

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 20 2017

Schlumberger

Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

RECEIVED

Well Reference:
S9-T19S-R29E 1224 FSL 195 FWL
N 32.67145 W 104.08775

I, Kenny Fusilier certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of September 11, 2017 through October 13, 2017, conduct or supervise the taking of the SlimPulse & TelePacer surveys from a depth of 490.00 feet to a depth of 17732.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of OXY USA WTP LP for the Turkey Track 8 7 State 024H Well (Original Hole) API No. 30-015-44145 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Kenny Fusilier
FS



Subscribed and Sworn to before me this 23 day of October (month) 2017 (yr)

My Commission expires:

12-20-2020

J. Allemand
Notary Public

Adams County, Colorado
(County State)

(Signature)
JENNIFER ALLEMAND
Notary Public
State of Colorado
Notary ID # 20164047962
My Commission Expires 12-20-2020

Oxy Turkey Track 8-7 State 24H Gyro+MWD 0-17,770' MD Survey Geodetic Report

(Def Survey)



Report Date: October 16, 2017 - 10:25 AM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Turkey Track 8-7 State 24H / Oxy Turkey Track 8-7 State 24H
Well: Oxy Turkey Track 8-7 State 24H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Oxy Turkey Track 8-7 State 24H Gyro+MWD 0-17,770' MD
Survey Date: September 06, 2017
Tort / AHD / ODI / ERD Ratio: 213.250 * / 10952.001 ft / 8.721 / 1.388
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 40' 17.23659", E 104° 5' 15.91864"
Location Grid N/E Y/X: N 608093.690 NUS, E 616904.070 NUS
CRS Grid Convergence Angle: 0.1326 °
Grid Scale Factor: 0.99991563
Version / Patch: 2.10.565.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 266.098 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB=26.5'
TVD Reference Elevation: 3406.200 ft above MSL
Seabed / Ground Elevation: 3379.700 ft above MSL
Magnetic Declination: 7.463 °
Total Gravity Field Strength: 998.5132mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48176.358 nT
Magnetic Dip Angle: 60.502 °
Declination Date: September 06, 2017
Magnetic Declination Model: HDGM 2017
North Reference: Grid North
Grid Convergence Used: 0.1326 °
Total Corr Mag North->Grid North: 7.3306 °
Local Coord Reference 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 ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	608093.69	616904.07	N 32 40 17.24 W 104	5 15.92
Last Gyro	84.00	0.50	145.23	84.00	-0.19	-0.30	0.21	0.60	608093.39	616904.28	N 32 40 17.23 W 104	5 15.91
	175.00	0.50	128.23	175.00	-0.69	-0.87	0.75	0.16	608092.82	616904.82	N 32 40 17.23 W 104	5 15.91
