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Schlumberger

Oxy Turkey Track 4-3 State 32H MWD IFR 0-19109' MD Survey Geodetic

Report
(Def Survey)

30-015-44386



NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 15 2018

RECEIVED

Report Date: September 24, 2018 - 01:29 PM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Blot: Oxy Turkey Track 4-3 State 32H / Oxy Turkey Track 4-3 State 32H
Well: Oxy Turkey Track 4-3 State 32H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Oxy Turkey Track 4-3 State 32H MWD IFR 0-19109' MD
Survey Date: September 05, 2018
Tort / AHD / DDI / ERD Ratio: 318.338' / 11235.284' / 6.985' / 1.260
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 41' 38.19867", W 104° 5' 11.21774"
Location Grid N/E Y/X: N 816276.490 NUS, E 617286.670 NUS
CRS Grid Convergence Angle: 0.1334°
Grid Scale Factor: 0.9999157
Version / Patch: 2.10.740.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 94.471° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB=26.5'
TVD Reference Elevation: 3435.400 ft above MSL
Seabed / Ground Elevation: 3408.900 ft above MSL
Magnetic Declination: 7.379°
Total Gravity Field Strength: 998.5160mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48061.532 nT
Magnetic Dip Angle: 60.482°
Declination Date: September 05, 2018
Magnetic Declination Model: HDGM 2018
North Reference: Grid North
Grid Convergence Used: 0.1334°
Total Corr Mag North->Grid North: 7.2457°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northings (NUS)	Easting (EUS)	Latitude (N/S ° ° ')	Longitude (E/W ° ° ')
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	616276.49	617286.67	N 32 41 38.20 W 104	5 11 22
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	616276.49	617286.67	N 32 41 38.20 W 104	5 11 22
	222.00	0.76	245.87	221.99	-1.14	-0.53	-1.18	0.39	616275.96	617285.49	N 32 41 38.19 W 104	5 11 23
	406.00	0.69	315.67	405.98	-3.04	-0.24	-3.07	0.45	616276.25	617283.60	N 32 41 38.20 W 104	5 11 25
	526.00	0.53	44.71	525.98	-3.23	0.67	-3.19	0.72	616277.16	617283.48	N 32 41 38.21 W 104	5 11 25
	646.00	0.14	114.79	645.98	-2.73	1.01	-2.66	0.42	616277.50	617284.01	N 32 41 38.21 W 104	5 11 25
	768.00	0.10	23.25	767.98	-2.56	1.04	-2.48	0.14	616277.53	617284.19	N 32 41 38.21 W 104	5 11 25
	860.00	0.16	79.68	859.98	-2.41	1.14	-2.33	0.15	616277.63	617284.34	N 32 41 38.21 W 104	5 11 24
	1040.00	0.10	101.41	1039.98	-2.01	1.15	-1.93	0.04	616277.64	617284.74	N 32 41 38.21 W 104	5 11 24
	1130.00	0.10	248.02	1129.98	-2.00	1.11	-1.92	0.21	616277.60	617284.75	N 32 41 38.21 W 104	5 11 24
	1220.00	0.11	44.67	1219.98	-2.02	1.14	-1.93	0.23	616277.63	617284.74	N 32 41 38.21 W 104	5 11 24
	1309.00	0.14	347.35	1308.97	-1.99	1.31	-1.90	0.14	616277.80	617284.77	N 32 41 38.21 W 104	5 11 24
	1400.00	0.13	326.33	1399.97	-2.09	1.50	-1.98	0.06	616277.99	617284.69	N 32 41 38.21 W 104	5 11 24
	1490.00	0.10	204.66	1489.97	-2.18	1.52	-2.07	0.22	616278.01	617284.60	N 32 41 38.21 W 104	5 11 24
	1580.00	0.14	74.94	1579.97	-2.10	1.47	-1.99	0.24	616277.96	617284.68	N 32 41 38.21 W 104	5 11 24
