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page for directional survey

Schlumberger

Oxy Turkey Track 9-10 State 24H Gyro+MWD 0-17,990' Survey Geodetic
Report
(Def Survey) 30-015-44156



NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 18 2017

RECEIVED

Report Date: November 06, 2017 - 09:14 AM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Turkey Track 9-10 State 24H / Oxy Turkey Track 9-10 State 24H
Well: Oxy Turkey Track 9-10 State 24H
Borehole: Original Borehole
UWI / APW: Unknown / Unknown
Survey Name: Oxy Turkey Track 9-10 State 24H Gyro+MWD 0-17,990'
Survey Date: October 18, 2017
Tort / AHD / DDI / ERD Ratio: 198.397' / 11098.697 ft / 6.697' / 1.396
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 40' 16.86313", W 104° 5' 20.77168"
Location Grid N/E Y/X: N 808034.780 RUS, E 618489.220 RUS
CR8 Grid Convergence Angle: 0.1318°
Grid Scale Factor: 0.99991566
Version / Patch: 2.10.565.0
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 94.348° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB=28.5'
TVD Reference Elevation: 3414.900 ft above MSL
Seabed / Ground Elevation: 3388.400 ft above MSL
Magnetic Declination: 7.452°
Total Gravity Field Strength: 998.5125 mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48162.457 nT
Magnetic Dip Angle: 80.498°
Declination Date: October 18, 2017
Magnetic Declination Model: HDGM 2017
North Reference: Grid North
Grid Convergence Used: 0.1318°
Total Corr Mag North->Grid North: 7.3200°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northings (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	608034.78	618489.22	N 32 40 16.66 W 104 5 20.77	
	14.59	0.53	185.25	14.59	0.02	-0.07	0.01	3.63	608034.71	618489.23	N 32 40 16.66 W 104 5 20.77	
	104.45	0.23	159.15	104.45	0.20	-0.84	0.15	0.34	608034.14	618489.37	N 32 40 16.66 W 104 5 20.77	
	195.82	0.08	219.02	195.82	0.24	-0.86	0.18	0.22	608033.92	618489.40	N 32 40 16.65 W 104 5 20.77	
	288.29	0.22	34.26	288.29	0.30	-0.77	0.24	0.32	608034.01	618489.46	N 32 40 16.66 W 104 5 20.77	
	381.10	0.33	49.86	381.10	0.58	-0.45	0.54	0.14	608034.33	618489.78	N 32 40 16.66 W 104 5 20.77	
	473.89	0.26	86.11	473.89	0.97	-0.26	0.96	0.21	608034.52	618490.18	N 32 40 16.66 W 104 5 20.76	
	565.92	0.31	93.36	565.91	1.43	-0.26	1.41	0.07	608034.52	618490.63	N 32 40 16.66 W 104 5 20.76	
	656.75	0.44	86.24	656.74	2.02	-0.25	2.01	0.15	608034.53	618491.23	N 32 40 16.66 W 104 5 20.75	
	748.38	0.57	89.85	748.37	2.82	-0.23	2.81	0.15	608034.55	618492.03	N 32 40 16.66 W 104 5 20.74	
	839.37	0.61	86.60	839.35	3.76	-0.20	3.75	0.06	608034.58	618492.97	N 32 40 16.66 W 104 5 20.73	
	931.70	0.65	82.22	931.68	4.75	-0.10	4.76	0.07	608034.68	618493.98	N 32 40 16.66 W 104 5 20.72	
