

Schlumberger

Oxy Corral Fly 02-01 State 25H Gyro+DMAG+MWD to 18,935' Survey

Geodetic Report

(Def Survey)



30.015-44512

Report Date March 05 2018 01 10 PM
 Client OXY
 Field NM Eddy County (NAD 83)
 Structure / Slot Oxy Corral Fly 02 01 State 25H / Oxy Corral Fly 02 01 State 25H
 Well Oxy Corral Fly 02 01 State 25H
 Borehole Original Borehole
 UWI / API# Unknown / 30-015-44512
 Survey Name Oxy Corral Fly 02 01 State 25H Gyro+DMAG+MWD 0-18 935
 Survey Date February 16 2018
 Tort / AHD / DDI / ERD Ratio 208 037 / 10715 614 ft / 6 664 / 1 183
 Coordinate Reference System NAD83 New Mexico State Plane Eastern Zone US Feet
 Location Lat / Long N 32 9 19 34968 W 103 57 44 53344
 Location Grid N/E Y/X N 420458 450 RUS E 656137 590 RUS
 CRS Grid Convergence Angle 0 1974
 Grid Scale Factor 0 99992419
 Version / Patch 2 10 706 0

Survey / DLS Computation
 Vertical Section Azimuth
 Vertical Section Origin
 TVD Reference Datum
 TVD Reference Elevation
 Seabed / Ground Elevation
 Magnetic Declination
 Total Gravity Field Strength
 Gravity Model
 Total Magnetic Field Strength
 Magnetic Dip Angle
 Declination Data
 Magnetic Declination Model
 North Reference
 Grid Convergence Used
 Total Cor Mag North->Grid
 North
 Local Coord Referenced To

Minimum Curvature / Lubinski
 88 844 (Grid North)
 0 000 ft 0 000 ft
 RKB=26 5
 3054 100 ft above MSL
 3027 600 ft above MSL
 7 027
 998 4550mgN (9 80665 Based)
 GARM
 48020 075 nT
 59 923
 February 16 2018
 HDGM 2017
 Gnd North
 0 1974
 6 8293
 Well Head

