

Schlumberger

Oxy Corral Canyon 36-25 Federal Com 24H Gyro+MWD 0-19,803' Survey Geodetic Report

(Def Survey)

30-015 - 44634



Report Date: April 27, 2018 - 10:53 AM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Corral Canyon 36-25 Federal Com 24H / Oxy Corral Canyon 36-25 Federal Com 24H
Well: Oxy Corral Canyon 36-25 Federal Com 24H
Borehole: Original Borehole
UWI / API#: Unknown / 30-015-44634
Survey Name: Oxy Corral Canyon 36-25 Federal Com 24H Gyro+MWD 0-19,803'
Survey Date: April 20, 2018
Test / AHD / DOI / ERD Ratio: 258.647' / 11737.900 ft / 8.814' / 1.282
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 9' 50.35385" W 103° 56' 0.98455"
Location Grid N/E Y/X: N 423823 300 RUS E 665029.060 RUS
CRS Grid Convergence Angle: 0.2128°
Grid Scale Factor: 0.99992861
Version / Patch: 2 10.720.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 355.435° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB-26.5'
TVD Reference Elevation: 3162.400 ft above MSL
Seabed / Ground Elevation: 3135.900 ft above MSL
Magnetic Declination: 6.973°
Total Gravity Field Strength: 988.4488 mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48001.012 nT
Magnetic Dip Angle: 59.921°
Declination Date: April 20, 2018
Magnetic Declination Model: HDGM 2018
North Reference: Grid North
Grid Convergence Used: 0.2128°
Total Cor Mag North-Grid North: 6.7589°
Local Coord Referenced To: Well Head

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 01 2018

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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 ° ' ")
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	423823.30	665028.08	N 32° 50' 35" W 103° 56' 0.98	0.98
SHL	28.50	0.00	0.00	28.50	0.00	0.00	0.00	0.00	423823.30	665028.06	N 32° 50' 35" W 103° 56' 0.98	0.98
	102.38	0.19	265.62	102.38	0.00	-0.01	-0.13	0.25	423823.29	665028.93	N 32° 50' 35" W 103° 56' 0.97	0.97
	189.07	0.19	284.51	189.07	0.05	0.02	-0.41	0.07	423823.32	665028.65	N 32° 50' 35" W 103° 56' 0.97	0.97
Last Gyro	278.37	0.38	278.22	278.37	0.16	0.09	-0.84	0.22	423823.39	665028.22	N 32° 50' 35" W 103° 56' 0.97	0.97
	372.53	0.70	271.48	372.52	0.29	0.15	-1.73	0.35	423823.45	665027.33	N 32° 50' 36" W 103° 56' 0.98	0.98
	467.58	0.85	288.25	467.57	0.54	0.32	-2.83	0.19	423823.82	665026.23	N 32° 50' 36" W 103° 56' 1.00	1.00
	562.98	0.66	303.22	562.94	1.07	0.77	-3.81	0.20	423824.07	665025.25	N 32° 50' 36" W 103° 56' 1.01	1.01
	652.68	0.85	330.64	652.65	2.06	1.70	-4.80	0.53	423825.00	665024.48	N 32° 50' 37" W 103° 56' 1.02	1.02