	1023.35	0.74	74.93	1023.32	5.82	0.12	5.85	0.14	608034.90	618495.07	N 32 40 16.66 W 104 5 20.70	
	1115.69	0.96	67.99	1115.65	7.08	0.57	7.14	0.26	608035.35	618496.36	N 32 40 16.67 W 104 5 20.69	
	1208.20	1.28	56.37	1208.14	8.59	1.43	8.72	0.42	608036.21	618497.94	N 32 40 16.68 W 104 5 20.67	
	1300.69	1.46	54.59	1300.61	10.31	2.69	10.54	0.20	608037.47	618499.76	N 32 40 16.69 W 104 5 20.65	
	1392.54	1.47	52.24	1392.43	12.08	4.09	12.42	0.07	608038.87	618501.64	N 32 40 16.70 W 104 5 20.63	
	1487.22	0.35	45.17	1487.09	13.17	5.03	13.59	1.19	608039.81	618502.81	N 32 40 16.71 W 104 5 20.61	
	1581.80	0.46	45.09	1581.87	13.63	5.52	14.09	0.15	608040.30	618503.31	N 32 40 16.72 W 104 5 20.61	
	1676.42	0.60	47.22	1676.29	14.23	6.14	14.74	0.12	608040.92	618503.96	N 32 40 16.72 W 104 5 20.60	
	1771.03	0.59	45.32	1770.89	14.89	6.82	15.45	0.02	608041.60	618504.67	N 32 40 16.73 W 104 5 20.59	
	1865.77	0.65	42.87	1865.63	15.54	7.55	16.18	0.07	608042.33	618505.38	N 32 40 16.74 W 104 5 20.58	
	1960.40	0.77	40.73	1960.25	16.25	8.43	16.94	0.13	608043.21	618506.16	N 32 40 16.75 W 104 5 20.57	
	2054.94	0.75	44.62	2054.78	17.03	9.35	17.79	0.06	608044.13	618507.01	N 32 40 16.76 W 104 5 20.56	
	2149.39	0.87	40.36	2149.22	17.85	10.34	18.69	0.14	608045.12	618507.91	N 32 40 16.76 W 104 5 20.55	
	2243.97	1.31	243.86	2243.79	17.34	10.41	18.18	2.26	608045.19	618507.40	N 32 40 16.77 W 104 5 20.56	
	2338.61	1.43	246.41	2338.41	15.37	9.46	16.13	0.14	608044.24	618506.35	N 32 40 16.76 W 104 5 20.58	
	2432.92	1.40	245.59	2432.69	13.32	8.51	14.00	0.04	608043.29	618503.22	N 32 40 16.75 W 104 5 20.61	
	2527.51	1.44	245.49	2527.25	11.26	7.54	11.87	0.04	608042.32	618501.09	N 32 40 16.74 W 104 5 20.63	
	2621.97	1.49	246.11	2621.68	9.14	6.55	9.66	0.06	608041.33	618498.88	N 32 40 16.73 W 104 5 20.66	
	2716.49	1.50	244.98	2716.17	8.98	5.53	7.42	0.03	608040.31	618496.64	N 32 40 16.72 W 104 5 20.68	
	2811.02	1.47	244.90	2810.86	4.85	4.49	5.20	0.03	608039.27	618494.42	N 32 40 16.71 W 104 5 20.71	
	2905.50	1.47	247.61	2905.11	2.71	3.52	2.98	0.07	608038.30	618492.20	N 32 40 16.70 W 104 5 20.74	
	3000.17	1.47	249.39	2999.75	0.52	2.63	0.72	0.05	608037.41	618489.94	N 32 40 16.69 W 104 5 20.76	
	3094.83	1.54	246.67	3094.18	-1.70	1.70	-1.58	0.11	608036.48	618487.64	N 32 40 16.68 W 104 5 20.79	
	3189.20	1.58	247.24	3188.71	-3.67	0.70	-3.93	0.03	608035.48	618485.29	N 32 40 16.67 W 104 5 20.82	
	3283.57	1.63	245.82	3283.05	-6.29	-0.35	-6.34	0.09	608034.43	618482.88	N 32 40 16.66 W 104 5 20.85	
	3378.10	1.67	246.82	3377.54	-8.73	-1.38	-8.86	0.13	608033.40	618480.36	N 32 40 16.65 W 104 5 20.88	
	3472.44	1.47	254.58	3471.84	-11.12	-2.17	-11.31	0.25	608032.61	618477.91	N 32 40 16.64 W 104 5 20.90	
	3566.89	0.93	275.23	3566.07	-13.02	-2.42	-13.24	0.73	608032.36	618475.98	N 32 40 16.64 W 104 5 20.93	
