

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 20 2017

RECEIVED

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)

Well Reference:

I, Jose Vargas certify that: I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of September 19, 2017 through September 28, 2017, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 506.00 feet to a depth of 17907.00 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 023H Well (Original Hole) API No. 30-015-44143 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
Jose Vargas
FE

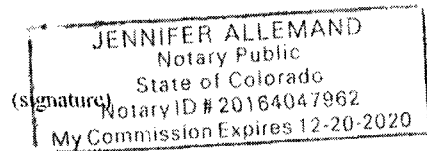
Subscribed and Sworn to before me this 10th day of November (month) 2017 (yr)

My Commission expires:

12-20-2020

J. Allemand
Notary Public

Adams County Colorado
(County State)



Oxy Turkey Track 8-7 State 23H Gyro+MWD 0-17,945' MD Survey Geodetic Report

(Def Survey)



Report Date: September 28, 2017 - 11:50 AM Client: OXY Field: NM Eddy County (NAD 83) Structure / Slot: Oxy Turkey Track 8-7 State 23H / Oxy Turkey Track 8-7 State 23H Well: Oxy Turkey Track 8-7 State 23H Borehole: Original Borehole UWI / API#: Unknown / Unknown Survey Name: Oxy Turkey Track 8-7 State 23H Gyro+MWD 0-17,945' MD Survey Date: September 06, 2017 Tort / AHD / DDI / ERD Ratio: 177.540' / 10954.372 ft / 6.647' / 1.391 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 40' 17.5345", W 104° 5' 15.9167" Location Grid N/E Y/X: N 608123.690 ftUS, E 616903.990 ftUS CRS Grid Convergence Angle: 0.1326° Grid Scale Factor: 0.99991563 Version / Patch: 2.10.544.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 274.059° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB=28.5' TVD Reference Elevation: 3407.500 ft above MSL Seabed / Ground Elevation: 3381.000 ft above MSL Magnetic Declination: 7.463° Total Gravity Field Strength: 998.5131 mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 48176.349 nT Magnetic Dip Angle: 60.502° Declination Date: September 06, 2017 Magnetic Declination Model: HDGM 2017 North Reference: Gnd North Grid Convergence Used: 0.1326° Total Corr Mag North->Grid North: 7.3306° 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 ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	608123.69	616903.99	N 32 40 17.53 W 104 5 15.92	
Last Gyro	113.00	0.70	249.23	113.00	0.63	-0.24	-0.65	0.62	608123.45	616903.34	N 32 40 17.53 W 104 5 15.92	
	205.00	0.80	336.23	204.99	1.44	0.14	-1.43	1.13	608123.83	616902.56	N 32 40 17.53 W 104 5 15.93	