	267.00	0.60	142.23	266.99	-1.25	-1.50	1.36	0.18	608092.19	616905.43	N 32 40 17.22 W 104	5 15.90
	380.00	0.80	145.23	379.98	-1.99	-2.62	2.17	0.18	608091.07	616906.24	N 32 40 17.21 W 104	5 15.89
	490.00	0.62	157.32	489.97	-2.57	-3.80	2.84	0.21	608089.89	616906.91	N 32 40 17.20 W 104	5 15.88
	582.00	0.68	131.63	581.97	-3.12	-4.62	3.44	0.32	608089.07	616907.51	N 32 40 17.19 W 104	5 15.88
	673.00	0.84	124.26	672.96	-4.02	-5.35	4.39	0.21	608088.34	616908.46	N 32 40 17.18 W 104	5 15.87
	765.00	1.08	123.66	764.95	-5.24	-6.21	5.67	0.26	608087.48	616909.74	N 32 40 17.17 W 104	5 15.85
	857.00	1.20	117.97	856.93	-6.74	-7.15	7.24	0.18	608086.54	616911.31	N 32 40 17.17 W 104	5 15.83
	946.00	1.03	122.80	945.91	-8.17	-8.02	8.74	0.22	608085.67	616912.81	N 32 40 17.16 W 104	5 15.81
	1041.00	0.99	115.04	1040.90	-9.58	-8.83	10.20	0.15	608084.86	616914.27	N 32 40 17.15 W 104	5 15.80
	1132.00	0.96	103.60	1131.88	-10.99	-9.34	11.65	0.22	608084.35	616915.72	N 32 40 17.14 W 104	5 15.78
	1224.00	1.03	94.49	1223.87	-12.54	-9.58	13.23	0.19	608084.11	616917.30	N 32 40 17.14 W 104	5 15.76
	1411.00	0.92	71.95	1410.84	-15.66	-9.25	16.33	0.21	608084.44	616920.40	N 32 40 17.14 W 104	5 15.73
	1505.00	0.85	62.87	1504.83	-17.04	-8.70	17.67	0.17	608084.99	616921.74	N 32 40 17.15 W 104	5 15.71
	1600.00	0.95	64.70	1599.82	-18.42	-8.04	19.01	0.11	608085.65	616923.08	N 32 40 17.16 W 104	5 15.69
	1694.00	0.90	44.55	1693.81	-19.69	-7.18	20.23	0.35	608086.51	616924.30	N 32 40 17.17 W 104	5 15.68
	1788.00	0.83	37.46	1787.80	-20.70	-6.12	21.16	0.14	608087.57	616925.23	N 32 40 17.18 W 104	5 15.67
	1978.00	0.73	15.84	1977.78	-22.01	-3.86	22.33	0.16	608089.83	616926.40	N 32 40 17.20 W 104	5 15.66
	2072.00	0.84	15.34	2071.77	-22.44	-2.62	22.67	0.12	608091.07	616926.74	N 32 40 17.21 W 104	5 15.65
	2167.00	0.71	21.74	2166.76	-22.93	-1.40	23.08	0.16	608092.29	616927.15	N 32 40 17.22 W 104	5 15.65
	2261.00	0.60	19.17	2260.76	-23.37	-0.39	23.45	0.12	608093.30	616927.52	N 32 40 17.23 W 104	5 15.64
	2356.00	0.66	359.41	2355.75	-23.60	0.62	23.61	0.24	608094.31	616927.68	N 32 40 17.24 W 104	5 15.64
	2451.00	0.73	14.24	2450.75	-23.82	1.76	23.76	0.20	608095.45	616927.82	N 32 40 17.25 W 104	5 15.64
	2545.00	0.45	16.26	2544.74	-24.13	2.69	24.01	0.30	608096.38	616928.07	N 32 40 17.26 W 104	5 15.64
	2640.00	1.21	173.60	2639.73	-24.31	2.05	24.22	1.72	608095.74	616928.29	N 32 40 17.26 W 104	5 15.63
	2734.00	2.82	180.85	2733.67	-24.16	-1.25	24.30	1.73	608092.44	616928.37	N 32 40 17.22 W 104	5 15.63
	2829.00	4.36	178.05	2828.48	-23.84	-7.19	24.39	1.63	608086.50	616928.45	N 32 40 17.16 W 104	5 15.63
	2915.00	5.78	179.59	2914.15	-23.47	-14.79	24.53	1.66	608078.90	616928.60	N 32 40 17.09 W 104	5 15.63