	716.00	0.94	334.81	715.98	3.03	2.63	-5.08	0.11	423825.93	665023.98	N 32° 50' 38" W 103° 56' 1.02	1.02
	808.00	0.11	5.13	807.96	3.82	3.40	-5.39	0.92	423826.70	665023.67	N 32° 50' 39" W 103° 56' 1.03	1.03
	899.00	0.34	109.31	898.96	3.80	3.40	-5.13	0.42	423826.70	665023.93	N 32° 50' 39" W 103° 56' 1.02	1.02
	1077.00	0.06	168.30	1076.96	3.49	3.13	-4.61	0.18	423826.43	665024.45	N 32° 50' 39" W 103° 56' 1.02	1.02
	1167.00	0.13	295.50	1166.96	3.50	3.13	-4.70	0.19	423826.43	665024.38	N 32° 50' 39" W 103° 56' 1.02	1.02
	1256.00	0.16	126.33	1255.96	3.46	3.10	-4.69	0.32	423826.40	665024.37	N 32° 50' 39" W 103° 56' 1.02	1.02
	1351.00	0.11	129.48	1350.96	3.31	2.98	-4.51	0.05	423826.26	665024.55	N 32° 50' 39" W 103° 56' 1.02	1.02
	1446.00	0.06	295.08	1445.96	3.28	2.93	-4.49	0.18	423826.23	665024.58	N 32° 50' 39" W 103° 56' 1.02	1.02
	1541.00	0.08	158.04	1540.96	3.24	2.89	-4.50	0.14	423826.19	665024.56	N 32° 50' 39" W 103° 56' 1.02	1.02
	1636.00	0.06	221.13	1635.96	3.14	2.79	-4.51	0.08	423826.09	665024.56	N 32° 50' 39" W 103° 56' 1.02	1.02
	1826.00	0.06	279.09	1825.96	3.09	2.73	-4.87	0.03	423826.03	665024.39	N 32° 50' 39" W 103° 56' 1.02	1.02
	1821.00	0.00	343.42	1820.96	3.11	2.74	-4.72	0.06	423826.04	665024.34	N 32° 50' 39" W 103° 56' 1.02	1.02
	2015.00	0.08	88.71	2014.96	3.10	2.74	-4.68	0.09	423826.04	665024.40	N 32° 50' 39" W 103° 56' 1.02	1.02
	2110.00	0.06	10.72	2109.96	3.15	2.80	-4.58	0.09	423826.10	665024.48	N 32° 50' 39" W 103° 56' 1.02	1.02
	2205.00	0.00	158.26	2204.96	3.20	2.84	-4.57	0.06	423826.14	665024.49	N 32° 50' 39" W 103° 56' 1.02	1.02
	2300.00	0.06	33.13	2299.96	3.24	2.89	-4.54	0.06	423826.19	665024.52	N 32° 50' 39" W 103° 56' 1.02	1.02
	2396.00	0.08	212.33	2395.96	3.22	2.87	-4.55	0.15	423826.17	665024.51	N 32° 50' 39" W 103° 56' 1.02	1.02
	2491.00	0.08	355.75	2490.96	3.24	2.88	-4.59	0.16	423826.18	665024.47	N 32° 50' 39" W 103° 56' 1.02	1.02
	2585.00	0.17	70.30	2584.96	3.34	2.99	-4.47	0.18	423826.29	665024.59	N 32° 50' 39" W 103° 56' 1.02	1.02
	2680.00	0.20	65.33	2678.96	3.43	3.11	-4.18	0.04	423826.41	665024.88	N 32° 50' 39" W 103° 56' 1.01	1.01
	2775.00	0.06	34.23	2774.96	3.53	3.22	-4.00	0.16	423826.52	665025.06	N 32° 50' 39" W 103° 56' 1.01	1.01
	2870.00	0.13	64.40	2868.96	3.61	3.31	-3.88	0.09	423826.61	665025.18	N 32° 50' 39" W 103° 56' 1.01	1.01
	2965.00	0.08	93.74	2964.96	3.64	3.35	-3.72	0.08	423826.65	665025.34	N 32° 50' 39" W 103° 56' 1.01	1.01
	3060.00	0.13	68.77	3059.96	3.62	3.35	-3.54	0.05	423826.65	665025.52	N 32° 50' 39" W 103° 56' 1.01	1.01