	299.00	0.60	290.23	298.99	2.22	0.91	-2.16	0.61	608124.60	616901.83	N 32 40 17.54 W 104 5 15.94	
	380.00	0.50	312.23	379.98	2.90	1.30	-2.82	0.29	608124.99	616901.17	N 32 40 17.55 W 104 5 15.95	
	506.00	0.48	326.53	505.98	3.65	2.11	-3.51	0.10	608125.80	616900.48	N 32 40 17.55 W 104 5 15.96	
	689.00	0.38	352.53	688.97	4.24	3.35	-4.02	0.12	608127.04	616899.97	N 32 40 17.57 W 104 5 15.96	
	873.00	0.53	17.07	872.97	4.17	4.77	-3.85	0.13	608128.46	616900.15	N 32 40 17.58 W 104 5 15.96	
	1057.00	0.55	26.94	1056.96	3.64	6.37	-3.20	0.05	608130.06	616900.80	N 32 40 17.60 W 104 5 15.95	
	1118.00	0.63	22.52	1117.96	3.42	6.94	-2.93	0.15	608130.63	616901.06	N 32 40 17.60 W 104 5 15.95	
	1209.00	0.78	17.30	1208.95	3.12	7.99	-2.56	0.18	608131.68	616901.43	N 32 40 17.61 W 104 5 15.95	
	1302.00	0.74	22.95	1301.94	2.78	9.15	-2.14	0.09	608132.84	616901.85	N 32 40 17.62 W 104 5 15.95	
	1396.00	0.79	23.53	1395.93	2.37	10.30	-1.64	0.05	608133.99	616902.35	N 32 40 17.64 W 104 5 15.93	
	1491.00	0.98	16.85	1490.92	1.97	11.68	-1.14	0.23	608135.37	616902.85	N 32 40 17.65 W 104 5 15.93	
	1585.00	0.92	11.31	1584.91	1.69	13.19	-0.76	0.12	608136.88	616903.23	N 32 40 17.66 W 104 5 15.93	
	1680.00	0.92	8.15	1679.90	1.54	14.69	-0.50	0.05	608138.38	616903.49	N 32 40 17.68 W 104 5 15.92	
	1868.00	1.10	4.87	1867.87	1.41	17.99	-0.14	0.10	608141.67	616903.85	N 32 40 17.71 W 104 5 15.92	
	1963.00	1.05	7.17	1962.85	1.35	19.76	0.05	0.07	608143.45	616904.04	N 32 40 17.73 W 104 5 15.94	
	2058.00	1.17	359.51	2057.83	1.38	21.59	0.15	0.20	608145.28	616904.14	N 32 40 17.75 W 104 5 15.91	
	2247.00	1.19	2.31	2246.79	1.59	25.48	0.21	0.03	608149.17	616904.20	N 32 40 17.79 W 104 5 15.91	
	2341.00	1.18	0.91	2340.77	1.68	27.43	0.27	0.03	608151.11	616904.26	N 32 40 17.80 W 104 5 15.91	
	2438.00	1.24	358.03	2435.75	1.84	29.43	0.25	0.09	608153.12	616904.24	N 32 40 17.82 W 104 5 15.91	
	2531.00	1.29	357.29	2530.73	2.07	31.53	0.16	0.08	608155.21	616904.15	N 32 40 17.85 W 104 5 15.91	
	2625.00	1.29	355.21	2624.70	2.36	33.64	0.02	0.05	608157.32	616904.01	N 32 40 17.87 W 104 5 15.92	
	2720.00	1.30	353.56	2719.68	2.72	35.77	-0.19	0.04	608159.46	616903.80	N 32 40 17.89 W 104 5 15.92	
	2814.00	1.27	348.75	2813.66	3.19	37.86	-0.51	0.12	608161.54	616903.48	N 32 40 17.91 W 104 5 15.92	
	2909.00	1.98	351.62	2908.62	3.82	40.51	-0.96	0.75	608164.20	616903.03	N 32 40 17.93 W 104 5 15.93	
	2957.00	3.30	358.98	2956.56	4.12	42.71	-1.10	2.83	608166.40	616902.89	N 32 40 17.96 W 104 5 15.93	
	3138.00	4.94	0.99	3137.09	5.00	55.71	-1.06	0.91	608179.40	616902.93	N 32 40 18.08 W 104 5 15.93	