	3057.00	7.39	181.92	3055.20	-22.10	-31.07	24.27	1.15	608062.62	616928.34	N 32 40 16.93 W 104	5 15.63
	3151.00	7.03	181.69	3148.46	-20.93	-42.86	23.90	0.38	608050.83	616927.97	N 32 40 16.81 W 104	5 15.64
	3340.00	7.85	187.30	3335.87	-17.30	-67.22	21.92	0.58	608026.47	616925.99	N 32 40 16.57 W 104	5 15.66
	3434.00	8.96	197.30	3428.86	-13.40	-80.58	18.93	1.95	608013.12	616923.00	N 32 40 16.44 W 104	5 15.70
	3529.00	10.37	206.74	3522.52	-6.37	-95.28	12.88	2.23	607996.42	616916.95	N 32 40 16.29 W 104	5 15.77
	3624.00	10.94	209.74	3615.88	2.99	-110.75	4.56	0.84	607982.95	616908.63	N 32 40 16.14 W 104	5 15.87
	3719.00	12.62	211.99	3708.88	14.06	-127.38	-5.41	1.83	607966.33	616898.66	N 32 40 15.98 W 104	5 15.98
	3908.00	16.50	213.99	3891.78	42.66	-167.16	-31.36	2.07	607926.55	616872.71	N 32 40 15.58 W 104	5 16.29
	4002.00	17.62	213.39	3981.64	59.48	-190.10	-46.65	1.21	607903.60	616857.42	N 32 40 15.36 W 104	5 16.47
	4096.00	19.22	206.83	4070.83	76.01	-215.79	-61.47	2.78	607877.92	616842.61	N 32 40 15.10 W 104	5 16.64
	4284.00	17.63	187.80	4249.35	97.62	-271.67	-79.32	3.29	607822.05	616824.76	N 32 40 14.55 W 104	5 16.85
4379.00	15.17	179.63	4340.49	101.30	-298.36	-81.19	3.54	607795.36	616822.89	N 32 40 14.29 W 104	5 16.87	
4473.00	13.51	177.70	4431.58	102.37	-321.63	-80.67	1.84	607772.09	616823.41	N 32 40 14.06 W 104	5 16.87	
4568.00	12.34	177.77	4524.15	102.98	-342.86	-79.83	1.23	607750.86	616824.25	N 32 40 13.85 W 104	5 16.86	
4663.00	11.36	176.82	4617.12	103.39	-362.35	-78.92	1.05	607731.37	616825.16	N 32 40 13.65 W 104	5 16.85	
4757.00	9.97	177.36	4709.50	103.69	-379.72	-78.03	1.48	607714.00	616826.05	N 32 40 13.48 W 104	5 16.84	
4852.00	9.28	178.14	4803.16	104.14	-395.59	-77.40	0.74	607698.13	616826.68	N 32 40 13.32 W 104	5 16.83	
4946.00	9.92	185.74	4895.85	105.77	-411.22	-77.96	1.51	607682.50	616826.11	N 32 40 13.17 W 104	5 16.84	
5139.00	10.76	195.57	5085.72	114.56	-445.12	-84.46	1.01	607648.61	616819.61	N 32 40 12.83 W 104	5 16.92	
5328.00	10.37	192.85	5271.52	125.34	-478.70	-92.98	0.33	607615.03	616811.10	N 32 40 12.50 W 104	5 17.02	
5423.00	11.07	195.41	5364.86	130.82	-495.83	-97.31	0.89	607597.90	616806.77	N 32 40 12.33 W 104	5 17.07	
5517.00	10.76	195.57	5457.16	136.73	-512.98	-102.06	0.33	607580.75	616802.02	N 32 40 12.16 W 104	5 17.12	
5706.00	10.06	193.90	5643.05	147.66	-546.00	-110.76	0.40	607547.73	616793.32	N 32 40 11.84 W 104	5 17.23	
5892.00	10.06	192.75	5826.19	157.28	-577.62	-118.25	0.11	607516.12	616785.83	N 32 40 11.52 W 104	5 17.32	
5987.00	9.72	193.49	5919.78	162.06	-593.51	-121.95	0.38	607500.23	616782.13	N 32 40 11.37 W 104	5 17.36	