NM OIL CONSERVATION
 ARTESIA DISTRICT

APR 16 2018

RECEIVED

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S °)	Longitude (E/W °)
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	420458 45	656137 59	N 32 9 19 35	W 103 57 44 53
	100.74	1.46	2.39	100.73	0.08	1.28	0.05	1.45	420459 73	656137 64	N 32 9 19 36	W 103 57 44 53
	189.42	1.12	352.79	189.39	0.06	3.27	0.01	0.45	420461 72	656137 58	N 32 9 19 38	W 103 57 44 53
	278.24	1.02	303.54	278.19	0.08	4.57	-0.78	1.01	420463 02	656136 81	N 32 9 19 39	W 103 57 44 54
	372.23	1.84	294.14	372.15	2.74	5.65	2.85	0.90	420464 10	656134 74	N 32 9 19 41	W 103 57 44 57
	392.65	2.05	288.36	392.56	3.38	5.90	3.50	1.41	420464 35	656134 09	N 32 9 19 41	W 103 57 44 57
	591.00	1.74	291.45	590.80	9.50	8.12	9.67	0.16	420466 57	656127 92	N 32 9 19 43	W 103 57 44 65
	686.00	0.22	290.01	685.79	11.00	8.71	11.18	1.60	420467 16	656126 41	N 32 9 19 44	W 103 57 44 66
	781.00	0.02	190.08	780.79	11.18	8.75	11.35	0.24	420467 20	656126 24	N 32 9 19 44	W 103 57 44 67
	876.00	0.01	166.59	875.79	11.18	8.73	11.36	0.01	420467 18	656126 24	N 32 9 19 44	W 103 57 44 67
	971.00	0.02	141.70	970.79	11.16	8.71	11.34	0.01	420467 16	656126 25	N 32 9 19 44	W 103 57 44 67
	1066.00	0.01	172.68	1065.79	11.15	8.69	11.33	0.01	420467 13	656126 26	N 32 9 19 44	W 103 57 44 68
	1161.00	0.01	188.16	1160.79	11.15	8.67	11.33	0.00	420467 12	656126 26	N 32 9 19 44	W 103 57 44 68
	1255.00	0.01	191.41	1254.79	11.16	8.65	11.33	0.00	420467 10	656126 26	N 32 9 19 44	W 103 57 44 68
	1350.00	0.01	182.86	1349.79	11.16	8.64	11.34	0.00	420467 09	656126 25	N 32 9 19 44	W 103 57 44 68
	1445.00	0.01	109.14	1444.79	11.15	8.63	11.33	0.01	420467 07	656126 26	N 32 9 19 44	W 103 57 44 68
	1540.00	0.01	143.88	1539.79	11.14	8.62	11.32	0.01	420467 07	656126 27	N 32 9 19 44	W 103 57 44 68
Last Gyro	1635.00	0.01	205.87	1634.79	11.14	8.60	11.32	0.01	420467 05	656126 28	N 32 9 19 44	W 103 57 44 68
	1742.00	0.13	252.97	1741.79	11.26	8.56	11.44	0.12	420467 01	656126 16	N 32 9 19 43	W 103 57 44 67
	1837.00	0.18	261.76	1836.79	11.51	8.50	11.69	0.06	420466 95	656125 90	N 32 9 19 43	W 103 57 44 67
	2027.00	0.23	59.36	2026.78	11.48	8.66	11.65	0.21	420467 11	656125 84	N 32 9 19 44	W 103 57 44 67
	2122.00	0.36	37.10	2121.78	11.13	8.99	11.31	0.18	420467 44	656126 28	N 32 9 19 44	W 103 57 44 68
	2216.00	0.40	331.45	2215.78	11.09	9.52	11.29	0.44	420467 96	656126 30	N 32 9 19 44	W 103 57 44 68
	2311.00	0.34	331.74	2310.78	11.37	10.06	11.58	0.06	420468 50	656126 01	N 32 9 19 45	W 103 57 44 67
	2406.00	0.08	36.92	2405.78	11.46	10.36	11.67	0.33	420468 81	656125 92	N 32 9 19 45	W 103 57 44 67
	2501.00	0.06	160.29	2500.78	11.41	10.36	11.62	0.13	420468 81	656125 97	N 32 9 19 45	W 103 57 44 67
	2596.00	0.30	222.00	2595.78	11.56	10.13	11.77	0.29	420468 58	656125 82	N 32 9 19 45	W 103 57 44 67
	2690.00	0.46	205.51	2689.78	11.90	9.61	12.09	0.20	420468 06	656125 50	N 32 9 19 45	W 103 57 44 67
	2880.00	0.08	183.47	2879.77	12.25	8.79	12.43	0.20	420467 24	656125 16	N 32 9 19 44	W 103 57 44 68
	2975.00	0.13	242.18	2974.77	12.35	8.67	12.53	0.12	420467 12	656125 06	N 32 9 19 44	W 103 57 44 68
	3069.00	0.46	221.90	3068.77	12.70	8.34	12.88	0.36	420466 79	656124 72	N 32 9 19 43	W 103 57 44 68
	3259.00	0.08	109.85	3258.77	13.10	7.73	13.26	0.26	420466 18	656124 33	N 32 9 19 43	W 103 57 44 69
	3449.00	0.08	84.34	3448.77	12.85	7.69	13.00	0.02	420466 14	656124 59	N 32 9 19 43	W 103 57 44 68
	3544.00	0.00	116.74	3543.77	12.78	7.70	12.94	0.08	420466 15	656124 65	N 32 9 19 43	W 103 57 44 68
	3734.00	0.06	310.62	3733.77	12.85	7.77	13.01	0.03	420466 22	656124 58	N 32 9 19 43	W 103 57 44 68
