Schlumberger

Oxy Corral Canyon 36-25 Federal Com 25H Gyro+MWD 0-19,575' Survey
Geodetic Report
(Def Survey)

30.015.44635

OXY

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 01 2018

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Report Date:	April 20, 2018 - 08:24 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	OXY	**Vertical Section Azimuth:**	359.696 ° (Grid North)
Field:	NM Eddy County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Oxy Corral Canyon 36-25 Federal Com 25H / Oxy Corral Canyon 36-25 Federal Com 25H	**TVD Reference Datum:**	RKB=26.5'
Well:	Oxy Corral Canyon 36-25 Federal Com 25H	**TVD Reference Elevation:**	3162.100 ft above MSL
Borehole:	Original Borehole	**Seabed / Ground Elevation:**	3135.600 ft above MSL
UWI / API#:	Unknown / 30-015-44635	**Magnetic Declination:**	6.975 °
Survey Name:	Oxy Corral Canyon 36-25 Federal Com 25H Gyro+MWD 0-19,575'	**Total Gravity Field Strength:**	998.4489mgn (9.80665 Based)
Survey Date:	April 11, 2018	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	254.309 ° / 11346.147 ft / 6.768 / 1.233	**Total Magnetic Field Strength:**	48003.873 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.922 °
Location Lat / Long:	N 32° 9' 50.35494", W 103° 56' 0.55736"	**Declination Date:**	April 11, 2018
Location Grid N/E Y/X:	N 423623.540 ftUS, E 685084.060 ftUS	**Magnetic Declination Model:**	HDGM 2018
CRS Grid Convergence Angle:	0.2129 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99992582	**Grid Convergence Used:**	0.2129 °
Version / Patch:	2.10.715.0	**Total Corr Mag North->Grid North:**	6.7620 °
		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	423623.54	685084.06	N 32 9 50.35	W 103 56 0.56	
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	423623.54	685084.06	N 32 9 50.35	W 103 56 0.56	
	44.27	0.20	43.68	44.27	0.02	0.02	0.02	1.13	423623.56	685084.08	N 32 9 50.36	W 103 56 0.56	
	134.10	0.12	338.68	134.10	0.22	0.22	0.10	0.21	423623.78	685084.16	N 32 9 50.38	W 103 56 0.56	
	217.51	0.10	317.87	217.51	0.36	0.36	0.01	0.05	423623.90	685084.07	N 32 9 50.38	W 103 56 0.56	
	311.07	0.12	139.97	311.07	0.34	0.34	0.02	0.24	423623.88	685084.08	N 32 9 50.38	W 103 56 0.56	
	408.09	0.09	95.24	408.09	0.26	0.26	0.16	0.09	423623.80	685084.22	N 32 9 50.38	W 103 56 0.56	
	500.93	0.07	56.19	500.93	0.29	0.29	0.28	0.06	423623.83	685084.34	N 32 9 50.38	W 103 56 0.55	
	595.14	0.09	153.95	595.14	0.25	0.25	0.36	0.13	423623.79	685084.42	N 32 9 50.38	W 103 56 0.55	
Last Gyro	650.50	0.08	203.68	650.50	0.18	0.18	0.37	0.13	423623.72	685084.43	N 32 9 50.38	W 103 56 0.55	
	784.00	0.11	283.64	784.00	0.12	0.12	0.21	0.09	423623.66	685084.27	N 32 9 50.38	W 103 56 0.55	