6081.00	9.98	197.59	6012.39	167.41	-608.99	-126.26	0.80	607484.75	616777.82	N 32 40 11.21 W 104	5 17.41	
6176.00	9.91	199.71	6105.97	173.70	-624.53	-131.51	0.39	607469.21	616772.57	N 32 40 11.06 W 104	5 17.47	
6270.00	8.88	197.31	6198.71	179.57	-639.08	-136.40	1.17	607454.67	616767.69	N 32 40 10.92 W 104	5 17.53	
6365.00	6.98	193.06	6292.79	183.90	-651.70	-139.88	2.09	607442.05	616764.20	N 32 40 10.79 W 104	5 17.57	
6459.00	7.93	200.14	6386.00	188.21	-663.35	-143.41	1.40	607430.40	616760.68	N 32 40 10.68 W 104	5 17.61	
6554.00	8.47	210.80	6480.03	194.87	-675.51	-149.24	1.70	607418.23	616754.84	N 32 40 10.56 W 104	5 17.68	
6648.00	8.32	218.85	6573.03	203.42	-686.76	-157.06	1.26	607406.99	616747.03	N 32 40 10.45 W 104	5 17.77	
6743.00	7.63	218.30	6667.11	212.33	-697.06	-165.26	0.73	607396.69	616738.81	N 32 40 10.34 W 104	5 17.87	
6838.00	7.44	224.32	6761.29	221.15	-706.41	-173.48	0.85	607387.34	616730.60	N 32 40 10.25 W 104	5 17.97	
6933.00	7.66	235.03	6855.47	231.16	-714.44	-182.97	1.50	607379.31	616721.12	N 32 40 10.17 W 104	5 18.08	
7027.00	8.02	241.79	6948.60	242.50	-721.13	-193.88	1.05	607372.62	616710.21	N 32 40 10.11 W 104	5 18.20	
7122.00	7.88	245.41	7042.68	254.63	-726.97	-205.64	0.55	607366.78	616698.44	N 32 40 10.05 W 104	5 18.34	
7217.00	8.12	249.48	7136.76	267.16	-732.04	-217.85	0.65	607361.72	616686.24	N 32 40 10.00 W 104	5 18.48	
7311.00	7.39	259.54	7229.90	279.52	-735.46	-230.01	1.64	607358.29	616674.08	N 32 40 9.96 W 104	5 18.63	
7382.00	6.75	269.62	7300.37	288.23	-736.32	-238.67	1.96	607357.44	616665.42	N 32 40 9.96 W 104	5 18.73	
7477.00	13.45	271.74	7393.84	304.81	-738.02	-255.32	7.06	607357.74	616648.77	N 32 40 9.96 W 104	5 18.92	
7571.00	21.78	270.74	7483.36	333.12	-735.46	-283.73	8.87	607358.29	616620.36	N 32 40 9.97 W 104	5 19.26	
7666.00	36.34	267.47	7566.18	379.08	-736.48	-329.73	15.41	607357.27	616574.37	N 32 40 9.96 W 104	5 19.79	
7760.00	47.20	268.34	7636.18	441.57	-738.72	-392.21	11.57	607355.04	616511.89	N 32 40 9.94 W 104	5 20.52	
7855.00	52.82	267.18	7697.21	514.29	-741.59	-464.91	5.99	607352.16	616439.20	N 32 40 9.91 W 104	5 21.38	
7949.00	56.86	268.00	7751.33	591.10	-744.81	-541.67	4.36	607348.95	616362.45	N 32 40 9.88 W 104	5 22.27	
8044.00	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 ° ' ")
	8328.00	86.91	271.71	7888.59	937.37	-739.49	-889.11	10.54	607354.26	618015.04	N 32 40 9.94 W 104 5 26.34	
	8384.00	87.66	271.53	7891.24	993.04	-737.91	-945.02	1.38	607355.84	615959.13	N 32 40 9.98 W 104 5 26.99	
	8479.00	90.17	270.76	7893.04	1087.65	-736.02	-1039.98	2.76	607357.74	615864.18	N 32 40 9.98 W 104 5 28.10	
	8574.00	91.79	269.75	7891.42	1182.38	-735.59	-1134.96	2.01	607358.16	615789.21	N 32 40 9.98 W 104 5 29.21	