	3829.00	0.08	348.67	3828.77	12.90	7.86	13.06	0.05	420466 31	656124 53	N 32 9 19 43	W 103 57 44 69
	3924.00	0.06	162.69	3923.77	12.90	7.88	13.06	0.15	420466 33	656124 53	N 32 9 19 43	W 103 57 44 69
	4019.00	0.11	260.15	4018.77	12.98	7.82	13.14	0.14	420466 27	656124 45	N 32 9 19 43	W 103 57 44 69
	4209.00	0.00	53.95	4208.77	13.16	7.79	13.32	0.06	420466 24	656124 27	N 32 9 19 43	W 103 57 44 69
	4398.00	0.06	267.44	4397.77	13.26	7.78	13.42	0.03	420466 23	656124 18	N 32 9 19 43	W 103 57 44 69
	4588.00	0.08	216.32	4587.77	13.44	7.67	13.59	0.03	420466 12	656124 00	N 32 9 19 43	W 103 57 44 69
	4683.00	0.06	289.65	4682.77	13.52	7.63	13.68	0.09	420466 08	656123 91	N 32 9 19 43	W 103 57 44 69
	4872.00	0.08	225.16	4871.77	13.71	7.57	13.87	0.04	420466 02	656123 72	N 32 9 19 43	W 103 57 44 69
	4967.00	0.08	321.71	4966.77	13.80	7.58	13.95	0.13	420466 03	656123 64	N 32 9 19 43	W 103 57 44 70
	5157.00	2.66	294.87	5156.70	17.84	9.54	18.04	1.38	420467 99	656119 55	N 32 9 19 44	W 103 57 44 74
	5251.00	4.10	292.35	5250.53	22.88	11.73	23.12	1.54	420470 18	656114 47	N 32 9 19 47	W 103 57 45 00
	5491.00	8.47	289.29	5449.67	-40.00	18.18	-40.38	1.19	420476 62	656097 22	N 32 9 19 53	W 103 57 44 80
	5631.00	7.82	291.68	5628.27	-60.79	26.05	-61.33	0.77	420484 50	656076 27	N 32 9 19 61	W 103 57 45 25
	5821.00	7.86	288.12	5816.54	-84.66	34.76	-85.37	0.27	420493 21	656052 22	N 32 9 19 70	W 103 57 45 53
	5908.00	7.49	286.43	5902.78	95.53	38.17	96.32	0.32	420496 62	656041 27	N 32 9 19 73	W 103 57 45 85
	6098.00	7.90	284.73	6091.07	119.90	44.99	120.83	0.25	420503 44	656016 77	N 32 9 19 80	W 103 57 45 84
	6182.00	8.49	284.56	6184.11	132.79	48.38	133.78	0.63	420506 83	656003 81	N 32 9 19 83	W 103 57 46 09
	6287.00	8.76	283.97	6278.03	146.52	51.89	147.60	0.30	420510 34	655990 00	N 32 9 19 87	W 103 57 46 25
	6382.00	8.69	282.32	6371.93	160.49	55.17	161.83	0.27	420513 81	655975 97	N 32 9 19 90	W 103 57 46 41
	6572.00	8.75	278.47	6559.74	188.69	60.36	189.95	0.31	420518 80	655947 65	N 32 9 19 95	W 103 57 46 74
	6667.00	8.44	278.68	6653.67	202.69	62.48	203.99	0.33	420520 92	655933 62	N 32 9 19 97	W 103 57 46 90
	6762.00	8.35	283.47	6747.66	216.23	65.13	217.59	0.74	420523 58	655920 02	N 32 9 20 00	W 103 57 47 06
	6857.00	7.87	293.16	6841.71	228.83	69.30	230.28	1.52	420527 74	655907 33	N 32 9 20 04	W 103 57 47 21
	6952.00	7.97	295.54	6935.80	240.64	74.70	242.20	0.36	420533 14	655895 41	N 32 9 20 10	W 103 57 47 35
	7141.00	8.88	283.01	7122.78	265.50	83.63	268.24	1.08	420542 07	655869 37	N 32 9 20 19	W 103 57 47 65
	7328.00	8.43	275.11	7307.65	294.12	88.10	295.96	0.68	420546 54	655841 66	N 32 9 20 23	W 103 57 47 97
	7422.00	7.35	279.62	7400.76	306.87	89.72	308.75	1.32	420548 16	655828 87	N 32 9 20 25	W 103 57 48 12
	7517.00	6.13	290.08	7495.11	317.57	92.48	319.50	1.82	420550 92	655818 11	N 32 9 20 28	W 103 57 48 25
	7611.00	5.27	307.75	7586.65	325.61	96.84	327.63	2.07	420555 29	655809 98	N 32 9 20 32	W 103 57 48 34
	7706.00	4.64	326.81	7683.30	331.04	102.73	333.18	1.84	420561 17	655804 43	N 32 9 20 38	W 103 57 48 40
	7801.00	3.81	350.81	7778.05	333.52	109.06	335.79	2.04	420567 50	655801 82	N 32 9 20 44	W 103 57 48 43
	7896.00	4.22	10.63	7872.82	333.25	115.61	335.65	1.51	420574 06	655801 96	N 32 9 20 51	W 103 57 48 43
	7991.00	3.99	32.62	7967.58	330.70	121.83	333.23	1.66	420580 27	655804 39	N 32 9 20 57	W 103 57 48 40
	8086.00	4.94	50.98	8062.30	-325.63	127.19	328.27	1.79	420585 63	655809 35	N 32 9 20 62	W 103 57 48 35
	8180.00	5.36	54.19	8155.92	-318.83	132.31	-321.56	0.54	420590 75	655816 05	N 32 9 20 67	W 103 57 48 27
	8246.00	6.20	63.07	8221.58	-313.08	135.73	-315.88	1.86	420594 17	655821 73	N 32 9 20 70	W 103 57 48 20

