0.74	434645.63	660585.84	N 32 11 39.59	W 103 56 52.20
	19119.00	89.21	357.79	9047.72	10555.86	10523.53	825.84	1.36	434739.58	660583.23	N 32 11 40.52	W 103 56 52.22
	19214.00	89.48	358.07	9048.80	10650.25	10618.46	822.41	0.41	434834.50	660579.80	N 32 11 41.46	W 103 56 52.26
Final MWD Survey	19271.00	89.24	358.21	9049.44	10706.91	10675.42	820.56	0.49	434891.46	660577.95	N 32 11 42.02	W 103 56 52.28
Proj. to Bit	19313.00	89.24	358.21	9050.00	10748.67	10717.40	819.25	0.00	434933.44	660576.64	N 32 11 42.44	W 103 56 52.29

Survey Type: Def Survey

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 ° ' ")

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

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Corral Fly 35-26 Federal Com 26H Gyro+MWD(IFR1) 0-19,313'
	1	26.500	26.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Corral Fly 35-26 Federal Com 26H Gyro+MWD(IFR1) 0-19,313'
	1	26.500	446.700	Act Stns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Corral Fly 35-26 Federal Com 26H
	1	446.700	8356.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Corral Fly 35-26 Federal Com 26H
	1	8356.000	8725.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Corral Fly 35-26 Federal Com 26H
	1	8725.000	19313.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Corral Fly 35-26 Federal Com 26H

Schlumberger OXY

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

Gravity & Magnetic Parameters						Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet					Miscellaneous		
Model:	HDGM 2018	Dip: 59.922°	Date: 11-Jun-2018			Lat: N 32 9 56.42	Northing: 424218.88ftUS	Grid Conv: 0.2037°				Slot: Oxy Corral Fly 35-26 Federal Com 26H	TVD Ref: RKB=26.5' (3098.7ft above MSL)	
MagDec: 6.984°	FS: 47987.115nT	Gravity FS: 998.453mgn (9.80665 Based)				Lon: W 103 57 2.27	Easting: 659757.45ftUS	Scale Fact: 0.99992515				Plan: Oxy Corral Fly 35-26 Federal Com 26H Rev1 APS 04Apr18		

Grid
True
Mag

Grid North
Tot Corr (M->G 6.780°)
Mag Dec (6.984°)
Grid Conv (0.204°)