	8668.00	90.69	270.52	7889.38	1276.12	-735.37	-1228.93	1.43	607358.38	615875.24	N 32 40 9.99 W 104 5 30.31	
	8763.00	90.79	270.87	7888.16	1370.81	-734.22	-1323.92	0.38	607359.53	615580.27	N 32 40 10.00 W 104 5 31.42	
	8857.00	90.59	270.99	7887.02	1464.47	-732.89	-1417.90	0.25	607361.06	615486.29	N 32 40 10.02 W 104 5 32.52	
	8952.00	90.72	271.27	7885.94	1559.10	-730.82	-1512.87	0.32	607362.93	615391.33	N 32 40 10.04 W 104 5 33.63	
	9047.00	91.89	271.10	7883.77	1653.70	-728.86	-1607.83	1.24	607364.90	615296.38	N 32 40 10.06 W 104 5 34.74	
	9141.00	90.65	270.86	7881.69	1747.34	-727.41	-1701.79	1.40	607366.34	615202.43	N 32 40 10.08 W 104 5 35.84	
	9236.00	91.13	271.40	7880.22	1841.98	-725.70	-1796.78	0.93	607368.05	615107.46	N 32 40 10.10 W 104 5 36.95	
	9330.00	91.10	270.97	7878.39	1935.59	-723.76	-1890.72	0.46	607369.99	615013.51	N 32 40 10.12 W 104 5 38.05	
	9424.00	91.34	271.42	7876.38	2029.20	-721.80	-1984.68	0.54	607371.95	614919.58	N 32 40 10.14 W 104 5 39.15	
	9519.00	91.24	269.73	7874.25	2123.88	-720.85	-2079.65	1.78	607372.90	614824.60	N 32 40 10.15 W 104 5 40.26	
	9704.00	91.17	269.47	7870.36	2308.49	-722.14	-2284.60	0.15	607371.61	614639.66	N 32 40 10.14 W 104 5 42.43	
	9797.00	91.07	269.51	7869.54	2401.31	-722.97	-2357.58	0.12	607370.79	614546.99	N 32 40 10.14 W 104 5 43.52	
	9887.00	91.55	269.35	7866.48	2491.14	-723.86	-2447.55	0.56	607369.89	614456.73	N 32 40 10.13 W 104 5 44.57	
	9979.00	90.89	268.85	7864.52	2582.99	-725.31	-2539.52	0.90	607368.45	614364.77	N 32 40 10.12 W 104 5 45.64	
	10071.00	90.76	269.01	7863.20	2674.87	-727.02	-2631.50	0.22	607366.73	614272.80	N 32 40 10.10 W 104 5 46.72	
	10163.00	91.13	269.07	7861.68	2766.73	-728.57	-2723.47	0.41	607365.19	614180.83	N 32 40 10.09 W 104 5 47.80	
	10255.00	91.03	268.85	7859.94	2858.60	-730.24	-2815.44	0.26	607363.52	614088.87	N 32 40 10.07 W 104 5 48.87	
	10347.00	90.58	268.92	7858.65	2950.49	-732.03	-2907.41	0.50	607361.73	613996.91	N 32 40 10.06 W 104 5 49.95	
	10438.00	91.24	269.87	7857.21	3041.32	-732.99	-2998.39	1.27	607360.77	613905.94	N 32 40 10.05 W 104 5 51.01	
	10529.00	91.20	269.47	7855.27	3132.12	-733.51	-3089.37	0.44	607360.24	613814.97	N 32 40 10.05 W 104 5 52.08	
	10624.00	91.65	269.26	7852.91	3226.94	-734.56	-3184.34	0.52	607359.19	613720.01	N 32 40 10.04 W 104 5 53.19	
	10719.00	91.75	269.05	7850.09	3321.76	-735.96	-3279.28	0.24	607357.79	613625.07	N 32 40 10.03 W 104 5 54.30	
	10814.00	91.79	269.02	7847.15	3416.59	-737.56	-3374.23	0.05	607356.19	613530.14	N 32 40 10.01 W 104 5 55.41	
	10906.00	91.72	269.26	7844.28	3510.42	-738.97	-3468.17	0.27	607354.78	613436.20	N 32 40 10.00 W 104 5 56.51	