	3661.29	0.03	353.37	3660.67	-13.79	-2.33	-14.01	0.98	608032.45	618475.21	N 32 40 16.64 W 104 5 20.94	
	3755.82	0.03	353.23	3755.00	-13.80	-2.28	-14.02	0.00	608032.50	618475.21	N 32 40 16.64 W 104 5 20.94	
	3850.19	1.22	168.45	3849.56	-13.53	-3.24	-13.82	1.32	608031.54	618475.40	N 32 40 16.63 W 104 5 20.93	
	3944.57	2.22	158.79	3943.90	-12.47	-5.93	-12.95	1.10	608028.85	618476.27	N 32 40 16.60 W 104 5 20.92	
	4039.57	4.27	153.89	4038.74	-9.88	-10.82	-10.73	2.18	608023.96	618478.49	N 32 40 16.56 W 104 5 20.90	
	4134.34	5.41	150.31	4133.17	-5.59	-17.87	-6.97	1.24	608016.91	618482.25	N 32 40 16.49 W 104 5 20.85	
	4229.04	5.99	143.95	4227.40	0.11	-25.74	-1.85	0.90	608006.04	618487.37	N 32 40 16.41 W 104 5 20.79	
	4323.81	6.11	140.20	4321.65	6.83	-33.62	4.29	0.44	608001.17	618493.51	N 32 40 16.33 W 104 5 20.72	
	4418.49	6.55	136.93	4415.75	14.31	-41.43	11.20	0.60	607993.35	618500.42	N 32 40 16.25 W 104 5 20.64	
	4512.92	6.72	135.57	4509.55	22.43	-49.31	18.75	0.25	607985.47	618507.97	N 32 40 16.17 W 104 5 20.55	
	4607.32	7.04	135.78	4603.27	30.93	-57.40	26.85	0.34	607977.38	618515.87	N 32 40 16.09 W 104 5 20.46	
	4702.05	7.30	135.94	4697.28	39.78	-65.89	34.89	0.28	607968.90	618524.10	N 32 40 16.01 W 104 5 20.37	
	4796.75	8.08	136.43	4791.10	49.22	-75.03	43.66	0.83	607959.75	618532.87	N 32 40 15.92 W 104 5 20.26	
	4891.34	9.08	141.29	4884.64	59.25	-85.67	52.91	1.30	607949.11	618542.12	N 32 40 15.81 W 104 5 20.16	
	5031.18	9.95	148.00	5022.53	74.28	-104.30	66.56	0.83	607930.49	618555.78	N 32 40 15.63 W 104 5 20.00	
	5080.78	11.01	150.85	5071.33	79.57	-111.98	71.28	2.73	607922.81	618560.49	N 32 40 15.55 W 104 5 19.94	
	5175.43	11.80	150.33	5164.11	89.99	-128.27	80.50	0.84	607908.52	618569.71	N 32 40 15.39 W 104 5 19.83	
	5269.90	12.77	152.19	5256.41	100.96	-145.90	90.15	1.11	607898.09	618578.37	N 32 40 15.22 W 104 5 19.72	
	5364.51	14.80	155.37	5348.33	112.30	-165.99	100.00	2.09	607886.81	618590.21	N 32 40 15.02 W 104 5 19.61	
	5458.02	16.54	159.61	5439.28	123.69	-189.40	109.65	2.38	607845.39	618598.96	N 32 40 14.79 W 104 5 19.49	
	5553.49	18.49	160.89	5529.46	135.34	-216.18	119.30	2.09	607818.62	618608.51	N 32 40 14.52 W 104 5 19.38	
	5648.24	19.75	163.63	5618.98	147.03	-246.72	128.78	1.67	607789.06	618617.98	N 32 40 14.23 W 104 5 19.27	
	5742.81	19.66	165.14	5708.01	157.92	-276.43	137.38	0.55	607758.38	618626.57	N 32 40 13.92 W 104 5 19.17	
	5837.39	19.59	164.55	5797.10	168.53	-307.09	145.68	0.22	607727.72	618634.87	N 32 40 13.62 W 104 5 19.08	
	5932.03	19.71	161.73	5886.23	180.04	-337.53	154.89	1.01	607697.27	618644.10	N 32 40 13.32 W 104 5 18.97	
	6026.67	19.80	164.13	5975.21	191.70	-368.08	164.27	0.86	607666.74	618653.48	N 32 40 13.02 W 104 5 18.86	