	3250.00	0.06	140.79	3249.96	3.53	3.28	-3.26	0.05	423826.58	665025.80	N 32° 50' 39" W 103° 56' 1.00	1.00
3345.00	0.08	294.77	3344.96	3.52	3.27	-3.29	0.14	423826.57	665025.77	N 32° 50' 39" W 103° 56' 1.00	1.00	
3440.00	0.08	206.50	3439.96	3.49	3.23	-3.38	0.12	423826.53	665025.68	N 32° 50' 39" W 103° 56' 1.00	1.00	
3535.00	0.00	211.46	3534.96	3.44	3.17	-3.41	0.08	423826.47	665025.65	N 32° 50' 39" W 103° 56' 1.00	1.00	
3629.00	0.11	254.44	3628.96	3.42	3.15	-3.50	0.12	423826.45	665025.56	N 32° 50' 39" W 103° 56' 1.01	1.01	
3724.00	0.13	110.23	3723.96	3.36	3.08	-3.49	0.24	423826.38	665025.67	N 32° 50' 39" W 103° 56' 1.00	1.00	
3819.00	0.13	40.80	3818.96	3.39	3.13	-3.31	0.16	423826.43	665025.75	N 32° 50' 39" W 103° 56' 1.00	1.00	
3914.00	0.18	289.97	3913.96	3.52	3.27	-3.38	0.27	423826.57	665025.68	N 32° 50' 39" W 103° 56' 1.00	1.00	
4009.00	0.08	249.58	4008.96	3.57	3.29	-3.69	0.14	423826.59	665025.47	N 32° 50' 39" W 103° 56' 1.01	1.01	
4109.00	1.87	330.28	4108.92	6.34	5.94	-5.25	0.88	423829.24	665023.81	N 32° 50' 41" W 103° 56' 1.03	1.03	
4293.00	2.89	330.37	4292.84	9.87	9.33	-7.18	1.09	423832.63	665021.88	N 32° 50' 45" W 103° 56' 1.05	1.05	
4483.00	5.29	333.46	4482.34	22.34	21.33	-13.46	1.27	423844.63	665015.60	N 32° 50' 57" W 103° 56' 1.12	1.12	
4578.00	8.85	333.07	4578.80	31.84	30.30	-17.99	1.64	423853.60	665011.07	N 32° 50' 56" W 103° 56' 1.17	1.17	
4673.00	8.48	332.35	4670.96	43.30	41.54	-23.80	1.70	423864.84	665005.27	N 32° 50' 57" W 103° 56' 1.24	1.24	
4768.00	9.41	330.62	4764.80	56.78	54.50	-30.85	1.04	423877.80	664998.21	N 32° 50' 58" W 103° 56' 1.32	1.32	
4863.00	9.95	328.51	4858.45	71.15	68.27	-38.95	0.68	423891.56	664990.12	N 32° 51' 03" W 103° 56' 1.41	1.41	
4958.00	10.71	327.30	4951.91	86.25	82.69	-48.00	0.83	423705.99	664981.06	N 32° 51' 17" W 103° 56' 1.52	1.52	
5053.00	11.99	328.41	5045.05	102.67	98.34	-58.23	1.36	423721.64	664970.83	N 32° 51' 33" W 103° 56' 1.64	1.64	
5148.00	12.53	324.27	5137.88	120.11	114.93	-69.71	0.74	423738.22	664959.36	N 32° 51' 49" W 103° 56' 1.77	1.77	
5305.00	13.61	320.84	5290.82	149.89	143.08	-91.32	0.85	423768.37	664937.75	N 32° 51' 77" W 103° 56' 2.02	2.02	
5400.00	14.99	318.95	5382.87	168.97	161.01	-106.45	1.53	423784.30	664922.82	N 32° 51' 55" W 103° 56' 2.20	2.20	
5495.00	16.08	316.25	5474.40	189.05	179.78	-123.61	1.38	423803.07	664905.48	N 32° 52' 14" W 103° 56' 2.39	2.39	
5590.00	18.50	314.18	5565.59	209.39	198.69	-142.39	0.75	423821.97	664888.68	N 32° 52' 33" W 103° 56' 2.61	2.61	