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S)	Longitude (E/W)
	9013 00	67 54	87 59	8818 08	87 44	159 97	84 23	8 38	420618 41	656221 82	N 32	9 20 93 W 103 57 43 55
	9108 00	73 25	89 70	8849 94	176 89	162 06	173 66	6 36	420620 49	656311 24	N 32	9 20 95 W 103 57 42 51
	9202 00	80 13	91 01	8871 57	268 28	161 47	265 08	7 44	420619 91	656402 65	N 32	9 20 94 W 103 57 41 44
	9297 00	87 03	90 21	8882 19	362 58	160 48	359 42	7 31	420618 91	656496 98	N 32	9 20 93 W 103 57 40 35
	9334 00	86 83	89 99	8884 17	399 52	160 41	396 36	0 80	420618 85	656533 92	N 32	9 20 92 W 103 57 39 92
	9366 00	86 73	88 73	8885 97	431 47	160 77	428 31	3 94	420619 20	656565 87	N 32	9 20 93 W 103 57 39 54
	9459 00	87 66	87 82	8890 52	524 35	163 56	521 16	1 40	420622 00	656658 70	N 32	9 20 95 W 103 57 38 46
	9553 00	87 77	87 63	8894 27	618 26	167 29	615 01	0 23	420625 73	656752 55	N 32	9 20 98 W 103 57 37 37
	9646 00	88 83	86 56	8897 03	711 17	172 00	707 84	1 62	420630 44	656845 38	N 32	9 21 03 W 103 57 36 29
	9739 00	89 00	86 99	8898 79	804 09	177 23	800 68	0 50	420635 67	656938 21	N 32	9 21 08 W 103 57 35 21
	9833 00	88 83	90 14	8900 57	898 06	179 59	894 62	3 36	420638 02	657032 14	N 32	9 21 10 W 103 57 34 12
	9926 00	88 97	90 14	8902 35	991 02	179 36	987 60	0 15	420637 80	657125 12	N 32	9 21 09 W 103 57 33 04
	10019 00	88 87	90 60	8904 02	1083 97	178 76	1080 59	0 49	420637 20	657218 09	N 32	9 21 08 W 103 57 31 96
	10113 00	88 76	89 92	8905 89	1177 92	178 33	1174 57	0 76	420636 77	657312 06	N 32	9 21 07 W 103 57 30 86
	10206 00	88 90	90 15	8907 79	1270 89	178 28	1267 55	0 29	420636 71	657405 04	N 32	9 21 07 W 103 57 29 78
	10299 00	88 83	90 25	8909 63	1363 84	177 95	1360 53	0 13	420636 39	657498 01	N 32	9 21 06 W 103 57 28 70
	10392 00	88 83	89 90	8911 53	1456 80	177 83	1453 51	0 38	420636 27	657590 99	N 32	9 21 06 W 103 57 27 62
	10486 00	88 83	89 91	8913 45	1550 76	177 99	1547 49	0 01	420636 42	657684 96	N 32	9 21 06 W 103 57 26 53
	10579 00	89 04	87 25	8915 17	1643 74	180 29	1640 44	2 87	420638 73	657777 90	N 32	9 21 08 W 103 57 25 44
	10674 00	88 76	86 69	8917 00	1738 67	185 31	1735 28	0 66	420643 75	657872 74	N 32	9 21 12 W 103 57 24 34
	10769 00	88 90	86 70	8918 94	1833 58	190 79	1830 11	0 15	420649 22	657967 55	N 32	9 21 17 W 103 57 23 24
	10864 00	88 76	86 90	8920 88	1928 50	196 09	1924 94	0 26	420654 52	658062 38	N 32	9 21 22 W 103 57 22 13
	10959 00	89 04	90 47	8922 70	2023 47	198 27	2019 88	3 77	420656 70	658157 31	N 32	9 21 24 W 103 57 21 03
	11054 00	88 83	90 26	8924 47	2118 42	197 66	2114 86	0 31	420656 10	658252 29	N 32	9 21 23 W 103 57 19 93
	11149 00	88 66	89 88	8926 55	2213 38	197 55	2209 84	0 44	420655 98	658347 26	N 32	9 21 23 W 103 57 18 82