	3232.00	6.53	2.71	3230.62	5.34	65.10	-0.74	1.70	608188.79	616903.25	N 32 40 18.18 W 104 5 15.92	
	3327.00	7.50	3.27	3324.91	5.55	76.69	-0.13	1.02	608200.37	616903.86	N 32 40 18.29 W 104 5 15.92	
	3421.00	7.69	4.00	3418.08	5.65	89.09	0.66	0.23	608212.77	616904.65	N 32 40 18.41 W 104 5 15.91	
	3516.00	8.17	3.84	3512.17	5.68	102.16	1.56	0.51	608225.84	616905.55	N 32 40 18.54 W 104 5 15.90	
	3705.00	9.20	3.53	3699.00	5.87	130.64	3.39	0.55	608254.32	616907.38	N 32 40 18.83 W 104 5 15.87	
	3799.00	10.21	3.92	3791.66	5.96	146.45	4.42	1.08	608270.13	616908.41	N 32 40 18.98 W 104 5 15.86	
	3894.00	11.13	5.04	3885.01	5.82	163.99	5.80	0.99	608287.66	616909.79	N 32 40 19.16 W 104 5 15.84	
	3989.00	11.96	6.55	3978.09	5.24	182.90	7.73	0.93	608306.58	616911.72	N 32 40 19.34 W 104 5 15.82	
	4083.00	12.36	4.45	4069.98	4.74	202.61	9.62	0.63	608326.28	616913.61	N 32 40 19.54 W 104 5 15.80	
	4272.00	11.96	2.55	4254.74	5.12	242.34	12.06	0.30	608366.01	616916.05	N 32 40 19.93 W 104 5 15.77	
	4366.00	11.88	2.96	4346.71	5.56	261.73	12.99	0.12	608385.40	616916.98	N 32 40 20.12 W 104 5 15.76	
	4461.00	11.52	2.97	4439.74	5.93	280.97	13.99	0.38	608404.64	616917.98	N 32 40 20.31 W 104 5 15.75	
	4556.00	11.03	1.25	4532.91	6.56	299.53	14.68	0.63	608423.19	616918.67	N 32 40 20.50 W 104 5 15.74	
	4651.00	10.84	359.15	4626.18	7.77	317.55	14.75	0.46	608441.21	616918.73	N 32 40 20.68 W 104 5 15.74	
	4745.00	10.59	357.13	4718.54	9.57	335.01	14.18	0.48	608458.67	616918.17	N 32 40 20.85 W 104 5 15.74	
	4840.00	10.00	355.75	4812.01	11.81	351.96	13.13	0.67	608475.62	616917.12	N 32 40 21.02 W 104 5 15.75	
	5029.00	10.28	353.52	4998.06	17.27	385.08	10.01	0.26	608508.74	616914.00	N 32 40 21.34 W 104 5 15.79	
	5123.00	9.42	352.16	5090.68	20.39	401.03	8.02	0.95	608524.69	616912.01	N 32 40 21.50 W 104 5 15.81	
	5218.00	8.38	351.45	5184.53	23.50	415.58	5.93	1.10	608539.24	616909.92	N 32 40 21.65 W 104 5 15.84	
	5313.00	7.70	351.62	5278.60	26.38	428.72	3.97	0.72	608552.38	616907.96	N 32 40 21.78 W 104 5 15.86	
	5502.00	7.42	354.05	5465.95	31.23	453.39	0.86	0.22	608577.04	616904.85	N 32 40 22.02 W 104 5 15.89	
	5596.00	7.38	354.24	5559.17	33.32	465.43	-0.37	0.05	608589.08	616903.62	N 32 40 22.14 W 104 5 15.91	
5685.00	6.97	357.57	5647.47	34.90	476.51	-1.18	0.66	608600.16	616902.81	N 32 40 22.25 W 104 5 15.92		
5780.00	6.69	359.78	5741.80	35.96	487.81	-1.44	0.40	608611.45	616902.55	N 32 40 22.36 W 104 5 15.92		
5874.00	6.51	359.47	5835.18	36.80	498.61	-1.51	0.20	608622.26	616902.48	N 32 40 22.47 W 104 5 15.92		