	967.00	0.20	181.80	967.00	-0.14	-0.14	0.13	0.15	423623.40	685084.19	N 32 9 50.35	W 103 56 0.56	
	1058.00	0.20	203.71	1058.00	-0.43	-0.43	0.12	0.16	423623.11	685084.18	N 32 9 50.35	W 103 56 0.56	
	1145.00	0.16	304.32	1145.00	-0.50	-0.50	-0.04	0.31	423623.04	685084.02	N 32 9 50.35	W 103 56 0.56	
	1235.00	0.13	270.61	1235.00	-0.43	-0.43	-0.25	0.10	423623.11	685083.81	N 32 9 50.35	W 103 56 0.56	
	1324.00	0.17	258.69	1324.00	-0.45	-0.45	-0.48	0.06	423623.09	685083.58	N 32 9 50.35	W 103 56 0.56	
	1419.00	0.79	209.30	1418.99	-1.05	-1.05	-0.94	0.73	423622.49	685083.12	N 32 9 50.34	W 103 56 0.57	
	1514.00	0.16	153.22	1513.99	-1.74	-1.74	-1.20	0.75	423621.80	685082.86	N 32 9 50.34	W 103 56 0.57	
	1609.00	0.16	331.13	1608.99	-1.74	-1.74	-1.20	0.34	423621.80	685082.86	N 32 9 50.34	W 103 56 0.57	
	1704.00	0.08	353.71	1703.99	-1.56	-1.56	-1.28	0.10	423621.98	685082.78	N 32 9 50.34	W 103 56 0.57	
	1799.00	0.20	167.90	1798.99	-1.65	-1.66	-1.25	0.29	423621.88	685082.81	N 32 9 50.34	W 103 56 0.57	
	1893.00	0.16	170.88	1892.99	-1.94	-1.95	-1.19	0.04	423621.59	685082.87	N 32 9 50.34	W 103 56 0.57	
	2083.00	0.16	177.15	2082.99	-2.47	-2.48	-1.14	0.01	423621.06	685082.92	N 32 9 50.33	W 103 56 0.57	
	2178.00	0.16	326.98	2177.99	-2.49	-2.49	-1.20	0.33	423621.05	685082.86	N 32 9 50.33	W 103 56 0.57	
	2273.00	0.13	88.24	2272.99	-2.37	-2.38	-1.16	0.26	423621.16	685082.90	N 32 9 50.33	W 103 56 0.57	
	2368.00	0.13	308.49	2367.99	-2.30	-2.31	-1.14	0.26	423621.23	685082.92	N 32 9 50.33	W 103 56 0.57	
	2463.00	0.13	299.38	2462.99	-2.18	-2.19	-1.31	0.02	423621.35	685082.75	N 32 9 50.33	W 103 56 0.57	
	2558.00	0.08	219.99	2557.99	-2.18	-2.19	-1.45	0.15	423621.36	685082.61	N 32 9 50.33	W 103 56 0.57	
	2653.00	0.11	10.28	2652.99	-2.14	-2.15	-1.48	0.19	423621.39	685082.58	N 32 9 50.33	W 103 56 0.57	
	2748.00	0.11	345.67	2747.99	-1.98	-1.97	-1.46	0.05	423621.57	685082.58	N 32 9 50.34	W 103 56 0.57	
	2843.00	0.18	91.04	2842.99	-1.87	-1.88	-1.37	0.23	423621.66	685082.69	N 32 9 50.34	W 103 56 0.57	
	2938.00	0.13	147.42	2937.99	-1.97	-1.98	-1.18	0.15	423621.56	685082.88	N 32 9 50.34	W 103 56 0.57	
	3128.00	0.20	149.30	3127.99	-2.44	-2.44	-0.90	0.04	423621.10	685083.16	N 32 9 50.33	W 103 56 0.57	
	3223.00	0.13	287.71	3222.99	-2.55	-2.55	-0.82	0.33	423620.99	685083.14	N 32 9 50.33	W 103 56 0.57	
	3413.00	0.13	146.56	3412.99	-2.68	-2.67	-1.00	0.13	423620.87	685083.06	N 32 9 50.33	W 103 56 0.57	
	3508.00	0.13	111.53	3507.99	-2.79	-2.80	-0.84	0.08	423620.74	685083.22	N 32 9 50.33	W 103 56 0.57	
	3697.00	0.13	58.15	3696.99	-2.78	-2.78	-0.46	0.06	423620.78	685083.60	N 32 9 50.33	W 103 56 0.56	
	3792.00	0.13	190.74	3791.99	-2.81	-2.81	-0.39	0.25	423620.73	685083.67	N 32 9 50.33	W 103 56 0.56	