	1675.00	0.10	235.75	1674.97	-2.06	1.48	-1.95	0.25	616277.95	617284.72	N 32 41 38.21 W 104	5 11 24
	1864.00	0.14	356.79	1863.97	-2.22	1.59	-2.10	0.11	616278.08	617284.57	N 32 41 38.21 W 104	5 11 24
	1958.00	0.14	271.36	1957.97	-2.35	1.71	-2.22	0.20	616278.20	617284.45	N 32 41 38.22 W 104	5 11 24
	2053.00	0.13	251.70	2052.97	-2.56	1.68	-2.44	0.05	616278.17	617284.23	N 32 41 38.22 W 104	5 11 25
	2148.00	0.06	140.43	2147.97	-2.63	1.61	-2.51	0.17	616278.10	617284.16	N 32 41 38.21 W 104	5 11 25
	2242.00	0.10	122.19	2241.97	-2.52	1.53	-2.41	0.05	616278.02	617284.26	N 32 41 38.21 W 104	5 11 25
	2337.00	0.17	294.45	2336.97	-2.58	1.54	-2.47	0.13	616278.19	617284.04	N 32 41 38.22 W 104	5 11 25
	2432.00	0.13	340.59	2431.97	-2.76	1.70	-2.63	0.22	616278.26	617284.08	N 32 41 38.22 W 104	5 11 25
	2526.00	0.10	113.84	2525.97	-2.72	1.77	-2.59	0.10	616278.14	617284.17	N 32 41 38.22 W 104	5 11 25
	2621.00	0.10	171.81	2620.97	-2.63	1.65	-2.50	0.18	616278.04	617284.08	N 32 41 38.21 W 104	5 11 25
	2715.00	0.14	259.76	2714.97	-2.72	1.55	-2.61	0.03	616278.03	617283.84	N 32 41 38.21 W 104	5 11 25
	2810.00	0.13	272.87	2809.97	-2.94	1.54	-2.83	0.29	616278.09	617283.80	N 32 41 38.21 W 104	5 11 25
	2882.00	0.11	30.92	2881.97	-2.99	1.60	-2.87	0.02	616278.41	617283.94	N 32 41 38.22 W 104	5 11 25
	3059.00	0.12	18.26	3058.97	-2.87	1.92	-2.73	0.29	616278.41	617283.94	N 32 41 38.22 W 104	5 11 25
	3154.00	0.11	329.42	3153.97	-2.90	2.09	-2.74	0.10	616278.58	617283.93	N 32 41 38.22 W 104	5 11 25
	3249.00	0.12	346.36	3248.97	-2.98	2.27	-2.81	0.04	616278.76	617283.86	N 32 41 38.22 W 104	5 11 25
	3344.00	0.12	145.28	3343.97	-2.95	2.28	-2.78	0.25	616278.77	617283.89	N 32 41 38.22 W 104	5 11 25
	3438.00	0.12	42.89	3437.97	-2.83	2.26	-2.68	0.20	616278.77	617284.01	N 32 41 38.22 W 104	5 11 25
	3533.00	0.12	178.68	3532.97	-2.75	2.25	-2.59	0.23	616278.74	617284.08	N 32 41 38.22 W 104	5 11 25
	3628.00	0.15	166.89	3627.97	-2.71	2.03	-2.56	0.04	616278.52	617284.11	N 32 41 38.22 W 104	5 11 25
	3722.00	0.12	148.06	3721.97	-2.61	1.82	-2.48	0.06	616278.31	617284.19	N 32 41 38.22 W 104	5 11 25
	3817.00	0.39	75.14	3816.97	-2.25	1.82	-2.11	0.39	616278.31	617284.56	N 32 41 38.22 W 104	5 11 24
	3912.00	0.93	66.74	3911.96	-1.26	2.21	-1.09	0.58	616278.70	617285.58	N 32 41 38.22 W 104	5 11 23
	4006.00	1.65	81.16	4005.94	0.73	2.72	0.95	0.83	616279.21	617287.62	N 32 41 38.23 W 104	5 11 21
	4101.00	2.17	85.61	4100.89	3.84	3.07	4.09	0.57	616279.56	617290.76	N 32 41 38.23 W 104	5 11 17
	4195.00	2.80	85.03	4194.80	7.86	3.40	8.15	0.67	616279.89	617294.82	N 32 41 38.23 W 104	5 11 12
	4290.00	2.87	91.03	4289.68	12.53	3.56	12.84	0.32	616280.05	617299.51	N 32 41 38.23 W 104	5 11 07
	4385.00	3.36	94.58	4384.54	17.68	3.30	18.00	0.55	616279.79	617304.66	N 32 41 38.23 W 104	5 11 01
	4444.00	3.74	100.63	4443.43	21.33	2.80	21.61	0.63	616279.29	617308.28	N 32 41 38.23 W 104	5 10 96
	4539.00	4.32	98.69	4538.19	27.88	1.69	28.19	0.93	616278.18	617314.86	N 32 41 38.21 W 104	5 10 89
	4633.00	5.14	94.10	4631.67	35.72	0.86	35.89	0.63	616277.35	617322.96	N 32 41 38.21 W 104	5 10 80
	4728.00	4.89	99.61	4726.51	44.01	-0.13	44.13	0.57	616276.38	617330.80	N 32 41 38.20 W 104	5 10 70