5780.00	15.66	308.48	5748.18	247.18	233.45	-161.81	0.94	423856.73	664847.26	N 32° 52' 67" W 103° 56' 3.07	3.07	
5969.00	15.68	303.10	5930.15	280.20	263.27	-223.18	0.77	423888.55	664805.90	N 32° 52' 97" W 103° 56' 3.55	3.55	
6064.00	14.18	301.81	6021.94	294.93	278.41	-243.81	1.64	423899.69	664785.27	N 32° 53' 10" W 103° 56' 3.79	3.79	
6158.00	16.01	301.86	6112.70	309.45	289.31	-264.59	1.97	423912.59	664764.49	N 32° 53' 23" W 103° 56' 4.03	4.03	
6348.00	15.84	299.80	6295.41	339.65	318.03	-309.35	0.31	423939.30	664719.73	N 32° 53' 49" W 103° 56' 4.55	4.55	
6443.00	15.49	299.78	6388.98	354.12	328.77	-331.61	0.37	423952.04	664697.47	N 32° 53' 62" W 103° 56' 4.81	4.81	
6538.00	15.66	300.72	6478.39	368.68	341.82	-353.65	0.33	423964.89	664675.44	N 32° 53' 75" W 103° 56' 5.06	5.06	
6728.00	15.26	301.35	6881.52	388.18	367.72	-397.05	0.23	423991.00	664632.04	N 32° 54' 01" W 103° 56' 5.57	5.57	
6823.00	15.56	302.59	6753.10	413.19	381.09	-418.48	0.47	424004.36	664610.63	N 32° 54' 14" W 103° 56' 5.82	5.82	
6918.00	15.68	303.81	6844.59	428.82	395.06	-439.89	0.32	424018.33	664589.21	N 32° 54' 28" W 103° 56' 6.06	6.06	
7013.00	14.87	303.79	6936.28	444.22	408.88	-460.57	1.06	424032.13	664568.52	N 32° 54' 42" W 103° 56' 6.30	6.30	
7108.00	14.94	303.58	7028.13	459.24	422.32	-480.78	0.29	424045.68	664548.32	N 32° 54' 55" W 103° 56' 6.54	6.54	
7203.00	14.52	303.22	7120.00	474.10	435.61	-500.94	0.45	424058.88	664526.15	N 32° 54' 68" W 103° 56' 6.77	6.77	
7393.00	14.49	300.79	7303.95	502.45	460.83	-541.29	0.32	424084.09	664487.81	N 32° 54' 93" W 103° 56' 7.24	7.24	
7582.00	12.59	299.25	7487.69	527.69	483.00	-579.58	1.02	424106.26	664448.63	N 32° 55' 15" W 103° 56' 7.69	7.69	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLG (ft/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ° ' '')	Longitude (E/W ° ° ' '')
	7677.00	12.39	302.73	7580.44	539.53	493.67	-597.19	0.82	424118.83	664431.92	N 32 9 55.26 W 103 56 7.89	
	7772.00	12.36	303.44	7673.23	551.97	504.88	-614.24	0.16	424127.84	664414.86	N 32 9 55.37 W 103 56 6.09	
	7867.00	11.54	298.65	7766.18	563.43	514.84	-631.07	1.35	424138.10	664398.04	N 32 9 55.47 W 103 56 8.28	
	7964.00	11.17	299.50	7861.28	573.60	523.69	-647.99	0.58	424148.95	664381.12	N 32 9 55.56 W 103 56 8.48	
	8059.00	9.96	293.41	7954.67	582.20	531.08	-663.77	1.41	424154.32	664365.34	N 32 9 55.63 W 103 56 8.68	
	8249.00	7.07	298.77	8142.55	594.54	541.35	-689.92	1.56	424164.61	664339.19	N 32 9 55.74 W 103 56 8.87	
	8344.00	5.77	290.38	8238.86	598.87	544.89	-699.93	1.38	424168.15	664329.18	N 32 9 55.77 W 103 56 9.08	