	3887.00	0.13	152.74	3886.98	-3.01	-3.01	-0.36	0.09	423620.53	685083.70	N 32 9 50.33	W 103 56 0.56	
	3981.00	0.13	224.45	3980.98	-3.18	-3.18	-0.39	0.16	423620.36	685083.67	N 32 9 50.32	W 103 56 0.56	
	4076.00	0.18	234.78	4075.98	-3.33	-3.34	-0.57	0.04	423620.20	685083.49	N 32 9 50.32	W 103 56 0.56	
	4171.00	0.13	116.48	4170.98	-3.48	-3.48	-0.58	0.26	423620.06	685083.48	N 32 9 50.32	W 103 56 0.56	
	4266.00	0.13	134.40	4265.98	-3.58	-3.58	-0.41	0.04	423619.96	685083.65	N 32 9 50.32	W 103 56 0.56	
	4361.00	0.18	269.85	4360.98	-3.66	-3.66	-0.46	0.28	423619.88	685083.60	N 32 9 50.32	W 103 56 0.56	
	4551.00	0.13	298.63	4550.98	-3.55	-3.56	-0.92	0.04	423619.98	685083.14	N 32 9 50.32	W 103 56 0.57	
	4740.00	0.08	272.43	4739.98	-3.44	-3.45	-1.21	0.04	423620.09	685082.85	N 32 9 50.32	W 103 56 0.57	
	4835.00	1.88	11.41	4834.97	-1.82	-1.92	-0.95	1.99	423621.62	685083.11	N 32 9 50.34	W 103 56 0.57	
	4931.00	3.82	11.77	4930.84	2.75	2.75	0.02	2.02	423626.29	685084.08	N 32 9 50.38	W 103 56 0.56	
	5026.00	5.82	12.12	5025.50	10.55	10.56	1.67	2.11	423634.10	685085.73	N 32 9 50.46	W 103 56 0.54	
	5121.00	7.95	10.74	5119.81	21.71	21.73	3.91	2.25	423645.27	685087.97	N 32 9 50.57	W 103 56 0.51	
	5216.00	10.16	9.89	5213.62	36.40	36.44	6.57	2.33	423659.98	685070.63	N 32 9 50.72	W 103 56 0.48	
	5311.00	12.10	6.29	5306.83	54.54	54.59	9.10	2.17	423678.13	685073.16	N 32 9 50.89	W 103 56 0.45	
	5406.00	13.38	3.43	5399.50	75.39	75.45	10.85	1.48	423698.98	685074.91	N 32 9 51.10	W 103 56 0.43	
	5596.00	12.15	357.46	5584.81	117.27	117.34	11.28	0.94	423740.87	685075.34	N 32 9 51.52	W 103 56 0.42	
	5786.00	11.66	353.19	5770.73	156.38	156.38	8.12	0.53	423779.90	685072.17	N 32 9 51.90	W 103 56 0.46	
	5975.00	11.14	347.42	5956.00	193.15	193.16	1.87	0.66	423816.69	685065.93	N 32 9 52.27	W 103 56 0.53	
	6165.00	12.01	346.73	6142.14	230.35	230.32	-6.66	0.46	423853.84	685057.40	N 32 9 52.63	W 103 56 0.62	
	6260.00	11.52	350.56	6235.14	249.35	249.29	-10.49	0.97	423872.82	685053.57	N 32 9 52.82	W 103 56 0.67	
	6450.00	11.62	348.64	6421.28	286.86	286.77	-17.37	0.21	423910.29	685046.69	N 32 9 53.19	W 103 56 0.75	
	6545.00	11.80	348.70	6514.31	305.78	305.68	-21.15	0.19	423929.19	685042.91	N 32 9 53.38	W 103 56 0.79	
	6640.00	11.56	350.24	6607.34	324.71	324.58	-24.67	0.41	423948.10	685039.39	N 32 9 53.57	W 103 56 0.83	
	6735.00	11.60	351.70	6700.41	343.56	343.41	-27.68	0.31	423966.93	685038.40	N 32 9 53.75	W 103 56 0.86	
	6829.00	11.56	352.27	6792.49	362.27	362.11	-30.30	0.12	423985.63	685033.76	N 32 9 53.94	W 103 56 0.89	
	6924.00	11.87	352.80	6885.51	381.43	381.28	-32.80	0.33	424004.77	685031.26	N 32 9 54.13	W 103 56 0.92	
	7020.00	11.56	356.09	6979.51	400.83	400.65	-34.70	0.77	424024.16	685029.36	N 32 9 54.32	W 103 56 0.94	