5969.00	7.14	356.04	5929.50	38.05	509.89	-1.97	0.79	608633.53	616902.02	N 32 40 22.58 W 104 5 15.93		
6064.00	7.42	357.85	6023.74	39.54	521.91	-2.61	0.38	608645.55	616901.38	N 32 40 22.70 W 104 5 15.93		
6158.00	7.92	357.04	6116.90	40.99	534.44	-3.17	0.54	608658.08	616900.82	N 32 40 22.82 W 104 5 15.94		
6252.00	7.39	347.29	6210.06	43.52	546.80	-4.83	1.49	608670.45	616899.16	N 32 40 22.94 W 104 5 15.96		
6347.00	7.71	338.21	6304.24	48.07	558.68	-8.54	1.30	608682.32	616895.45	N 32 40 23.06 W 104 5 16.00		
6441.00	6.89	345.94	6397.48	52.57	570.01	-12.25	1.36	608693.65	616891.74	N 32 40 23.17 W 104 5 16.04		
6536.00	5.45	341.22	6491.93	56.09	579.81	-15.09	1.61	608703.45	616888.90	N 32 40 23.27 W 104 5 16.08		
6726.00	5.85	344.03	6681.01	62.91	597.66	-20.66	0.26	608721.30	616883.33	N 32 40 23.45 W 104 5 16.14		
6821.00	5.42	343.56	6775.55	66.14	606.62	-23.26	0.46	608730.25	616880.73	N 32 40 23.54 W 104 5 16.17		
6916.00	4.81	341.54	6870.17	69.24	614.70	-25.79	0.67	608738.33	616878.20	N 32 40 23.62 W 104 5 16.20		
7010.00	5.54	347.56	6963.78	72.03	622.87	-28.02	0.97	608746.50	616875.97	N 32 40 23.70 W 104 5 16.23		
7105.00	4.72	354.94	7058.40	73.96	631.24	-29.35	1.11	608754.87	616874.64	N 32 40 23.78 W 104 5 16.24		
7199.00	4.13	355.68	7152.12	75.06	638.47	-29.95	0.63	608762.10	616874.05	N 32 40 23.85 W 104 5 16.25		
7294.00	2.41	352.94	7246.97	75.95	643.86	-30.45	1.82	608767.49	616873.54	N 32 40 23.90 W 104 5 16.26		
7388.00	11.35	268.34	7340.31	85.56	645.56	-39.97	12.10	608769.19	616864.02	N 32 40 23.92 W 104 5 16.37		
7482.00	17.59	263.91	7431.29	108.77	643.78	-63.36	6.74	608767.42	616860.63	N 32 40 23.90 W 104 5 16.64		
7577.00	24.60	275.41	7519.90	142.72	644.12	-97.38	8.54	608767.76	616860.62	N 32 40 23.91 W 104 5 17.04		
7671.00	37.07	279.70	7600.47	190.67	650.77	-144.98	13.46	608774.40	616759.03	N 32 40 23.98 W 104 5 17.60		
7766.00	47.95	275.82	7670.40	254.63	659.20	-208.49	11.78	608782.83	616695.52	N 32 40 24.06 W 104 5 18.34		
7861.00	53.37	276.10	7730.60	328.03	666.83	-281.54	5.71	608790.46	616622.47	N 32 40 24.14 W 104 5 19.19		
7955.00	60.48	276.03	7781.87	406.70	675.14	-359.82	7.56	608798.78	616544.20	N 32 40 24.22 W 104 5 20.11		
8050.00	64.96	274.10	7825.40	491.09	682.57	-443.90	5.05	608806.20	616460.13	N 32 40 24.30 W 104 5 21.09		
8144.00	81.62	269.74	7852.35	580.71	685.42	-533.54	18.27	608809.05	616370.50	N 32 40 24.33 W 104 5 22.14		
8209.00	85.11	268.93	7859.86	645.05	684.67	-598.09	5.91					