	11244 00	88 62	89 94	8928 80	2308 33	197 70	2304 81	0 08	420656 13	658442 22	N 32	9 21 23 W 103 57 17 72
	11339 00	88 80	89 97	8930 94	2403 29	197 77	2399 79	0 19	420656 21	658537 19	N 32	9 21 22 W 103 57 16 61
	11434 00	89 42	89 93	8932 42	2498 26	197 85	2494 78	0 65	420656 29	658632 17	N 32	9 21 22 W 103 57 15 51
	11529 00	89 24	89 32	8933 53	2593 24	198 48	2589 77	0 67	420656 91	658727 16	N 32	9 21 22 W 103 57 14 40
	11624 00	89 35	89 70	8934 70	2688 23	199 29	2684 76	0 42	420657 72	658822 14	N 32	9 21 23 W 103 57 13 30
	11719 00	89 04	89 79	8936 03	2783 21	199 71	2778 75	0 34	420658 14	658917 12	N 32	9 21 23 W 103 57 12 19
	11814 00	89 21	89 87	8937 48	2878 18	199 99	2874 73	0 20	420658 43	659012 10	N 32	9 21 23 W 103 57 11 09
	11909 00	89 35	89 59	8938 68	2973 17	200 44	2969 73	0 33	420658 67	659107 08	N 32	9 21 23 W 103 57 9 98
	12004 00	89 00	89 38	8940 04	3068 15	201 29	3064 71	0 42	420659 72	659202 08	N 32	9 21 24 W 103 57 8 88
	12099 00	89 38	89 78	8941 39	3163 13	201 87	3159 70	0 17	420660 41	659297 04	N 32	9 21 24 W 103 57 7 77
	12194 00	89 24	92 76	8942 53	3258 03	199 87	3254 66	3 54	420660 30	659392 00	N 32	9 21 21 W 103 57 6 67
	12289 00	89 00	83 28	8943 99	3352 76	194 86	3349 52	0 60	420663 30	659486 84	N 32	9 21 16 W 103 57 5 58
	12384 00	89 42	93 04	8945 30	3447 49	189 63	3444 36	0 51	420648 06	659581 68	N 32	9 21 11 W 103 57 4 46
	12479 00	89 35	83 39	8946 32	3542 20	184 30	3539 21	0 38	420642 74	659676 52	N 32	9 21 05 W 103 57 3 36
	12574 00	88 90	89 59	8947 77	3637 07	181 83	3634 15	4 03	420640 27	659771 45	N 32	9 21 02 W 103 57 2 25
	12669 00	88 11	91 06	8950 25	3732 01	181 29	3729 11	1 76	420639 73	659866 41	N 32	9 21 01 W 103 57 1 15
	12764 00	89 28	89 71	8952 41	3826 94	180 65	3824 08	1 88	420639 09	659961 37	N 32	9 21 00 W 103 57 0 04
	12859 00	89 21	89 49	8953 67	3921 93	181 32	3919 07	0 24	420639 75	660056 35	N 32	9 21 01 W 103 56 58 94
	12954 00	89 28	89 48	8954 92	4016 91	182 17	4014 05	0 07	420640 61	660151 33	N 32	9 21 01 W 103 56 57 83
	13050 00	89 14	89 96	8956 24	4112 89	182 64	4110 04	0 52	420641 08	660247 31	N 32	9 21 01 W 103 56 56 72
	13145 00	89 28	89 82	8957 55	4207 87	182 82	4205 04	0 21	420641 26	660342 30	N 32	9 21 01 W 103 56 55 61
	13240 00	89 24	90 34	8958 78	4302 84	182 69	4300 03	0 55	420641 13	660437 28	N 32	9 21 01 W 103 56 54 51
	13334 00	89 35	89 81	8959 93	4396 81	182 57	4394 02	0 58	420641 00	660531 27	N 32	9 21 00 W 103 56 53 42
	13429 00	89 21	89 73	8961 13	4491 79	182 95	4489 01	0 17	420641 38	660626 25	N 32	9 21 00 W 103 56 52 31
	13524 00	89 79	89 39	8961 96	4586 78	183 68	4584 00	0 71	420642 11	660721 24	N 32	9 21 01 W 103 56 51 21
	13619 00	89 83	89 22	8962 27	4681 77	184 83	4679 00	0 18	420643 27	660816 22	N 32	9 21 02 W 103 56 50 10