	4823.00	4.41	99.85	4821.20	51.67	-1.43	51.72	0.51	616275.06	617338.39	N 32 41 38.18 W 104	5 10 61
	4918.00	2.83	116.30	4918.01	57.49	-3.09	57.42	1.97	616273.40	617344.09	N 32 41 38.17 W 104	5 10 55
	5012.00	2.66	200.03	5009.93	59.06	-6.17	58.76	3.90	616270.32	617345.42	N 32 41 38.14 W 104	5 10 53
	5107.00	5.28	225.90	5104.70	55.57	-11.28	54.86	3.27	616265.21	617341.53	N 32 41 38.09 W 104	5 10 58
	5202.00	8.43	233.05	5199.01	47.46	-18.51	46.15	3.43	616257.98	617332.82	N 32 41 38.01 W 104	5 10 68
	5297.00	11.46	236.68	5292.57	34.77	-27.88	32.70	3.06	616248.61	617319.37	N 32 41 37.92 W 104	5 10 84
	5391.00	14.29	238.74	5384.20	17.97	-39.04	14.88	3.25	616237.46	617301.65	N 32 41 37.81 W 104	5 11 04
	5486.00	14.01	237.50	5478.32	-0.73	-51.30	-4.74	0.43	616225.20	617281.93	N 32 41 37.69 W 104	5 11 27
	5578.00	14.22	238.71	5565.60	-18.80	-63.15	-23.79	0.39	616213.34	617262.88	N 32 41 37.57 W 104	5 11 30
	5672.00	14.51	237.65	5656.60	-37.59	-75.45	-43.61	0.42	616201.05	617243.07	N 32 41 37.45 W 104	5 11 37
	5767.00	14.61	240.11	5748.55	-57.01	-87.79	-64.05	0.68	616188.71	617222.63	N 32 41 37.33 W 104	5 11 47
	5862.00	14.41	239.37	5840.52	-76.57	-99.78	-84.61	0.29	616176.72	617202.07	N 32 41 37.21 W 104	5 12 01
	5957.00	12.33	244.21	5932.95	-95.01	-110.22	-103.91	2.48	616166.28	617182.76	N 32 41 37.11 W 104	5 12 04
	6051.00	8.15	251.91	6025.43	-109.84	-116.66	-119.29	4.67	616159.84	617167.39	N 32 41 37.05 W 104	5 12 02
	6146.00	5.54	263.51	6119.75	-120.96	-119.27	-130.25	3.10	616157.23	617156.43	N 32 41 37.02 W 104	5 12 05
	6241.00	3.60	274.73	6214.45	-126.04	-119.54	-137.78	2.24	616156.96	617146.90	N 32 41 37.02 W 104	5 12 03
	6335.00	2.12	323.99	6308.34	-132.12	-117.89	-141.75	2.91	616156.61	617144.84	N 32 41 37.04 W 104	5 12 08
	6430.00	5.09	18.01	6433.11	-132.33	-110.74	-141.39	3.37	616156.76	617145.29	N 32 41 37.11 W 104	5 12 08
	6525.00	4.19	322.95	6527.84	-133.84	-103.96	-142.18	4.59	616172.54	617144.50	N 32 41 37.17 W 104	5 12 08
	6620.00	8.45	266.36	6622.31	-142.88	-101.63	-151.25	7.43	616174.87	617135.44	N 32 41 37.20 W 104	5 12 09
	6715.00	8.39	251.26	6716.30	-156.15	-104.30	-164.78	2.32	616172.20	617121.91	N 32 41 37.17 W 104	5 13 15
	6810.00	10.82	248.11	6809.97	-170.37	-110.14	-179.50	2.71	616166.36	617107.19	N 32 41 37.11 W 104	5 13 32
	6904.00	11.26	238.72	6902.23	-185.58	-118.48	-195.41	1.58	616158.02	617091.28	N 32 41 37.03 W 104	5 13 51
	7000.00	8.72	222.38	6995.80	-197.53	-128.82	-208.19	3.98	616147.68	617078.49	N 32 41 36.93 W 104	5 13 66
	7124.00	9.96	207.17	7089.55	-205.13	-141.25	-216.80	2.90	616135.25	617069.89	N 32 41 36.81 W 104	5 13 78
	7218.00	11.21	213.35	7181.96	-212.68	-156.12	-225.84	1.79	616126.35	617061.15	N 32 41 36.66 W 104	5 13 86
	7312.00	14.35	225.17	7273.63	-224.69	-171.97	-238.83	4.33	616104.54	617047.86	N 32 41 36.50 W 104	5 14 02
	7407.00	16.60	230.15	7365.18	-242.08	-188.97	-257.60	2.75	616087.54	617029.09	N 32 41 36.33 W 104	5 14 24
	7501.00	16.52	226.67	7455.29	-261.01	-206.39	-277.94	0.46	616070.11	617008.75	N 32 41 36.16 W 104	5 14 48