	8439.00	5.05	289.01	8331.53	603.14	548.52	-709.10	1.07	424171.78	664321.01	N 32 9 55.81 W 103 56 9.18	
	8534.00	3.91	298.17	8426.24	607.04	551.91	-714.70	1.21	424175.17	664314.41	N 32 9 55.84 W 103 56 9.25	
	8708.00	2.89	288.98	8599.93	611.83	555.96	-724.17	0.63	424179.21	664304.94	N 32 9 55.88 W 103 56 9.36	
	8748.00	2.91	284.30	8639.88	612.56	556.53	-728.11	0.59	424179.79	664303.00	N 32 9 55.89 W 103 56 9.39	
	8843.00	13.07	324.87	8733.88	622.82	565.84	-734.85	11.60	424188.20	664294.46	N 32 9 55.98 W 103 56 9.49	
	8938.00	28.10	342.47	8822.64	653.88	596.26	-747.66	16.84	424219.52	664281.46	N 32 9 56.28 W 103 56 9.84	
	9033.00	40.93	345.58	8900.76	708.56	647.99	-762.21	13.63	424271.21	664266.91	N 32 9 56.79 W 103 56 9.80	
	9128.00	49.87	345.48	8987.51	773.02	713.27	-779.07	9.20	424336.52	664250.05	N 32 9 57.44 W 103 56 10.00	
	9223.00	57.16	348.38	9024.11	848.49	787.67	-795.56	8.54	424410.91	664233.56	N 32 9 58.18 W 103 56 10.19	
	9318.00	62.67	351.27	9071.72	930.33	868.87	-809.35	8.05	424491.91	664219.78	N 32 9 58.98 W 103 56 10.34	
	9413.00	70.82	353.57	9109.20	1017.41	955.12	-820.79	8.86	424578.35	664208.33	N 32 9 59.83 W 103 56 10.47	
	9508.00	80.18	355.50	9132.86	1109.27	1048.57	-829.51	10.05	424669.79	664199.61	N 32 10 0.74 W 103 56 10.57	
	9603.00	88.38	356.11	9142.42	1203.71	1140.78	-836.42	8.66	424783.98	664192.71	N 32 10 1.67 W 103 56 10.65	
	9640.00	88.45	355.60	9143.44	1240.70	1177.65	-839.09	1.39	424800.86	664190.03	N 32 10 2.04 W 103 56 10.68	
	9743.00	88.42	355.09	9146.28	1343.66	1280.27	-847.45	0.50	424803.48	664181.88	N 32 10 3.05 W 103 56 10.77	
	9838.00	88.97	355.81	9148.37	1436.63	1372.96	-854.82	0.97	424996.15	664174.30	N 32 10 3.97 W 103 56 10.85	
	9929.00	89.38	357.09	9149.71	1529.61	1465.77	-860.58	1.45	425088.96	664168.55	N 32 10 4.89 W 103 56 10.91	
	10023.00	89.78	357.41	9150.42	1623.58	1559.65	-865.09	0.63	425182.84	664164.04	N 32 10 5.82 W 103 56 10.98	
	10118.00	90.31	357.40	9150.36	1718.50	1652.56	-869.30	0.59	425275.73	664158.83	N 32 10 6.74 W 103 56 11.01	
	10203.00	90.14	359.47	9149.83	1803.23	1839.48	-874.41	1.11	425482.64	664154.72	N 32 10 8.59 W 103 56 11.06	
	10298.00	90.34	0.01	9149.24	1895.97	1932.48	-874.83	0.62	425555.63	664154.30	N 32 10 9.51 W 103 56 11.06	
	10490.00	89.21	359.43	9149.61	2089.71	2026.47	-875.29	1.35	425849.62	664153.84	N 32 10 10.44 W 103 56 11.08	
	10583.00	90.17	359.10	9150.11	2182.50	2119.48	-876.48	1.09	425742.60	664162.65	N 32 10 11.36 W 103 56 11.07	