	6121.21	18.81	163.63	6064.53	202.64	-398.13	172.95	1.06	607636.68	618662.16	N 32 40 12.72 W 104 5 18.76	
	6215.82	15.86	165.62	6154.88	212.14	-425.14	180.43	3.39	607609.67	618669.63	N 32 40 12.45 W 104 5 18.67	
	6310.31	11.55	164.87	6246.70	219.39	-448.64	186.06	4.35	607588.18	618675.27	N 32 40 12.24 W 104 5 18.61	
	6404.77	10.98	163.90	6339.34	225.68	-484.39	191.02	0.66	607570.43	618680.23	N 32 40 12.06 W 104 5 18.55	
	6499.33	11.74	158.30	6432.05	233.04	-481.97	197.07	1.43	607552.85	618686.28	N 32 40 11.89 W 104 5 18.48	
	6593.99	12.43	153.88	6524.62	242.44	-500.06	205.12	1.22	607534.76	618694.32	N 32 40 11.71 W 104 5 18.39	
	6688.67	12.21	148.44	6617.12	253.48	-517.75	214.85	1.25	607517.08	618704.05	N 32 40 11.54 W 104 5 18.27	
	6783.09	12.80	146.81	6709.33	265.61	-534.87	225.71	0.56	607499.95	618714.91	N 32 40 11.37 W 104 5 18.15	
	6877.73	13.44	147.95	6801.54	278.43	-552.83	237.20	0.93	607481.99	618728.40	N 32 40 11.19 W 104 5 18.01	
	6972.40	1										

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
Last Gyro	7256.12	17.00	147.37	7185.77	338.29	-640.08	290.60	0.22	607394.75	616779.79	N 32 40 10.32 W 104 5 17.39	
	7316.00	16.81	144.99	7223.07	349.04	-654.55	300.28	1.20	607380.29	616789.48	N 32 40 10.18 W 104 5 17.28	
	7367.00	17.77	144.42	7262.21	356.82	-664.49	307.33	2.38	607370.35	616796.52	N 32 40 10.08 W 104 5 17.19	
	7451.00	21.48	129.81	7350.79	380.06	-687.20	328.61	6.52	607347.54	616815.10	N 32 40 9.86 W 104 5 16.94	
	7546.00	25.38	114.49	7438.02	413.39	-708.80	360.84	7.58	607328.04	616850.03	N 32 40 9.69 W 104 5 16.57	
	7640.00	27.42	110.39	7522.22	453.11	-722.89	399.47	2.91	607312.15	616888.86	N 32 40 9.50 W 104 5 16.12	
	7735.00	33.59	104.59	7604.05	500.05	-738.95	445.46	7.19	607297.89	616934.64	N 32 40 9.36 W 104 5 15.58	
	7830.00	38.51	101.85	7680.84	555.27	-749.65	499.88	5.45	607285.19	616989.05	N 32 40 9.23 W 104 5 14.94	
	7924.00	43.59	99.81	7751.71	616.60	-761.08	550.51	5.83	607273.77	617040.88	N 32 40 9.12 W 104 5 14.24	
	8019.00	48.37	96.58	7814.70	687.33	-772.07	630.61	10.19	607262.77	617119.78	N 32 40 9.01 W 104 5 13.42	
	8114.00	53.37	92.97	7884.57	767.96	-781.71	710.74	10.96	607253.14	617199.90	N 32 40 8.91 W 104 5 12.48	
	8208.00	58.22	89.71	7959.99	854.92	-788.12	797.47	9.86	607246.73	617286.62	N 32 40 8.85 W 104 5 11.46	
	8303.00	62.88	86.30	8030.36	947.48	-790.72	890.07	11.45	607244.13	617379.22	N 32 40 8.82 W 104 5 10.38	
	8397.00	67.11	82.95	8106.43	1040.91	-790.34	983.82	7.35	607244.50	617472.95	N 32 40 8.82 W 104 5 9.28	
	8474.00	69.52	80.61	8182.95	1117.42	-787.58	1080.76	3.44	607247.28	617549.89	N 32 40 8.85 W 104 5 8.38	
	8568.00	71.99	78.30	8260.60	1210.73	-783.39	1154.66	1.81	607251.46	617643.78	N 32 40 8.89 W 104 5 7.29	
	8662.00	74.42	76.07	8340.21	1304.21	-780.06	1248.62	0.83	607254.19	617737.73	N 32 40 8.91 W 104 5 6.19	