	7169.00	11.25	357.44	7125.97	430.25	430.06	-36.37	0.27	424053.57	685027.70	N 32 9 54.61	W 103 56 0.96	
	7263.00	10.35	353.08	7217.90	447.80	447.61	-37.79	1.29	424071.11	685026.27	N 32 9 54.79	W 103 56 0.98	
	7358.00	10.85	349.35	7311.28	465.07	464.87	-40.47	0.89	424088.37	685023.59	N 32 9 54.96	W 103 56 1.01	
	7453.00	10.69	344.37	7404.61	482.37	482.14	-44.50	0.99	424105.64	685019.56	N 32 9 55.13	W 103 56 1.05	
	7642.00	10.99	339.84	7590.24	518.20	515.91	-55.49	0.50	424139.41	685008.57	N 32 9 55.46	W 103 56 1.18	
	7832.00	10.42	341.83	7776.94	549.54	549.20	-67.21	0.38	424172.69	684998.86	N 32 9 55.79	W 103 56 1.32	
	8022.00	11.03	343.78	7963.62	583.38	582.95	-77.70	0.38	424206.45	684988.36	N 32 9 56.13	W 103 56 1.44	
	8211.00	11.31	351.72	8149.05	619.10	618.65	-85.43	0.83	424242.15	684978.64	N 32 9 56.48	W 103 56 1.52	
	8306.00	10.81	354.28	8242.28	637.19	636.74	-87.66	0.74	424260.23	684976.41	N 32 9 56.66	W 103 56 1.55	
	8402.00	10.62	359.42	8336.61	655.00	654.54	-88.65	1.01	424278.03	684975.42	N 32 9 56.83	W 103 56 1.56	
	8496.00	11.17	4.26	8428.92	672.74	672.28	-88.06	1.14	424295.77	684976.01	N 32 9 57.01	W 103 56 1.55	
	8530.00	10.93	8.27	8462.29	679.23	678.77	-87.46	1.33	424302.26	684976.61	N 32 9 57.07	W 103 56 1.55	
	8688.00	11.17	13.99	8617.37	708.96	708.54	-82.23	0.90	424332.02	684981.84	N 32 9 57.37	W 103 56 1.48	

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 ° ' ")	
	8746.00	10.54	10.68	8674.33	719.83	719.21	-79.93	1.44	424342.70	664984.14	N 32 9 57.47	W 103 56	1.46
	8841.00	18.81	18.79	8768.16	742.67	742.29	-73.37	8.65	424365.77	664990.70	N 32 9 57.70	W 103 56	1.38
	8936.00	31.56	14.15	8851.96	781.38	781.06	-62.31	13.67	424404.54	665001.75	N 32 9 58.09	W 103 56	1.25
	9031.00	39.93	359.86	8929.13	838.14	835.85	-56.29	12.40	424459.33	665007.78	N 32 9 58.63	W 103 56	1.18
	9126.00	49.04	1.65	8998.84	902.62	902.33	-55.33	9.68	424525.81	665008.74	N 32 9 59.29	W 103 56	1.18
	9221.00	62.87	1.48	9049.89	981.10	980.83	-53.21	14.56	424604.30	665010.86	N 32 10 0.06	W 103 56	1.13
	9316.00	70.49	3.50	9087.48	1068.16	1067.92	-49.39	8.26	424691.38	665014.67	N 32 10 0.92	W 103 56	1.09
	9411.00	70.19	3.68	9119.44	1157.42	1157.20	-43.79	0.36	424780.66	665020.27	N 32 10 1.81	W 103 56	1.02
	9506.00	79.86	3.58	9144.12	1248.83	1248.65	-37.99	9.97	424872.09	665026.07	N 32 10 2.71	W 103 56	0.95
	9601.00	87.90	6.19	9154.40	1342.79	1342.65	-29.94	9.09	424966.09	665034.12	N 32 10 3.64	W 103 56	0.85
	9644.00	87.45	5.89	9156.15	1385.49	1385.38	-25.42	1.26	425008.81	665038.64	N 32 10 4.06	W 103 56	0.79
	9739.00	87.97	5.97	9159.94	1479.86	1479.79	-15.61	0.55	425103.22	665048.45	N 32 10 5.00	W 103 56	0.68