	10678.00	89.72	358.86	9150.20	2275.33	2212.44	-878.30	0.68	425835.58	664150.83	N 32 10 12.28 W 103 56 11.09	
	10769.00	90.00	358.71	9150.43	2368.18	2305.42	-880.43	0.31	425928.54	664148.89	N 32 10 13.20 W 103 56 11.11	
	10863.00	89.93	358.82	9150.48	2462.01	2399.40	-882.38	0.24	426022.52	664146.75	N 32 10 14.13 W 103 56 11.13	
	10958.00	90.17	0.60	9150.40	2554.74	2492.38	-882.77	1.82	426115.51	664146.38	N 32 10 15.05 W 103 56 11.13	
	11050.00	89.76	0.54	9150.46	2648.37	2588.39	-881.83	0.44	426209.49	664147.30	N 32 10 15.98 W 103 56 11.11	
	11143.00	90.34	1.40	9150.38	2740.93	2687.37	-880.26	1.12	426302.47	664148.87	N 32 10 16.90 W 103 56 11.09	
	11238.00	90.41	3.09	9149.77	2833.27	2772.30	-876.61	1.82	426395.39	664152.51	N 32 10 17.82 W 103 56 11.04	
	11331.00	90.17	3.83	9149.29	2927.34	2867.12	-870.88	0.82	426490.21	664158.24	N 32 10 18.78 W 103 56 10.97	
	11428.00	89.90	3.34	9149.23	3021.38	2961.94	-864.94	0.59	426585.01	664164.18	N 32 10 19.69 W 103 56 10.90	
	11521.00	90.86	2.71	9148.60	3115.54	3056.80	-859.83	1.21	426679.87	664169.20	N 32 10 20.63 W 103 56 10.84	
	11618.00	90.58	2.87	9147.41	3209.75	3151.68	-855.30	0.34	426774.74	664173.82	N 32 10 21.57 W 103 56 10.78	
	11806.00	89.90	359.07	9146.81	3398.70	3341.60	-850.60	1.67	426964.85	664178.53	N 32 10 23.45 W 103 56 10.72	
	11901.00	89.69	358.84	9146.95	3493.47	3436.59	-851.58	1.21	427059.63	664177.84	N 32 10 24.39 W 103 56 10.72	
	11996.00	89.69	358.63	9147.47	3588.31	3531.56	-853.78	0.33	427154.80	664175.38	N 32 10 25.33 W 103 56 10.74	
	12091.00	89.69	358.48	9147.88	3683.17	3626.53	-856.24	0.05	427249.56	664172.88	N 32 10 26.27 W 103 56 10.77	
	12186.00	89.83	357.98	9148.38	3778.06	3721.48	-859.18	0.57	427344.50	664169.93	N 32 10 27.21 W 103 56 10.80	
	12281.00	89.28	357.20	9149.12	3872.99	3816.39	-863.20	0.99	427439.41	664165.92	N 32 10 28.15 W 103 56 10.84	
	12376.00	89.80	356.88	9150.62	3967.96	3911.21	-868.95	1.47	427534.21	664160.17	N 32 10 29.09 W 103 56 10.91	
	12471.00	90.38	357.58	9151.22	4062.93	4006.04	-874.39	2.39	427629.04	664154.74	N 32 10 30.03 W 103 56 10.96	
	12566.00	91.34	359.18	9149.80	4157.79	4100.99	-877.07	1.96	427723.98	664152.05	N 32 10 30.97 W 103 56 10.99	
	12661.00	89.52	359.16	9149.08	4252.58	4195.87	-878.45	1.82	427818.98	664150.88	N 32 10 31.91 W 103 56 11.00	
	12756.00	90.28	359.53	9149.25	4347.35	4290.97	-879.53	0.89	427913.94	664149.59	N 32 10 32.85 W 103 56 11.01	
	12851.00	89.86	359.20	9149.30	4442.13	4385.95	-880.59	0.74	428008.93	664148.54	N 32 10 33.79 W 103 56 11.02	