	11003.00	92.06	269.01	7841.14	3605.23	-740.41	-3563.11	0.44	607353.35	613341.27	N 32 40 9.99 W 104 5 57.62	
	11097.00	91.20	268.55	7838.47	3699.09	-742.41	-3657.05	1.04	607351.35	613247.34	N 32 40 9.97 W 104 5 58.72	
	11192.00	91.89	269.23	7835.91	3793.94	-744.25	-3751.99	1.02	607349.51	613152.40	N 32 40 9.96 W 104 5 59.83	
	11286.00	91.38	268.25	7833.23	3887.76	-745.49	-3845.95	0.54	607348.26	613058.46	N 32 40 9.95 W 104 6 0.93	
	11381.00	91.38	270.47	7830.94	3982.53	-745.72	-3940.92	1.28	607348.03	612963.49	N 32 40 9.95 W 104 6 2.04	
	11475.00	91.34	271.22	7828.71	4076.18	-744.34	-4034.88	0.80	607349.42	612869.54	N 32 40 9.96 W 104 6 3.14	
	11570.00	91.45	270.90	7826.39	4170.79	-742.58	-4129.84	0.36	607351.17	612774.59	N 32 40 9.98 W 104 6 4.25	
	11665.00	91.82	270.67	7823.68	4265.44	-741.28	-4224.79	0.46	607352.47	612679.65	N 32 40 10.00 W 104 6 5.36	
	11759.00	91.72	271.04	7820.78	4359.07	-739.88	-4318.73	0.41	607353.87	612585.71	N 32 40 10.01 W 104 6 6.46	
	11854.00	92.61	271.58	7817.19	4453.61	-737.71	-4413.64	1.10	607356.04	612490.81	N 32 40 10.04 W 104 6 7.57	
	11948.00	91.41	270.60	7813.89	4547.19	-735.92	-4507.56	1.65	607357.83	612396.90	N 32 40 10.06 W 104 6 8.67	
	12042.00	91.93	271.33	7811.15	4640.81	-734.34	-4601.51	0.95	607359.41	612302.96	N 32 40 10.07 W 104 6 9.77	
	12137.00	91.24	270.67	7808.53	4735.43	-732.88	-4696.45	1.00	607361.07	612208.02	N 32 40 10.09 W 104 6 10.88	
	12231.00	91.14	270.98	7806.57	4829.09	-731.33	-4790.42	0.35	607362.42	612114.06	N 32 40 10.11 W 104 6 11.98	
	12326.00	91.24	270.54	7804.60	4923.75	-730.07	-4885.39	0.47	607363.68	612019.10	N 32 40 10.12 W 104 6 13.09	
	12421.00	91.20	271.06	7802.58	5018.41	-728.74	-4980.36	0.55	607365.01	611924.14	N 32 40 10.14 W 104 6 14.20	
	12515.00	91.70	270.40	7801.45	5112.09	-727.55	-5074.35	1.30	607366.21	611830.16	N 32 40 10.15 W 104 6 15.30	
	12610.00	89.59	269.75	7801.57	5206.86	-727.42	-5169.35	0.85	607366.33	611735.17	N 32 40 10.15 W 104 6 16.41	
	12704.00	91.41	270.54	7800.67	5300.62	-727.18	-5263.34	2.01	607366.57	611641.19	N 32 40 10.16 W 104 6 17.51	
	12798.00	91.31	270.80	7798.44	5394.30	-726.09	-5357.30	0.30	607367.67	611547.23	N 32 40 10.17 W 104 6 18.61	
	12893.00	91.85	270.44	7795.98	5488.97	-725.06	-5452.27	0.52	607368.70	611452.27	N 32 40 10.18 W 104 6 19.72	
	12987.00	91.31	271.04	7793.56	5583.63	-723.84	-5546.23	0.73	607369.91	611358.32	N 32 40 10.20 W 104 6 20.82	
	13082.00	91.10	270.77	7791.56	5677.27	-722.34	-5641.19	0.36	607371.41	611263.38	N 32 40 10.21 W 104 6 21.93	
	13176.00	92.20	270.33	7788.85	5770.95	-721.44	-5735.15	1.26	607372.31	611169.42	N 32 40 10.22 W 104 6 23.03	