	9833.00	91.55	4.58	9160.34	1573.38	1573.38	-8.97	4.09	425196.80	665057.09	N 32 10 5.92	W 103 56	0.57
	9926.00	93.10	1.95	9156.58	1666.13	1666.14	-1.68	3.28	425289.55	665062.38	N 32 10 6.84	W 103 56	0.50
	10019.00	92.54	0.36	9151.99	1758.98	1759.00	0.19	1.81	425382.41	665064.25	N 32 10 7.76	W 103 56	0.48
	10113.00	91.72	358.51	9148.49	1852.91	1852.93	-0.73	2.15	425476.33	665063.33	N 32 10 8.69	W 103 56	0.49
	10208.00	90.00	356.66	9147.10	1945.83	1945.83	-4.83	2.70	425569.22	665059.43	N 32 10 9.61	W 103 56	0.53
	10393.00	90.00	357.83	9147.10	2132.65	2132.61	-13.59	0.61	425755.99	665050.47	N 32 10 11.48	W 103 56	0.62
	10486.00	89.79	1.07	9147.27	2225.64	2225.60	-14.48	3.49	425848.97	665049.58	N 32 10 12.38	W 103 56	0.63
	10579.00	89.97	4.40	9147.46	2318.50	2318.48	-10.05	3.59	425941.84	665054.01	N 32 10 13.30	W 103 56	0.57
	10766.00	89.72	2.88	9147.87	2505.05	2505.10	1.79	0.83	426128.45	665065.85	N 32 10 15.14	W 103 56	0.43
	10859.00	88.76	1.31	9149.20	2597.96	2598.02	5.18	1.96	426221.37	665069.24	N 32 10 16.06	W 103 56	0.38
	10954.00	88.66	1.83	9151.34	2692.89	2692.97	7.61	0.35	426316.30	665071.67	N 32 10 17.00	W 103 56	0.35
	11049.00	88.52	358.77	9153.68	2787.84	2787.93	8.77	1.96	426411.26	665072.83	N 32 10 17.94	W 103 56	0.33
	11144.00	88.88	359.22	9158.02	2882.81	2882.89	7.94	0.60	426506.22	665072.00	N 32 10 18.88	W 103 56	0.34
	11239.00	88.88	359.68	9158.24	2977.78	2977.88	7.02	0.48	426601.18	665071.08	N 32 10 19.82	W 103 56	0.35
	11334.00	88.90	359.38	9160.28	3072.76	3072.84	6.23	0.42	426696.15	665070.29	N 32 10 20.76	W 103 56	0.35
	11429.00	89.55	0.45	9161.65	3167.75	3167.83	6.07	1.34	426791.13	665070.13	N 32 10 21.70	W 103 56	0.35
	11523.00	88.76	0.06	9162.93	3261.73	3261.81	6.49	0.84	426885.11	665070.55	N 32 10 22.63	W 103 56	0.34
	11618.00	88.97	0.02	9164.61	3356.71	3356.80	6.56	0.23	426980.08	665070.62	N 32 10 23.57	W 103 56	0.34
	11713.00	88.59	358.25	9166.84	3451.69	3451.77	5.95	0.90	427075.05	665070.01	N 32 10 24.51	W 103 56	0.34
	11808.00	88.69	358.81	9169.09	3546.66	3546.73	4.34	0.47	427170.00	665068.40	N 32 10 25.45	W 103 56	0.35
	11903.00	88.87	358.79	9171.11	3641.62	3641.69	2.35	0.19	427264.95	665066.41	N 32 10 26.39	W 103 56	0.37
	11998.00	88.78	357.79	9173.08	3736.57	3736.62	-0.48	1.08	427359.88	665063.58	N 32 10 27.33	W 103 56	0.40
	12093.00	88.83	357.23	9175.08	3831.48	3831.51	-4.61	0.59	427454.78	665059.45	N 32 10 28.27	W 103 56	0.45
	12189.00	89.59	358.31	9176.40	3927.42	3927.43	-8.34	1.38	427550.67	665055.72	N 32 10 29.22	W 103 56	0.48
	12283.00	89.31	357.91	9177.30	4021.38	4021.37	-11.44	0.52	427644.61	665052.62	N 32 10 30.15	W 103 56	0.52
	12378.00	88.38	357.78	9179.24	4117.31	4117.29	-15.05	0.98	427740.52	665049.01	N 32 10 31.10	W 103 56	0.55