	13714 00	89 55	89 03	8962 79	4776 77	186 28	4773 98	0 36	420644 72	660911 20	N 32	9 21 03 W 103 56 49 00
	13808 00	89 76	89 36	8963 35	4870 77	187 60	4867 97	0 42	420646 04	661005 18	N 32	9 21 04 W 103 56 47 90
	13903 00	89 97	89 24	8963 58	4965 76	186 76	4962 97	0 25	420647 20	661100 17	N 32	9 21 04 W 103 56 46 80
	13998 00	89 38	90 13	8964 12	5060 75	188 28	5057 96	1 12	420647 72	661195 16	N 32	9 21 05 W 103 56 45 69
	14093 00	89 14	89 72	8965 34	5155 73	189 41	5152 95	0 50	420647 84	661290 14	N 32	9 21 04 W 103 56 44 59
	14188 00	89 38	89 65	8966 57	5250 71	189 93	5247 94	0 26	420648 37	661385 12	N 32	9 21 05 W 103 56 43 48
	14283 00	88 69	91 19	8968 17	5345 65	189 23	5342 92	1 78	420647 67	661480 10	N 32	9 21 04 W 103 56 42 38
	14378 00	88 31	90 47	8970 66	5440 56	187 86	5437 88	0 86	420646 29	661575 05	N 32	9 21 02 W 103 56 41 27
	14473 00	88 42	90 65	8973 37	5535 48	186 93	5532 84	0 22	420645 37	661670 00	N 32	9 21 01 W 103 56 40 17
	14568 00	88 14	90 56	8976 22	5630 39	185 93	5627 79	0 31	420644 36	661764 94	N 32	9 20 99 W 103 56 39 06
	14663 00	88 56	89 93	8978 95	5725 33	185 52	5722 75	0 80	420643 96	661859 89	N 32	9 20 99 W 103 56 37 96
	14758 00	88 90	89 90	8981 06	5820 29	185 66	5817 72	0 36	420644 10	661954 86	N 32	9 20 98 W 103 56 36 85
	14852 00	89 55	91 87	8982 33	5914 21	184 21	5911 70	2 21	420642 65	662048 83	N 32	9 20 97 W 103 56 35 75
	14947 00	88 83	89 91	8983 67	6009 14	182 74	6006 67	2 20	420641 17	662143 80	N 32	9 20 95 W 103 56 34 66
	15041 00	88 80	90 08	8985 62	6103 10	182 74	6100 65	0 18	420641 18	662237 77	N 32	9 20 94 W 103 56 33 56
	15136 00	88 93	89 84	8987 50	6198 06	182 81	6195 63	0 29	420641 25	662332 74	N 32	9 20 94 W 103 56 32 46
	15231 00	88 52	90 23	8989 61	6293 02	182 75	6290 61	0 60	420641 19	662427 71	N 32	9 20 94 W 103 56 31 35
	15326 00	88 80	90 54	8991 83	6387 96	182 11	6385 58	0 44	420640 55	662522 68	N 32	9 20 93 W 103 56 30 25
	15420 00	88 80	90 10	8993 80	6481 90	181 59	6479 56	0 47	420640 03	662616 65	N 32	9 20 92 W 103 56 29 16
	15515 00	88 80	89 85	8995 79	6576 87	181 63	6574 54	0 26	420640 07	662711 62	N 32	9 20 92 W 103 56 28 05
	15610 00	88 00	88 35	8998 45	6671 82	183 12	6669 49	1 79	420641 56	662806 56	N 32	9 20 93 W 103 56 26 95
	15705 00	88 69	90 27	9001 19	6766 78	184 27	6764 44	2 15	420642 70	662901 50	N 32	9 20 94 W 103 56 25 84
	15799 00	88 52	89 65	9003 48	6860 73	184 33	6858 41	0 68	420642 77	662995 46	N 32	9 20 93 W 103 56 24 74
	15894 00	88 83	90 13	9005 67	6955 69	184 51	6953 38	0 60	420642 95	663090 43	N 32	9 20 93 W 103 56 23 65
	15989 00	88 87	90 22	9007 58	7050 64	184 22	7048 36	0 10	420642 66	663185 40	N 32	9 20 92 W 103 56 22 54
	16084 00	88 69	90 29	9009 60	7145 59	183 80	7143 34	0 20	4206			