	12946.00	90.07	359.02	9149.52	4536.93	4480.95	-882.06	0.47	428103.91	664147.06	N 32 10 34.73 W 103 56 11.03	
	13041.00	89.88	359.00	9149.58	4631.75	4575.93	-883.70	0.22	428198.89	664145.42	N 32 10 35.67 W 103 56 11.05	
	13136.00	89.59	357.99	9150.87	4726.60	4670.89	-886.20	1.71	428293.84	664142.93	N 32 10 36.61 W 103 56 11.07	
	13231.00	88.73	356.12	9153.09	4821.53	4765.73	-891.08	1.97	428388.87	664138.05	N 32 10 37.54 W 103 56 11.13	
	13326.00	89.59	356.45	9154.48	4916.51	4860.52	-897.23	0.87	428483.86	664131.99	N 32 10 38.48 W 103 56 11.19	
	13421.00	89.31	357.35	9155.39	5011.48	4955.38	-902.37	0.99	428578.30	664128.76	N 32 10 39.42 W 103 56 11.25	
	13516.00	89.79	358.30	9156.14	5106.39	5050.31	-905.88	1.12	428673.22	664123.15	N 32 10 40.36 W 103 56 11.29	
	13611.00	90.03	358.20	9156.29	5201.27	5145.26	-908.88	0.27	428768.17	664120.25	N 32 10 41.30 W 103 56 11.32	
	13706.00	89.52	357.05	9156.68	5296.20	5240.18	-912.81	1.32	428863.08	664116.32	N 32 10 42.24 W 103 56 11.36	
	13801.00	89.45	358.37	9157.51	5391.12	5335.09	-918.81	1.39	428957.97	664112.52	N 32 10 43.18 W 103 56 11.40	
	13896.00	89.78	0.07	9158.17	5485.91	5430.08	-917.90	1.82	429052.97	664111.23	N 32 10 44.12 W 103 56 11.41	
	14088.00	90.52	2.85	9157.70	5674.84	5620.00	-913.06	1.52	429242.87	664118.07	N 32 10 45.00 W 103 56 11.35	
	14182.00	90.34	4.13	9156.98	5768.89	5715.81	-907.22	1.35	429338.68	664121.91	N 32 10 46.95 W 103 56 11.27	
	14276.00	90.86	4.52	9154.89	5867.59	5805.26	-892.89	0.34	429528.12	664136.24	N 32 10 48.82 W 103 56 11.10	
	14467.00	90.58	4.58	9153.80	6051.39	5999.96	-885.35	0.30	429622.80	664143.77	N 32 10 49.78 W 103 56 11.01	
	14562.00	90.62	4.51	9152.81	6145.16	6094.65	-877.83	0.08	429717.49	664151.30	N 32 10 50.69 W 103 56 10.91	
	14656.00	90.76	3.25	9151.67	6238.15	6188.43	-871.47	1.36	429811.26	664157.86	N 32 10 51.62 W 103 56 10.84	
	14751.00	90.79	3.04	9150.39	6332.20	6283.28	-866.26	0.22	429906.10	664162.87	N 32 10 52.56 W 103 56 10.77	
	14846.00	90.17	1.52	9149.59	6426.80	6378.19	-862.48	1.73	430001.01	664166.65	N 32 10 53.50 W 103 56 10.72	
	14941.00	89.83	0.13	9149.51	6521.18	6473.18	-861.11	1.48	430095.99	664168.02	N 32 10 54.44 W 103 56 10.70	
	15036.00	87.87	357.52	9151.33	6615.98	6568.13	-863.06	3.50	430190.94	664166.07	N 32 10 55.38 W 103 56 10.72	
	15131.00	90.48	358.11	9152.70	6710.88	6663.04	-866.68	2.82	430285.84	664162.45	N 32 10 56.32 W 103 56 10.78	
	15226.00	90.55	358.58	9150.99	6805.83	6852.95	-872.20	0.24	430475.74	664158.83	N 32 10 58.20 W 103 56 10.82	
	15321.00	83.09	1.									