Comments	MD	Incl	Adm Grd	TVD	VSECC	NS	EW	DLS	Northing	Easting	Latitude	Longitude
	(m)	(°)	(m)	(m)	(m)	(m)	(m)	(1/1000)	(m)	(m)	(N 32 41 35.40 W 104 51.50)	(E 104 51.50)
	7871.00	17.18	217.06	7815.75	-333.21	-283.83	-358.40	1.88	615592.88	616930.30	N 32 41 35.40 W 104 51.50	15.40
	7873.00	18.87	219.01	7808.63	-348.49	-305.42	-373.43	0.80	615971.10	616913.27	N 32 41 35.18 W 104 51.50	15.60
	7875.00	17.02	219.45	7807.55	-364.18	-326.74	-390.84	0.39	615949.78	616895.86	N 32 41 34.97 W 104 51.50	15.80
	7877.00	16.37	205.95	7807.63	-376.93	-349.28	-405.39	4.17	615927.24	616881.32	N 32 41 34.75 W 104 51.50	15.97
	7879.00	12.30	204.09	7817.06	-384.09	-367.66	-414.01	4.98	615908.87	616872.69	N 32 41 34.57 W 104 51.50	16.07
	7881.00	12.17	204.67	7817.78	-384.96	-369.97	-415.06	1.48	615906.55	616871.64	N 32 41 34.55 W 104 51.50	16.08
	7883.00	17.88	190.59	7827.53	-389.98	-393.43	-421.93	7.08	615893.09	616864.78	N 32 41 34.32 W 104 51.50	16.17
	7885.00	24.05	159.72	7835.48	-393.40	-426.06	-417.88	13.11	615880.47	616868.82	N 32 41 33.99 W 104 51.50	16.12
	7887.00	26.96	146.31	7844.38	-392.19	-461.76	-399.41	6.88	615814.74	616887.30	N 32 41 33.64 W 104 51.50	16.10
	7889.00	26.51	124.06	7850.37	-330.87	-482.42	-370.39	9.30	615754.12	616916.32	N 32 41 33.34 W 104 51.50	16.17
	7891.00	39.08	119.57	7857.89	-228.87	-537.17	-271.09	13.33	615710.37	617015.60	N 32 41 32.69 W 104 51.50	16.10
	7893.00	51.34	113.01	7874.12	-152.14	-582.41	-188.82	17.48	615694.13	617027.78	N 32 41 32.34 W 104 51.50	16.10
	7895.00	66.77	106.75	7873.26	-85.11	-622.95	-114.02	12.90	615653.59	617122.68	N 32 41 32.04 W 104 51.50	16.17
	7897.00	80.33	100.11	7875.21	45.32	-648.88	68.62	6.23	615627.66	617281.40	N 32 41 31.78 W 104 51.50	16.10
	7899.00	81.43	100.38	7878.94	118.02	-661.86	158.64	1.53	615614.67	617433.29	N 32 41 31.65 W 104 51.50	16.10
	7901.00	84.59	97.98	7898.36	210.95	-677.20	303.60	3.89	615596.35	617445.30	N 32 41 31.49 W 104 51.50	16.10
	7903.00	87.76	96.42	7884.58	303.60	-689.26	520.53	1.48	615580.73	617537.28	N 32 41 31.31 W 104 51.50	16.10
	7905.00	88.35	95.72	7868.68	385.34	-685.82	312.25	4.09	615560.79	617598.68	N 32 41 31.11 W 104 51.50	16.10
	7907.00	88.07	94.14	7869.62	459.49	-703.89	405.85	1.71	615542.96	617627.46	N 32 41 31.22 W 104 51.50	16.10
	7909.00	88.04	93.12	7861.78	552.42	-709.78	488.81	1.70	615527.96	617627.46	N 32 41 31.16 W 104 51.50	16.10
	7911.00	88.07	89.95	7861.96	739.05	-714.76	775.51	1.07	615509.77	617627.46	N 32 41 31.11 W 104 51.50	16.10
	7913.00	88.96	88.86	7862.84	831.95	-722.86	986.25	1.07	615492.66	617627.46	N 32 41 31.11 W 104 51.50	16.10
	7915.00	90.62	102.78	7863.64	1117.12	-732.86	1086.06	1.68	615471.01	617627.46	N 32 41 30.83 W 104 51.50	16.10
	7917.00	90.83	101.66	7864.24	1238.39	-734.81	1274.57	5.64	615402.05	617627.46	N 32 41 30.68 W 104 51.50	16.10
	7919.00	87.45	98.46	7867.33	1331.46	-739.51	1274.57	8.04	615387.87	617627.46	N 32 41 30.46 W 104 51.50	16.10
	7921.00	89.85	98.95	7868.61	1425.61	-749.81	1369.39	5.40	615361.13	617627.46	N 32 41 30.51 W 104 51.50	16.10
	7923.00	92.30	87.82	7869.33	1512.78	-763.78	1482.87	2.78	615321.79	617627.46	N 32 41 30.61 W 104 51.50	16.10
	7925.00	90.44	87.07	7869.78	1610.32	-769.80	1556.81	2.20	615306.94	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7927.00	88.00	83.24	7869.05	1703.07	-776.84	1650.87	0.45	615285.17	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7929.00	88.35	82.28	7869.05	1795.19	-776.84	1743.95	3.27	615265.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7931.00	87.80	88.84	7869.05	1883.25	-776.84	1835.56	4.25	615245.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7933.00	87.75	89.76	7869.05	2076.78	-776.84	1933.45	1.72	615225.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7935.00	87.75	90.32	7869.05	2171.44	-776.84	2027.36	0.84	615205.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7937.00	87.82	91.68	7869.05	2267.21	-776.84	2122.29	1.04	615185.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7939.00	88.00	93.28	7869.05	2362.08	-776.84	2213.02	1.44	615165.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7941.00	88.83	92.43	7869.05	2456.01	-776.84	2303.02	1.52	615145.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7943.00	88.76	92.65	7869.05	2550.93	-776.84	2400.86	1.26	615125.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7945.00	88.14	92.56	7869.05	2645.84	-776.84	2501.75	0.84	615105.