	13268.00	91.48	270.12	7782.75	5860.36	-720.70	-5825.05	0.39	607373.06	610979.53	N 32 40 10.24 W 104 6 24.15	
	13460.00	91.24	270.42	7780.52	5954.06	-720.25	-5919.02	0.41	607373.50	610885.57	N 32 40 10.24 W 104 6 25.25	
	13555.00	91.31	270.48	7778.41	6048.78	-719.52	-6013.99	0.06	607374.23	610790.60	N 32 40 10.25 W 104 6 26.35	
	13649.00	91.62	270.36	7776.00	6142.49	-718.85	-6107.96	0.35	607374.90	610696.64	N 32 40 10.26 W 104 6 27.46	
	13744.00	91.00	270.50	7773.83	6237.19	-718.14	-6202.93	0.67	607375.61	610601.68	N 32 40 10.27 W 104 6 28.56	
	13838.00	91.20	271.15	7770.49	6331.89	-717.42	-6297.90	0.39	607376.32	610506.72	N 32 40 10.28 W 104 6 29.67	
	13933.00	90.69	271.20	7767.37	6426.59	-716.71	-6392.87	0.27	607377.03	610411.76	N 32 40 10.29 W 104 6 30.77	
	14028.00	90.76	271.31	7764.17	6521.29	-716.00	-6487.84	0.14	607377.74	610316.80	N 32 40 10.30 W 104 6 31.87	
	14123.00	90.17	268.63	7761.92	6616.00	-715.29	-6582.81	1.45	607378.45	610221.84	N 32 40 10.31 W 104 6 32.97	
	14218.00	90.62	268.71	7759.68	6710.71	-714.58	-6677.78	0.48	607379.16	610126.88	N 32 40 10.32 W 104 6 34.07	
	14313.00	91.89	269.18	7757.43	6805.42	-713.87	-6772.75	1.44	607380.04	609931.92	N 32 40 10.33 W 104 6 35.17	
	14408.00	91.41	268.65	7755.18	6900.13	-713.16	-6867.72	0.38	607379.92	609836.96	N 32 40 10.34 W 104 6 36.27	
	14503.00	91.79	269.35	7752.93	6994.84	-712.45	-6962.69	0.42	607379.80	609741.99	N 32 40 10.35 W 104 6 37.37	
	14598.00	90.89	268.44	7750.68	7089.55	-711.74	-7057.66	1.88	607379.68	609647.03	N 32 40 10.36 W 104 6 38.47	
	15243.00	91.45	270.42	7744.90	7184.26	-711.03	-7152.63	1.44	607379.56	609552.07	N 32 40 10.37 W 104 6 39.57	
	15337.00	91.69	270.72	7742.65	7278.97	-710.32	-7247.60	0.41	607379.44	609457.11	N 32 40 10.38 W 104 6 40.67	
	15526.00	91.44	270.74	7740.40	7373.68	-710.01	-7342.57	0.13	607379.32	609362.15	N 32 40 10.39 W 104 6 41.77	
	15716.00	91.55	271.30	7732.21	7468.39	-709.30	-7437.54	0.30	607379.20	609267.19	N 32 40 10.40 W 104 6 42.87	
	15810.00	91.41	270.93	7729.78	7563.10	-708.59	-7532.51	0.42	607379.08	609172.23	N 32 40 10.41 W 104 6 43.97	
	15999.00	91.86	270.82	7727.35	7657.81	-707.88	-7627.48	0.29	607378.96	609077.27	N 32 40 10.42 W 104 6 45.07	
	16188.00	92.20	271.15	7719.89	7752.52	-707.17	-7722.45	0.33	607378.84	608982.31	N 32 40 10.43 W 104 6 46.17	
	16377.00	92.20	271.03	7717.44	7847.23	-706.46	-7817.42	0.06	607378.72	608887.35	N 32 40 10.44 W 104 6 47.27	
	16472.00	91.96	270.32	7715.00	7941.94	-705.75	-7912.39	0.79	607378.60	608792.39	N 32 40 10.45 W 104 6 48.37	
	16566.00	91.75	271.28	7712.55	8036.65	-705.04	-8007.36	1.04	607378.48	608697.43	N 32 40 10.46 W 104 6 49.47	
	1665											

Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

October 23, 2017

OXY USA WTP LP
PO Box 4294
Houston, TX 77210

Re:

S9-T19S-R29E 1224 FSL 195 FWL
N 32.67145 W 104.08775

CLIENT: OXY USA WTP LP
WELL: Turkey Track 8 7 State 024H
FIELD: Trukey Track; Bone Springs

RIG: H&P 617
COUNTY: Eddy
API NO: 30-015-44145
JOB NO: 17MLD3063

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Kenny Fusilier FS	Turkey Track 8 7 State 024H Original Hole	490.00 Ft to 17732.00 Ft	September 11, 2017 to October 13, 2017	SlimPulse TelePacer

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Mike Stephens
Field Service Manager



Borehole:

Original Borehole

Gravity & Magnetic Parameters
Model: H03M 2017
MagDec: 7.65°

Dip: 49.3°
PS: 48.95, 234.7

Date: 25-Sep-2017
Gravity ID: 988.13 (mgals Based)

Well:

Oxy Turkey Track 8-7 State 24H

Surface Location
Loc: N 32.48 17.24
W 104.5 15.52

Grid Count:
Scale Factor

Grid Count:
Scale Factor

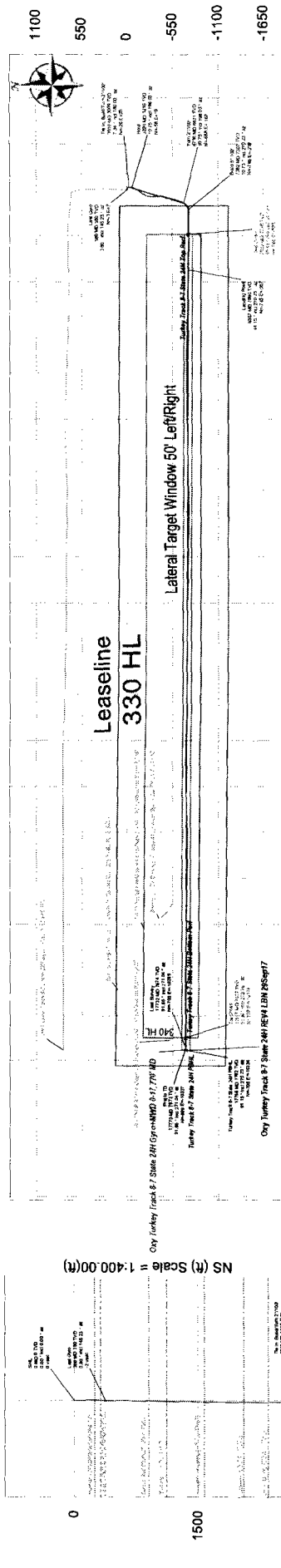
Field:

NM Eddy County (NAD 83)

Well Name: Oxy Turkey Track 8-7 State 24H
Well ID: 988.13 (mgals Based)
Well Type: Oxy Turkey Track 8-7 State 24H
Well Status: Active

Structure:

Oxy Turkey Track 8-7 State 24H



NS (ft) Scale = 1:400.00 (ft)

EW (ft) Scale = 1:400.00 (ft)

TVD (ft) Scale = 1:400.00 (ft)

Critical Point	MD	INCL	AZIM	TVD	VSEC	NO(SH)	E+YWH	DLS
Surface	250.01	0.85	140.52	250.00	-1.15	-1.37	1.25	0.15
Stable	320.01	0.89	143.85	320.00	-1.15	-1.37	1.25	0.15
Turn	350.01	1.11	152.40	350.00	-1.15	-1.37	1.25	0.15
Seven Rivers	351.18	0.83	151.00	351.00	-1.15	-1.37	1.25	0.15
Churn	350.22	0.81	155.44	350.00	-1.15	-1.37	1.25	0.15
Clayburg	241.25	0.65	156.00	241.00	-1.15	-1.37	1.25	0.15
San Antonio	240.45	3.98	175.34	240.00	-1.15	-1.37	1.25	0.15
Delaware	210.39	8.75	188.96	210.00	-1.15	-1.37	1.25	0.15
Hold	323.41	10.75	196.03	323.00	-1.15	-1.37	1.25	0.15
Bone Spring	487.30	10.75	196.03	487.00	-1.15	-1.37	1.25	0.15
Turn 27100'	478.33	10.75	196.03	478.00	-1.15	-1.37	1.25	0.15
Copas	478.33	10.75	196.03	478.00	-1.15	-1.37	1.25	0.15
Bald Fingert	738.68	10.73	270.23	738.00	-1.15	-1.37	1.25	0.15
2nd Bone Spring	776.62	41.45	270.23	776.00	-1.15	-1.37	1.25	0.15
FPP Cross	738.53	55.12	270.23	738.00	-1.15	-1.37	1.25	0.15
Landing Point	838.91	91.15	270.23	838.00	-1.15	-1.37	1.25	0.15
Working	838.91	91.15	270.23	838.00	-1.15	-1.37	1.25	0.15

Grid North
Tot Corr (M-G 7.325°)
Mag Dec (7.458°)
Grid Conv (0.133°)

CONTROLLED

1	Originator	
2	DE Sign Off Authority	
3	DAM Line Manager	
4	Client	

Vertical Section (ft) Azim = 266.10° Scale = 1:400.00 (ft) Origin = ON-S, OE-W