	12474.00	89.31	358.10	9181.15	4212.24	4212.20	-18.46	1.04	427835.43	665045.60	N 32 10 32.04	W 103 56	0.59
	12568.00	88.73	358.07	9182.78	4306.19	4306.14	-21.81	0.62	427929.35	665042.46	N 32 10 32.97	W 103 56	0.62
	12663.00	88.62	359.40	9184.98	4401.15	4401.09	-23.70	1.40	428024.29	665040.36	N 32 10 33.91	W 103 56	0.64
	12758.00	88.90	359.98	9187.01	4496.13	4496.08	-24.23	0.66	428119.26	665039.83	N 32 10 34.85	W 103 56	0.64
	12853.00	89.86	358.73	9188.04	4591.12	4591.05	-25.32	1.64	428214.24	665038.74	N 32 10 35.79	W 103 56	0.65
	12948.00	89.69	358.71	9188.41	4686.10	4686.02	-27.44	0.18	428309.21	665036.62	N 32 10 36.72	W 103 56	0.67
	13043.00	89.24	358.55	9189.30	4781.08	4780.99	-29.71	0.50	428404.17	665034.35	N 32 10 37.66	W 103 56	0.70
	13139.00	89.90	359.19	9190.02	4877.07	4876.97	-31.61	0.96	428500.14	665032.46	N 32 10 38.61	W 103 56	0.71
	13233.00	89.45	359.34	9190.56	4971.06	4970.96	-32.61	0.50	428594.12	665031.25	N 32 10 39.54	W 103 56	0.72
	13424.00	89.72	357.75	9191.94	5162.01	5161.89	-37.68	0.84	428785.04	665026.40	N 32 10 41.43	W 103 56	0.77
	13519.00	89.69	357.10	9192.43	5256.94	5256.79	-41.93	0.68	428879.93	665022.13	N 32 10 42.37	W 103 56	0.82
	13614.00	90.79	357.52	9192.03	5351.85	5351.68	-46.39	1.24	428974.82	665017.68	N 32 10 43.31	W 103 56	0.87
	13709.00	89.35	359.20	9191.91	5446.82	5446.64	-49.11	2.33	429069.77	665014.96	N 32 10 44.25	W 103 56	0.89
	13804.00	90.00	2.13	9192.45	5541.79	5541.62	-48.00	3.16	429164.74	665016.06	N 32 10 45.19	W 103 56	0.88
	13899.00	89.35	3.99	9193.53	5731.45	5731.33	-37.86	1.04	429354.44	665026.20	N 32 10 47.07	W 103 56	0.75
	14184.00	90.65	5.64	9193.53	5920.69	5920.65	-21.91	1.11	429643.75	665042.15	N 32 10 48.94	W 103 56	0.56
	14374.00	89.42	5.72	9193.41	6109.85	6109.72	-3.11	0.65	429732.80	665060.95	N 32 10 50.81	W 103 56	0.33
	14469.00	89.97	4.81	9193.92	6204.20	6204.31	5.61	1.12	429827.39	665069.67	N 32 10 51.75	W 103 56	0.22
	14564.00	89.48	2.75	9194.38	6299.05	6299.10	11.87	2.23	429922.17	665075.93	N 32 10 52.69	W 103 56	0.15
	14659.00	91.93	1.36	9193.21	6393.85	6394.02	15.28	2.96	430017.08	665079.34	N 32 10 53.62	W 103 56	0.10
	14754.00	92.37	359.21	9189.84	6488.77	6488.95	15.75	2.31	430112.00	665079.81	N 32 10 54.56	W 103 56	0.09
	14849.00	91.88	356.84	9186.11	6583.68	6583.82	12.48	2.54	430206.86	665076.54	N 32 10 55.50	W 103 56	0.13
	14944.00	89.31	354.68	9185.12	6678.42	6678.54	5.45	3.54	430301.58	665069.51	N 32 10 56.44	W 103 56	0.21
	15039.00	89.52	355.12	9186.09	6773.08	6773.16	-2.99	0.51	430396.19	665061.07	N 32 10 57.38	W 103 56	0.30
	15229.00	89.21	355.51	9188.19	6962.51	6962.51	-18.51	0.26	430585.53	665045.55	N 32 10 59.25	W 103 56	0.47