	8757.00	76.91	73.74	8421.39	1392.68	-777.82	1343.58	0.34	607257.02	617832.68	N 32 40 8.94 W 104 5 5.08	
	8851.00	79.36	71.41	8500.14	1482.15	-774.97	1437.54	0.42	607259.85	617928.63	N 32 40 8.96 W 104 5 3.96	
	8946.00	81.77	68.96	8578.14	1569.63	-772.38	1535.50	0.50	607262.47	618024.58	N 32 40 8.99 W 104 5 2.83	
	9038.00	84.14	66.25	8654.48	1658.13	-769.82	1624.44	1.08	607265.02	618113.52	N 32 40 9.01 W 104 5 1.79	
	9129.00	86.51	63.75	8732.64	1748.55	-768.65	1715.37	0.65	607268.20	618204.44	N 32 40 9.04 W 104 5 0.73	
	9221.00	88.85	61.04	8812.04	1839.98	-763.52	1807.30	0.37	607271.33	618296.37	N 32 40 9.07 W 104 4 56.85	
	9312.00	91.27	58.92	8893.13	1932.41	-760.40	1898.23	0.30	607274.45	618387.28	N 32 40 9.10 W 104 4 58.59	
	9404.00	93.69	56.78	8974.56	2026.80	-758.87	1990.15	0.88	607277.98	618479.19	N 32 40 9.13 W 104 4 57.51	
	9494.00	96.11	54.67	9057.27	2122.81	-756.76	2082.12	1.80	607279.06	618569.17	N 32 40 9.14 W 104 4 57.16	
	9584.00	98.50	52.54	9142.39	2219.38	-754.68	2069.11	1.04	607280.19	618654.16	N 32 40 9.14 W 104 4 56.99	
	9674.00	100.88	50.41	9229.15	2317.38	-754.49	2056.11	4.57	607279.94	618740.15	N 32 40 9.15 W 104 4 56.80	
	9764.00	103.26	48.28	9318.16	2416.38	-754.43	2043.11	1.04	607280.19	618826.15	N 32 40 9.15 W 104 4 56.62	
	9854.00	105.64	46.15	9408.17	2516.32	-754.49	2030.11	3.83	607280.35	618911.15	N 32 40 9.15 W 104 4 56.44	
	9944.00	107.99	44.02	9500.18	2617.31	-754.43	2017.11	1.20	607280.42	618996.15	N 32 40 9.15 W 104 4 56.26	
	10034.00	110.24	41.89	9593.19	2719.31	-754.42	2104.11	2.67	607280.43	619081.15	N 32 40 9.15 W 104 4 56.08	
	10124.00	112.49	39.76	9688.20	2822.31	-754.49	2191.11	1.54	607280.35	619166.14	N 32 40 9.15 W 104 4 55.91	
	10214.00	114.74	37.63	9784.21	2926.31	-754.42	2278.11	1.16	607280.27	619251.14	N 32 40 9.15 W 104 4 55.72	
	10304.00	116.99	35.50	9880.22	3031.31	-754.42	2365.11	0.68	607280.21	619336.14	N 32 40 9.15 W 104 4 55.55	
	10394.00	119.24	33.37	9978.23	3137.31	-754.42	2452.11	0.54	607280.14	619421.14	N 32 40 9.15 W 104 4 55.38	
	10484.00	121.49	31.24	10078.24	3244.31	-754.42	2539.11	0.90	607280.24	619506.12	N 32 40 9.14 W 104 4 55.28	
	10574.00	123.74	29.11	10178.25	3351.31	-754.42	2626.11	0.71	607281.22	619591.10	N 32 40 9.15 W 104 4 55.20	
	10664.00	125.99	26.98	10278.26	3458.31	-754.42	2713.11	0.95	607282.15	619676.09	N 32 40 9.16 W 104 4 55.12	
	10754.00	128.24	24.85	10378.27	3565.31	-754.42	2800.11	0.98	607280.49	619761.08	N 32 40 9.14 W 104 4 54.98	
	10844.00	130.49	22.72	10478.28	3672.31	-754.42	2887.11	0.22	607278.39	619846.07	N 32 40 9.12 W 104 4 54.89	
	10934.00	132.74	20.59	10578.29	3779.31	-754.42	2974.11	0.07	607276.38	619931.06	N 32 40 9.09 W 104 4 54.79	