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7947.00	88.09	92.56	7869.05	2740.84	-776.84	2598.61	0.65	615085.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7949.00	88.79	92.56	7869.05	2835.79	-776.84	2691.49	0.84	615065.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7951.00	89.79	92.56	7869.05	2930.69	-776.84	2786.39	1.68	615045.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7953.00	89.72	90.38	7869.05	3119.29	-776.84	2881.33	0.42	615025.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7955.00	89.35	91.00	7869.05	3214.08	-776.84	2976.30	0.68	615005.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7957.00	89.65	90.15	7869.05	3308.85	-776.84	3071.30	0.90	614985.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7959.00	89.65	91.72	7869.05	3403.66	-776.84	3165.30	1.83	614965.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7961.00	89.65	90.69	7869.05	3508.01	-776.84	3259.30	0.90	614945.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7963.00	89.65	90.69	7869.05	3602.86	-776.84	3353.30	1.36	614925.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7965.00	89.65	90.69	7869.05	3697.05	-776.84	3448.24	1.36	614905.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7967.00	89.65	90.69	7869.05	3791.85	-776.84	3543.24	0.68	614885.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7969.00	90.31	90.04	7869.05	3870.40	-776.84	3638.24	0.57	614865.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7971.00	90.04	90.04	7869.05	3959.84	-776.84	3733.24	0.57	614845.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7973.00	90.24	92.46	7869.05	4049.84	-776.84	3828.24	1.39	614825.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7975.00	90.65	93.36	7869.05	4139.84	-776.84	3923.24	0.84	614805.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7977.00	90.65	93.36	7869.05	4229.84	-776.84	4018.24	1.35	614785.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7979.00	90.65	93.36	7869.05	4319.84	-776.84	4113.24	0.78	614765.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7981.00	90.65	93.36	7869.05	4409.84	-776.84	4208.24	0.25	614745.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7983.00	90.65	93.36	7869.05	4499.84	-776.84	4303.24	0.84	614725.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7985.00	90.65	93.36	7869.05	4589.84	-776.84	4398.24	0.78	614705.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7987.00	90.65	93.36	7869.05	4679.84	-776.84	4493.24	0.25	614685.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7989.00	90.65	93.36	7869.05	4769.84	-776.84	4588.24	0.84	614665.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7991.00	90.65	93.36	7869.05	4859.84	-776.84	4683.24	0.25	614645.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7993.00	90.65	93.36	7869.05	4949.84	-776.84	4778.24	0.24	614625.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7995.00	90.65	93.36	7869.05	5039.84	-776.84	4873.24	0.25	614605.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7997.00	90.65	93.36	7869.05	5129.84	-776.84	4968.24	0.25	614585.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	7999.00	90.65	93.36	7869.05	5219.84	-776.84	5063.24	0.25	614565.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8001.00	90.65	93.36	7869.05	5309.84	-776.84	5158.24	0.25	614545.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8003.00	90.65	93.36	7869.05	5399.84	-776.84	5253.24	0.25	614525.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8005.00	90.65	93.36	7869.05	5489.84	-776.84	5348.24	0.25	614505.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8007.00	90.65	93.36	7869.05	5579.84	-776.84	5443.24	0.25	614485.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8009.00	90.65	93.36	7869.05	5669.84	-776.84	5538.24	0.25	614465.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8011.00	90.65	93.36	7869.05	5759.84	-776.84	5633.24	0.25	614445.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8013.00	90.65	93.36	7869.05	5849.84	-776.84	5728.24	0.25	614425.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8015.00	90.65	93.36	7869.05	5939.84	-776.84	5823.24	0.25	614405.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8017.00	90.65	93.36	7869.05	6029.84	-776.84	5918.24	0.25	614385.05	617627.46	N 32 41 30.87 W 104 51.50	16.10
	8019.00	90.65	93.36									