	15324.00	89.55	357.80	9189.22	7057.37	7057.34	-24.05	2.44	430680.35	665040.01	N 32 11 0.19	W 103 56	0.53
	15419.00	88.87	356.08	9190.53	7152.31	7152.27	-27.46	0.77	430775.27	665036.60	N 32 11 1.13	W 103 56	0.57
	15514.00	89.55	356.53	9191.84	7247.27	7247.22	-30.27	0.86	430870.21	665033.79	N 32 11 2.07	W 103 56	0.60
	15608.00	88.73	359.16	9193.25	7341.25	7341.18	-32.17	1.10	430964.17	665031.89	N 32 11 3.00	W 103 56	0.61
	15704.00	90.17	0.34	9194.17	7437.24	7437.18	-32.59	1.94	431060.15	665031.47	N 32 11 3.95	W 103 56	0.61
	15798.00	89.24	0.39	9194.68	7532.23	7532.17	-31.98	0.98	431155.14	665032.08	N 32 11 4.89	W 103 56	0.60
	15988.00	89.79	0.10	9196.26	7721.22	7721.16	-31.17	0.33	431344.12	665032.89	N 32 11 6.76	W 103 56	0.59
	16084.00	89.66	0.60	9196.72	7817.21	7817.16	-30.59	0.54	431440.11	665033.47	N 32 11 7.71	W 103 56	0.58
	16179.00	90.14	0.51	9196.89	7912.20	7912.15	-29.87	0.51	431535.10	665034.19	N 32 11 8.65	W 103 56	0.56
	16273.00	89.86	2.03	9196.89	8006.18	8006.13	-27.58	1.64	431629.06	665036.48	N 32 11 9.58	W 103 56	0.53
	16368.00	90.07	3.62	9196.95	8101.02	8101.01	-22.90	1.69	431723.94	665041.16	N 32 11 10.52	W 103 56	0.47
	16463.00	89.86	3.49	9197.00	8195.80	8195.83	-17.01	0.26	431818.75	665047.05	N 32 11 11.45	W 103 56	0.40
	16558.00	89.79	2.27	9197.29	8290.65	8290.70	-12.24	1.29	431913.62	665051.82	N 32 11 12.39	W 103 56	0.34
	16653.00	89.38	1.12	9197.98	8385.59	8385.66	-9.43	1.29	432008.57	665054.63	N 32 11 13.33	W 103 56	0.30
	16748.00	89.69	359.91	9198.75	8480.56	8480.65	-8.57	1.31	432103.56	665055.49	N 32 11 14.27	W 103 56	0.29
	16843.00	89.14	359.25	9199.72	8575.57	8575.64	-9.27	0.90	432198.53	665054.79	N 32 11 15.21	W 103 56	0.29
	16938.00	90.10	359.12	9200.35	8670.56	8670.63	-10.62	1.02	432293.51	665053.44	N 32 11 16.15	W 103 56	0.31
	17033.00	89.07	357.67	9201.04	8765.53	8765.58	-13.28	1.87	432388.46	665050.78	N 32 11 17.09	W 103 56	0.33
	17128.00	89.11	355.14	9202.55	8860.38	8860.38	-19.24	2.68	432483.25	665044.82	N 32 11 18.03	W 103 56	0.40
	17223.00	90.34	355.83	9203.01	8955.10	8955.08	-26.72	1.48	432577.94	665037.35	N 32 11 18.97	W 103 56	0.48
	17318.00	89.62	355.69	9203.04	9049.87	9049.82	-33.74	0.77	432672.68	665030.32	N 32 11 19.91	W 103 56	0.56
	17413.00	91.37	357.80	9202.22	9144.73	9144.65	-38.13	2.89	432767.50	665024.93	N 32 11 20.84	W 103 56	0.62
	17508.00	89.90	359.72	9201.17	9239.71	9239.62	-41.19	2.55	432862.46	665022.87	N 32 11 21.78	W 103 56	0.64
	17603.00	90.89	0.80	9200.51	9334.70	9334.61	-40.76	1.54	432957.45	665023.30	N 32 11 22.72	W 103 56	0.63
	17698.00	91.55	3.38	9198.49	9429.58	9429.52	-37.30	2.80	433052.35	665026.77	N 32 11 23.66	W 103 56	0.58