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 ° ' ")
	8474.00	90.10	269.17	7869.96	908.49	677.36	-862.71	1.83	608800.99	618041.35	N 32 40 24.26 W 104	5 25.99
	8568.00	90.14	268.70	7869.77	1002.11	675.61	-956.69	0.50	608799.24	615947.38	N 32 40 24.24 W 104	5 27.09
	8663.00	90.00	268.37	7869.65	1096.67	673.18	-1051.66	0.38	608796.81	615852.42	N 32 40 24.22 W 104	5 28.20
	8758.00	90.21	270.55	7869.48	1191.36	672.28	-1146.65	2.31	608795.92	615757.44	N 32 40 24.21 W 104	5 29.31
	8852.00	90.21	270.38	7869.13	1285.17	673.05	-1240.65	0.18	608796.68	615663.45	N 32 40 24.22 W 104	5 30.41
	8947.00	89.59	270.61	7869.30	1379.99	673.87	-1335.64	0.70	608797.50	615568.46	N 32 40 24.23 W 104	5 31.52
	9041.00	89.62	269.85	7869.95	1473.78	674.25	-1429.64	0.81	608797.88	615474.47	N 32 40 24.24 W 104	5 32.62
	9136.00	89.72	270.40	7870.49	1568.55	674.45	-1524.64	0.59	608798.08	615379.48	N 32 40 24.24 W 104	5 33.73
	9230.00	89.38	272.67	7871.23	1662.45	676.97	-1618.60	2.44	608800.60	615285.53	N 32 40 24.27 W 104	5 34.83
	9325.00	89.59	272.46	7872.09	1757.41	681.22	-1713.50	0.31	608804.85	615190.64	N 32 40 24.31 W 104	5 35.94
	9419.00	89.59	272.45	7872.76	1851.38	685.25	-1807.41	0.01	608806.88	615096.74	N 32 40 24.35 W 104	5 37.04
	9513.00	89.31	271.84	7873.66	1945.32	688.77	-1901.34	0.71	608812.40	615002.82	N 32 40 24.39 W 104	5 38.14
	9608.00	89.48	272.66	7874.66	2040.27	692.68	-1996.25	1.09	608816.29	614907.91	N 32 40 24.43 W 104	5 39.25
	9703.00	90.72	273.17	7874.50	2135.25	697.66	-2091.12	1.35	608821.29	614813.05	N 32 40 24.48 W 104	5 40.36
	9798.00	90.55	272.16	7873.45	2230.22	702.07	-2186.01	1.08	608825.70	614718.17	N 32 40 24.53 W 104	5 41.47
	9892.00	90.41	271.95	7872.86	2324.16	705.45	-2279.94	0.27	608829.07	614624.24	N 32 40 24.56 W 104	5 42.57
	9987.00	90.76	272.31	7871.69	2419.10	708.98	-2374.87	0.53	608832.60	614529.32	N 32 40 24.60 W 104	5 43.68
	10081.00	91.14	271.92	7870.13	2513.03	712.44	-2468.80	0.58	608836.07	614435.41	N 32 40 24.64 W 104	5 44.78
	10176.00	91.55	271.31	7867.90	2607.92	715.12	-2563.73	0.77	608838.75	614340.48	N 32 40 24.67 W 104	5 45.89
	10265.00	91.72	269.76	7862.51	2796.48	718.89	-2752.64	0.82	608840.51	614151.59	N 32 40 24.69 W 104	5 46.10
	10354.00	91.69	269.23	7856.88	2984.79	715.22	-2941.55	0.28	608838.85	613962.70	N 32 40 24.68 W 104	5 50.31
	10649.00	91.44	269.28	7854.29	3079.42	713.99	-3036.50	0.27	608837.81	613867.75	N 32 40 24.67 W 104	5 51.42
	10743.00	91.48	268.63	7851.89	3173.02	712.27	-3130.46	0.69	608835.90	613773.80	N 32 40 24.65 W 104	5 52.52
	10838.00	91.75	267.81	7849.22	3267.49	709.32	-3225.37	0.91	608832.95	613678.90	N 32 40 24.62 W 104	5 53.63
	10932.00	91.58	267.11	7846.48	3360.83	705.16	-3319.24	0.77	608828.79	613585.04	N 32 40 24.58 W 104	5 54.73
	11026.00	91.65	267.95	7843.84	3454.18	701.11	-3413.12	0.90	608824.74	613491.17	N 32 40 24.55 W 104	5 55.83
	11121.00	91.76	268.97	7841.01	3548.68	698.58	-3508.04	1.08	608822.19	613396.26	N 32 40 24.52 W 104	5 56.94