Comments	MD (ft)	Incl (°)	Azim Grd (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S °)	Longitude (E/W °)
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Survey Type Def 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)	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 02-01 State 25H Gyro+DMAG+MWD 0-18 935
	1	26 500	26 500	Act Stns	30 000	30 000	NAL_NSG+MSHOT Depth Only	Original Borehole / Oxy Corral Fly 02-01 State 25H Gyro+DMAG+MWD 0-18 935
	1	26 500	1635 000	Act Stns	30 000	30 000	NAL_NSG+MSHOT	Original Borehole / Oxy Corral Fly 02-01 State 25H
	1	1635 000	8246 000	Act Stns	30 000	30 000	NAL_MWD_PLUS_0 5_DEG	Original Borehole / Oxy Corral Fly 02-01 State 25H
	1	8246 000	9334 000	Act Stns	30 000	30 000	NAL_MWD_HDGM+MS	Original Borehole / Oxy Corral Fly 02-01 State 25H
	1	9334 000	18935 000	Act Stns	30 000	30 000	NAL_MWD_PLUS_0 5_DEG	Original Borehole / Oxy Corral Fly 02-01 State 25H

Schlumberger

OXY



Borehole	Well	Field	Structure
Original Borehole	Oxy Corral Fly 02-01 State 25H	NM Eddy County (NAD 83)	Oxy Corral Fly 02-01 State 25H

Gravity & Magnetic Parameters			Surface Location			Miscellaneous		
Model	HDM 2017	Dip: 69.82°	Date	16-Feb-2018	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Slot	Oxy Corral Fly 02-01 State 25H
MagDec	7.027°	PS: 49020.075-T	Gravity PS	898.450mgn (R3086 Based)	Lat: N 32 8 19.36	Northing	420488.66RUS	TVD Ref:
					Lon: W 103 67 44.53	Eastng	686157.68RUS	RKB=26.5' (2664.1ft above MSL)
						Grid Conv	0.1874	Plan
						Scale Fact	0.9992419	Oxy Corral Fly 02-01 State 25H REV1 ALS 14Feb18