	17793.00	89.55	3.09	9197.58	9524.39	9524.36	-31.93	2.13	433147.18	665032.13	N 32 11 24.60	W 103 56	0.52
	17888.00	89.52	2.70	9198.35	9619.24	9619.23	-27.14	0.41	433242.05	665036.93	N 32 11 25.54	W 103 56	0.46
	17983.00	89.79	1.02	9198.92	9714.17	9714.18	-24.05	1.79	433336.99	665040.01	N 32 11 26.48	W 103 56	0.42
	18077.00	90.10	358.31	9199.01	9808.16	9808.17	-24.60	2.60	433430.97	665039.46	N 32 11 27.41	W 103 56	0.42
	18172.00	89.52	358.10	9199.33	9903.06	9903.05	-29.24	2.41	433525.84	665034.83	N 32 11 28.35	W 103 56	0.47
	18267.00	89.93	356.96	9199.78	9997.92	9997.87	-34.99	1.00	433620.66	665029.08	N 32 11 29.29	W 103 56	0.53
	18362.00	89.59	356.73	9200.15	10092.80	10092.73	-40.21	0.43	433715.51	665023.85	N 32 11 30.23	W 103 56	0.58
	18457.00	90.45	356.69	9200.15	10187.67	10187.57	-45.87	0.91	433810.34	665018.40	N 32 11 31.18	W 103 56	0.65
	18552.00	90.79	356.15	9199.12	10282.58	10282.48	-49.84	1.58	433905.23	665014.12	N 32 11 32.10	W 103 56	0.69
	18647.00	90.48	356.76	9198.06	10377.56	10377.42	-52.50	0.72	434000.16	665011.56	N 32 11 33.04	W 103 56	0.72
	18742.00	89.93	358.75	9197.73	10472.54	10472.40	-54.57	0.58	434095.15	665009.50	N 32 11 33.98	W 103 56	0.74
	18932.00	89.55	358.49	9198.59	10662.51	10662.34	-59.14	0.24	434285.08	665004.92	N 32 11 35.86	W 103 56	0.78
	19122.00	90.07	0.39	9199.22	10852.49	10852.32	-61.00	1.04	434475.05	665003.07	N 32 11 37.74	W 103 56	0.80
	19217.00	90.93	2.19	9198.39	10947.45	10947.29	-58.88	2.10	434570.01	665005.20	N 32 11 38.68	W 103 56	0.77
	19312.00	90.07	3.26	9197.56	11042.31	11042.18	-54.34	1.44	434664.89	665009.72	N 32 11 39.62	W 103 56	0.71
	19407.00	90.03	2.63	9197.48	11137.16	11137.05	-49.46	0.66	434759.75	665014.60	N 32 11 40.56	W 103 56	0.65
Final MWD Survey	19531.00	90.24	0.86	9197.18	11261.07	11260.99	-45.69	1.44	434883.68	665018.38	N 32 11 41.79	W 103 56	0.60
Proj. to Bit	19575.00	90.24	0.86	9197.00	11305.06	11304.98	-45.03	0.00	434927.67	665019.04	N 32 11 42.22	W 103 56	0.59

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 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 Canyon 36-25 Federal Com 25H Gyro+MWD 0-19,575'
	1	26.500	26.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 25H Gyro+MWD 0-19,575'
	1	26.500	650.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 25H
	1	650.500	19575.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 25H

Schlumberger OXY

Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Corral Canyon 38-25 Federal Com 25H	NM Eddy County (NAD 83)	Oxy Corral Canyon 38-25 Federal Com 25H

Gravity & Magnetic Parameters | Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet | Miscellaneous

Grid / True / Mag

Grid North
Tot Corr (M->G 6.762°)
Mag Dec (6.975°)
Grid Conv (0.213°)