	11215.00	91.38	270.24	7838.43	3642.36	697.91	-3602.00	1.41	608821.54	613302.34	N 32 40 24.52 W 104	5 58.04
	11310.00	91.20	270.11	7836.29	3737.12	698.20	-3696.97	0.23	608821.83	613207.34	N 32 40 24.52 W 104	5 59.15
	11405.00	91.44	270.77	7834.11	3831.90	698.93	-3791.94	0.74	608822.56	613112.37	N 32 40 24.53 W 104	6 0.26
	11499.00	91.38	270.51	7831.79	3925.71	699.98	-3885.91	0.28	608823.61	613018.42	N 32 40 24.55 W 104	6 1.36
	11688.00	91.00	270.45	7827.87	4114.30	701.58	-4074.86	0.20	608825.19	612829.48	N 32 40 24.57 W 104	6 3.57
	11783.00	91.31	270.38	7825.95	4209.09	702.25	-4169.84	0.33	608825.88	612734.51	N 32 40 24.57 W 104	6 4.68
	11877.00	91.20	270.42	7823.89	4302.87	702.91	-4263.82	0.12	608826.53	612640.54	N 32 40 24.58 W 104	6 5.78
	11972.00	91.10	270.48	7821.99	4397.67	703.65	-4358.79	0.12	608827.28	612545.57	N 32 40 24.59 W 104	6 6.89
	12066.00	91.14	270.35	7820.15	4491.46	704.33	-4452.77	0.14	608827.96	612451.60	N 32 40 24.60 W 104	6 7.99
	12255.00	91.48	270.46	7815.83	4680.02	705.67	-4641.72	0.19	608829.30	612262.67	N 32 40 24.62 W 104	6 10.20
	12350.00	91.34	270.67	7813.49	4774.82	706.60	-4736.69	0.27	608830.23	612167.71	N 32 40 24.63 W 104	6 11.31
	12444.00	91.41	270.25	7811.24	4868.61	707.36	-4830.66	0.45	608830.99	612073.75	N 32 40 24.64 W 104	6 12.41
	12539.00	91.41	270.04	7808.90	4963.36	707.60	-4925.63	0.22	608831.23	611978.79	N 32 40 24.64 W 104	6 13.52
	12633.00	90.21	270.33	7807.57	5057.13	707.90	-5019.61	1.31	608831.53	611884.81	N 32 40 24.65 W 104	6 14.62
	12728.00	90.24	270.11	7807.20	5151.92	708.27	-5114.61	0.23	608831.90	611789.82	N 32 40 24.65 W 104	6 15.73
	12822.00	90.24	270.52	7806.80	5245.71	708.78	-5208.61	0.44	608832.41	611695.83	N 32 40 24.68 W 104	6 16.83
	12916.00	90.18	271.17	7806.46	5339.56	710.17	-5302.80	0.69	608833.80	611601.85	N 32 40 24.68 W 104	6 17.93
	13010.00	90.86	271.76	7805.77	5433.47	712.57	-5396.58	0.81	608836.20	611507.89	N 32 40 24.70 W 104	6 19.03
	13105.00	90.59	270.96	7804.73	5528.35	714.83	-5491.53	0.85	608838.46	611412.93	N 32 40 24.73 W 104	6 20.14
	13200.00	90.45	271.20	7803.97	5623.22	716.62	-5586.51	0.29	608840.25	611317.96	N 32 40 24.75 W 104	6 21.25
	13294.00	90.87	271.07	7802.79	5717.09	718.46	-5680.49	0.47	608842.11	611223.99	N 32 40 24.77 W 104	6 22.35
	13389.00	91.18	271.29	7801.09	5811.96	720.44	-5775.45	0.40	608844.06	611129.04	N 32 40 24.79 W 104	6 23.46
	13483.00	91.14	271.46	7799.19	5905.83	722.69	-5869.40	0.19	608846.32	611035.09	N 32 40 24.81 W 104	6 24.56
	13578.00	91.07	271.45	7797.35	6000.72	725.10	-5964.36	0.07	608848.73	610940.15	N 32 40 24.84 W 104	6 25.67
	13673.00	92.30	272.24	7794.58	6095.60	728.16	-6059.26	1.54	608851.79	610845.25	N 32 40 24.87 W 104	6 26.78
	13767.00	92.31	272.02	7790.78	6189.48	731.65	-6153.12	0.23	608855.28	610751.40	N 32 40 24.91 W 104	6 27.88
	13862.00	91.96	271.41	7783.74	6283.36	735.10	-6247.00	0.37	608860.93	610657.45	N 32 40 24.97 W 104	6 30.09