Comments	MD (ft)	Incl (°)	Azimuth (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Proj to Bit	19109.00	88.33	90.74	8915.28	9982.62	-749.27	9954.51	0.00	615527.28	627240.32	N 32 41 30.54	W 104 3 14.76

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	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	30.000	30.000	ZERO	Original Borehole / Oxy Turkey Track 4-3 State 32H MWD IFR 0-
	1	26.500	26.500	Act Strs	30.000	30.000	ZERO	Original Borehole / Oxy Turkey Track 4-3 State 32H MWD IFR 0-
	1	26.500	19109.000	Act Strs	30.000	30.000	ZERO	Original Borehole / Oxy Turkey Track 4-3 State 32H MWD IFR 0-

Schlumberger

OXY

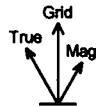


Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Turkey Track 4-3 State 32H	NM Eddy County (NAD 83)	Oxy Turkey Track 4-3 State 32H

Gravity & Magnetic Parameters			Surface Location			Miscellaneous		
Model: HDGM 2018	Dip: 60.432°	Date: 06-Sep-2018	Lat: N 33 41 58.33	North: 616276.48913	Grid Conv: 0.1334°	Stat: Oxy Turkey Track 4-3 State 32H	TVD Ref: RKB=26.5' (33.5' above MSL)	
Mag Dec: 7.379°	FB: 43081.532nT	Gravity FB: 998.018mg (0.00055 Based)	Lon: W 104 8 11.32	Easting: 617288.47913	Scale Fact: 0.9999167	Plan: Oxy Turkey Track 4-3 State 32H MWD IFR 0-19109' MD		

Critical Points

Critical Point	MD	DNCL	AZIM	TVD	VSEC	N(°)S(-)	E(°)W(-)	DLS
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00
KOP Actual	8256.00	12.17	204.67	8178.78	-384.96	-389.97	-415.08	1.49
100' FEL Cross	19030.00	88.74	90.54	8913.10	9903.83	-748.32	9875.54	0.32
Final MWD Survey	19083.00	88.33	90.74	8913.94	9936.74	-748.68	9908.53	1.49
Proj to Bit	19109.00	88.33	90.74	8915.28	9982.82	-749.27	9954.51	0.00



Grid North
Tot Corr (M-G 7.246°)
Mag Dec (7.379°)
Grid Conv (0.133°)