	11024.00	134.99	18.46	10678.30	3886.31	-754.42	3061.11	0.07	607274.36	619940.96	N 32 40 9.07 W 104 4 54.69	
	11114.00	137.24	16.33	10778.31	3993.31	-754.42	3148.11	0.18	607272.35	619949.86	N 32 40 9.05 W 104 4 54.58	
	11204.00	139.49	14.20	10878.32	4100.31	-754.42	3235.11	0.23	607270.34	619958.76	N 32 40 9.03 W 104 4 54.48	
	11294.00	141.74	12.07	10978.33	4207.31	-754.42	3322.11	0.45	607268.33	619967.66	N 32 40 9.01 W 104 4 54.37	
	11384.00	143.99	9.94	11078.34	4314.31	-754.42	3409.11	0.19	607266.32	619976.56	N 32 40 8.99 W 104 4 54.27	
	11474.00	146.24	7.81	11178.35	4421.31	-754.42	3496.11	0.25	607265.08	619985.46	N 32 40 8.97 W 104 4 54.16	
	11564.00	148.49	5.68	11278.36	4528.31	-754.42	3583.11	0.45	607263.73	619994.36	N 32 40 8.95 W 104 4 54.06	
	11654.00	150.74	3.55	11378.37	4635.31	-754.42	3670.11	0.45	607262.48	620003.26	N 32 40 8.94 W 104 4 53.96	
	11744.00	152.99	1.42	11478.38	4742.31	-754.42	3757.11	0.31	607261.14	620012.16	N 32 40 8.92 W 104 4 53.85	
	11834.00	155.24	0.29	11578.39	4849.31	-754.42	3844.11	0.23	607259.89	620021.06	N 32 40 8.91 W 104 4 53.74	
	11924.00	157.49	0.16	11678.40	4956.31	-754.42	3931.11	0.35	607258.64	620030.96	N 32 40 8.89 W 104 4 53.64	
	12014.00	159.74	0.03	11778.41	5063.31	-754.42	4018.11	0.78	607256.39	620040.86	N 32 40 8.87 W 104 4 53.53	
	12104.00	161.99	0.00	11878.42	5170.31	-754.42	4105.11	0.68	607255.14	620050.76	N 32 40 8.86 W 104 4 53.42	
	12194.00	164.24	0.00	11978.43	5277.31	-754.42	4192.11	0.83	607253.89	620060.66	N 32 40 8.85 W 104 4 53.31	
	12284.00	166.49	0.00	12078.44	5384.31	-754.42	4279.11	1.25	607252.64	620070.56	N 32 40 8.84 W 104 4 53.20	
	12374.00	168.74	0.00	12178.45	5491.31	-754.42	4366.11	0.73	607251.39	620080.46	N 32 40 8.84 W 104 4 53.09	
	12464.00	170.99	0.00	12278.46	5598.31	-754.42	4453.11	1.05	607250.14	620090.36	N 32 40 8.84 W 104 4 52.98	
	12554.00	173.24	0.00	12378.47	5705.31	-754.42	4540.11	0.37	607248.89	620100.26	N 32 40 8.84 W 104 4 52.87	
	12644.00	175.49	0.00	12478.48	5812.31	-754.42	4627.11	0.19	607247.64	620110.16	N 32 40 8.84 W 104 4 52.76	
	12734.00	177.74	0.00	12578.49	5919.31	-754.42	4714.11	0.27	607246.39	620120.06	N 32 40 8.84 W 104 4 52.65	
	12824.00	179.99	0.00	12678.50	6026.31	-754.42	4801.11	0.27	607245.14	620129.96	N 32 40 8.84 W 104 4 52.54	
	12914.00	182.24	0.00	12778.51	6133.31	-754.42	4888.11	0.29	607243.89	620139.86	N 32 40 8.84 W 104 4 52.43	
	13004.00	184.49	0.00	12878.52	6240.31	-754.42	4975.11	0.22	607242.64	620149.76	N 32 40 8.84 W 104 4 52.32	
	13094.00	186.74	0.00	12978.53	6347.31	-754.42	5062.11	0.29	607241.39	620159.66	N 32 40 8.84 W 104 4 52.21	
	13184.00	188.99	0.00	13078.54	6454.31	-754.42	5149.11	0.22	607240.14	620169.56	N 32 40 8.84 W 104 4 52.10	
	13274.00	191.24	0.00	13178.55	6561.31	-754.42	5236.11	0.67	607238.89	620179.46	N 32 40 8.84 W 104 4 52.00	