	14051.00	92.31	272.23	7780.20	6377.24	740.32	-6340.88	0.94	608863.94	610467.76	N 32 40 25.00 W 104	6 31.20
	14240.00	92.96	270.51	7771.51	6471.12	744.83	-6434.76	0.97	608866.46	610279.03	N 32 40 25.05 W 104	6 33.41
	14335.00	92.58	269.62	7766.92	6565.00	744.94	-6528.64	1.02	608868.57	610184.15	N 32 40 25.05 W 104	6 34.52
	14429.00	92.48	270.10	7762.77	6658.88	744.71	-6622.52	0.32	608868.34	610090.25	N 32 40 25.05 W 104	6 35.61
	14618.00	92.79	270.64	7754.08	6752.76	745.93	-6716.40	0.53	608869.56	609901.48	N 32 40 25.07 W 104	6 37.82
	14808.00	92.58	269.89	7745.18	6846.64	746.48	-6810.28	0.51	608870.10	609711.70	N 32 40 25.08 W 104	6 40.04
	14902.00	92.65	269.94	7740.99	6940.52	746.17	-6904.16	0.28	608869.80	609617.81	N 32 40 25.08 W 104	6 41.14
	15091.00	92.44	269.75	7732.50	7034.40	745.66	-7000.04	0.15	608869.29	609429.01	N 32 40 25.07 W 104	6 43.35
	15280.00	92.51	270.50	7724.34	7128.28	746.07	-7095.92	0.40	608869.70	609240.21	N 32 40 25.08 W 104	6 45.56
	15469.00	92.79	270.44	7715.60	7222.16	747.62	-7191.80	0.15	608871.25	609051.43	N 32 40 25.10 W 104	6 47.77
	15654.00	92.51	269.98	7711.21	7316.04	747.97	-7287.68	0.57	608871.60	608956.54	N 32 40 25.11 W 104	6 48.88
	15843.00	92.51	269.86	7707.09	7410.92	747.84	-7383.56	0.13	608871.46	608862.64	N 32 40 25.11 W 104	6 49.98
	15938.00	92.48	269.69	7698.86	7505.80	747.10	-7479.44	0.09	608870.72	608768.74	N 32 40 25.10 W 104	6 52.19
	16033.00	92.58	269.87	7690.52	7600.68	746.37	-7575.32	0.11	608870.00	608674.84	N 32 40 25.10 W 104	6 54.39
	16222.00	92.55	269.69	7682.06	7695.56	745.65	-7671.20	0.10	608869.27	608580.94	N 32 40 25.10 W 104	6 56.60
	16320.00	92.65	270.00	7673.75	7789.44	745.39	-7767.08	0.34	608869.02	608487.04	N 32 40 25.10 W 104	6 57.71
	16509.00	92.65	270.34	7665.01	7883.32	745.95	-7862.96	0.18	608868.58	608393.14	N 32 40 25.11 W 104	6 59.92
	16603.00	92.03	269.71	7656.17	7977.20	745.99	-7958.84	0.94	608869.62	607918.66	N 32 40 25.11 W 104	7 1.02
	16792.00	91.89	269.70	7647.31	8071.08	745.02	-8054.72	0.07	608868.65	607729.79	N 32 40 25.10 W 104	7 3.23
	16887.00	92.06	269.84	7638.45	8164.96	744.64	-8150.60	0.23	608868.26	607534.86	N 32 40 25.10 W 104	7 4.34
	17076.00	91.65	270.02	7629.59	8258.84	744.41	-8246.48	0.24	608868.03	607340.97	N 32 40 25.10 W 104	7 6.55
	17266.00	91.65	270.49	7620.73	8352.72	745.25	-8342.36	0.25	608868.68	607147.08	N 32 40 25.11 W 104	7 8.77

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

November 10, 2017

OXY USA WTP LP

Re:

CLIENT: OXY USA WTP LP
WELL: Turkey Track 8-7 State 023H
FIELD: Turkey Track; Bone Spring

RIG: H&P 617
COUNTY: Eddy
API NO: 30-015-44143
JOB NO: 17MLD1581

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>
Jose Vargas FE	Turkey Track 8-7 State 023H Original Hole	506.00 Ft to 17907.00 Ft	September 19, 2017 to September 28, 2017	TelePacer SlimPulse

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