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (NUS)	Easting (EUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	18263.00	89.04	0.15	9156.19	9834.63	9783.43	-908.08	1.18	433415.99	664121.04	N 32 11 27.29	W 103 56 11.11
	18358.00	90.38	0.83	9156.67	9929.26	9868.42	-907.27	1.58	433510.98	664121.88	N 32 11 28.23	W 103 56 11.09
	18453.00	90.07	1.65	9156.30	10023.77	9983.40	-906.22	0.92	433605.94	664123.91	N 32 11 29.17	W 103 56 11.07
	18548.00	90.86	2.07	9155.53	10118.17	10078.34	-902.13	0.84	433700.88	664127.00	N 32 11 30.11	W 103 56 11.03
	18643.00	89.93	2.45	9154.87	10212.50	10173.27	-898.39	1.06	433795.60	664130.74	N 32 11 31.05	W 103 56 10.99
	18738.00	90.14	2.60	9154.82	10306.77	10268.17	-894.20	0.27	433890.70	664134.93	N 32 11 31.89	W 103 56 10.93
	18928.00	89.14	0.52	9156.01	10495.67	10458.99	-889.03	1.21	434090.60	664140.10	N 32 11 33.87	W 103 56 10.86
	19023.00	90.41	358.26	9156.38	10590.43	10553.07	-890.04	2.73	434175.58	664139.09	N 32 11 34.81	W 103 56 10.87
	19212.00	89.17	355.66	9157.08	10779.34	10741.79	-900.06	1.52	434364.28	664129.07	N 32 11 36.68	W 103 56 10.97
	19307.00	89.07	357.90	9158.63	10874.30	10836.82	-905.40	2.38	434459.10	664123.73	N 32 11 37.62	W 103 56 11.03
	19497.00	90.82	1.35	9158.72	11063.78	11026.58	-908.84	2.04	434649.05	664122.49	N 32 11 39.50	W 103 56 11.04
	19592.00	90.41	3.19	9157.70	11158.07	11121.49	-902.88	1.88	434743.86	664126.25	N 32 11 40.44	W 103 56 10.99
	19887.00	90.41	3.60	9157.02	11252.15	11216.32	-897.25	0.43	434838.78	664131.88	N 32 11 41.37	W 103 56 10.92
Final MWD Survey	19759.00	90.24	2.59	9156.81	11323.51	11288.22	-893.37	1.42	434910.67	664135.76	N 32 11 42.09	W 103 56 10.87
Proj. to Bit	19803.00	90.24	2.59	9156.42	11387.17	11332.17	-891.38	0.00	434954.82	664137.75	N 32 11 42.52	W 103 56 10.85

Survey Type: Def Survey

Survey Error Model: ISCIWSA 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	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 24H Gyro+MWD 0-19,803'
	1	26.500	26.500	Act Sins	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 24H Gyro+MWD 0-19,803'
	1	26.500	652.680	Act Sins	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 24H
	1	652.680	5148.000	Act Sins	30.000	30.000	NAL_MWD_PLUS_0 5_DEG	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 24H
	1	5148.000	7867.000	Act Sins	30.000	30.000	NAL_MWD_HDGM+MS	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 24H
	1	7867.000	8748.000	Act Sins	30.000	30.000	NAL_MWD_PLUS_0 5_DEG	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 24H
	1	8748.000	9640.000	Act Sins	30.000	30.000	NAL_MWD_HDGM+MS	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 24H
	1	9640.000	19803.000	Act Sins	30.000	30.000	NAL_MWD_PLUS_0 5_DEG	Original Borehole / Oxy Corral Canyon 36-25 Federal Com 24H

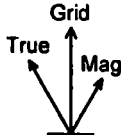
Schlumberger

OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Corral Canyon 36-25 Federal Com 24H	NM Eddy County (NAD 83)	Oxy Corral Canyon 36-25 Federal Com 24H

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: MAG00 2018	Lat: N 32 6 56.15	Northings: 432623.3902	Oxy Corral Canyon 36-25 Federal Com 24H
Dip: 50.231°	Long: W 102 54 0.34	Eastings: 465629.8952	24H
Date: 28-Apr-2018		Scale Feet: 9 3939341	Plot: Oxy Corral Canyon 36-25 Federal Com 24H Rev0 APS 12Feb18
MagDec: 6.973°			



Grid North
Tot Corr (M->G 6.760°)
Mag Dec (6.973°)
Grid Conv (0.213°)