	13364.00	193.49	0.00	13278.56	6668.31	-754.42	5323.11	0.41	607237.64	620189.36	N 32 40 8.84 W 104 4 51.89	
	13454.00	195.74	0.00	13378.57	6775.31	-754.42	5410.11	0.52	607236.39	620199.26	N 32 40 8.84 W 104 4 51.78	
	13544.00	197.99	0.00	13478.58	6882.31	-754.42	5497.11	0.26	607235.14	620209.16	N 32 40 8.84 W 104 4 51.67	
	13634.00	200.24	0.00	13578.59	6989.31	-754.42	5584.11	0.14	607233.89	620219.06	N 32 40 8.84 W 104 4 51.56	
	13724.00	202.49	0.00	13678.60	7096.31	-754.42	5671.11	0.07	607232.64	620228.96	N 32 40 8.84 W 104 4 51.45	
	13814.00	204.74	0.00	13778.61	7203.31	-754.42	5758.11	0.23	607231.39	620238.86	N 32 40 8.84 W 104 4 51.34	
	13904.00	206.99	0.00	13878.62	7310.31	-754.42	5845.11	0.58	607230.14	620248.76	N 32 40 8.84 W 104 4 51.23	
	13994.00	209.24	0.00	13978.63	7417.31	-754.42	5932.11	0.37	607228.89	620258.66	N 32 40 8.84 W 104 4 51.12	
	14084.00	211.49	0.00</									

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (NS ° ' '')	Longitude (EW ° ' '')
	17800.00	88.32	93.55	7941.99	10210.81	-759.98	10182.50	1.84	607274.89	626670.84	N 32 40 8.90	W 104 3 21.68
	17894.00	88.35	92.57	7944.72	10304.75	-764.97	10276.33	1.04	607269.87	626764.88	N 32 40 8.84	W 104 3 20.58
	17883.00	88.38	92.16	7950.12	10463.56	-772.77	10465.09	0.22	607282.08	626953.40	N 32 40 8.76	W 104 3 18.37
	17910.00	88.63	91.72	7950.82	10520.52	-773.68	10492.06	1.87	607281.17	626980.38	N 32 40 8.75	W 104 3 18.06
Last Survey	17950.00	88.66	91.79	7951.77	10580.47	-774.91	10532.03	0.19	607259.94	627020.34	N 32 40 8.74	W 104 3 17.59
Proj. to TD	17990.00	88.66	91.79	7952.70	10600.42	-776.16	10572.00	0.00	607258.69	627060.31	N 32 40 8.73	W 104 3 17.12

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	14.590	1/98.425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Turkey Track 9-10 State 24H Gyro+MWD 0-17,990'
	1	14.590	26.501	Act Stns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Turkey Track 9-10 State 24H Gyro+MWD 0-17,990'
	1	26.501	7256.120	Act Stns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Turkey Track 9-10 State 24H Gyro+MWD
	1	7256.120	17990.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Turkey Track 9-10 State 24H Gyro+MWD



Geometry & Isopneustic Parameters			Buftube Location		NADES New Buftube State Plots, Eastern Zone, US East		Miscellaneous				
Model:	H08M J917	Dia:	60.488"	Date:	19-Dec-2017	Northing:	626344.778US	Elevation:	Day Turkey Trunk 6-10 State 1451	TVD Ref:	R02=26 FTM (+4.00 above MSL)
MagDec:	7.462°	F8:	48162.467mT	Gravity F8:	999.412mg (9.80665 Seced)	Eastng:	610469.325US	Buflr Grav:	6.121F	Parm:	Qty Turkey Trunk 6-10 State 1451 LBN 1 NOD17
						Lat:	N 89 40 16.66	Scale Fact:	0.99991368		
						Lon:	W 104 6 30.77				

