

30-015-44117

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 18 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:
8, 19S, 29E, Eddy NM
N 32.67674 W -104.08967

I, Aaron Simon certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of August 30, 2017 through September 03, 2017, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 357.00 feet to a depth of 18160.00 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 9-10 State 21H Well (Original Hole) API No. 30-015-44117 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
Aaron Simon
FE



Subscribed and Sworn to before me this 7th day of September (month) 2017 (yr)

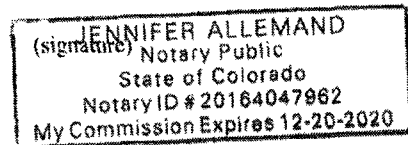
My Commission expires:

12-20-2020

J. Allemand

Notary Public

Adams County Colorado
(County State)



Oxy Turkey Track 9-10 State 21H Gyro to 70 deg+MWD 0-18201 Survey

Geodetic Report

(Def Survey)



Report Date: September 05, 2017 - 10:01 AM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Turkey Track 9-10 State 21H / Oxy Turkey Track 9-10 State 21H
Well: Oxy Turkey Track 9-10 State 21H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Oxy Turkey Track 9-10 State 21H Gyro to 70 deg+MWD 0-18201
Survey Date: August 31, 2017
Tort / AHD / DDI / ERD Ratio: 200.369 * / 11496.334 ft / 6.720 / 1.440
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 40' 36.26912", W 104° 5' 22.79933"
Location Grid N/E Y/X: N 810014.710 ftUS, E 816311.360 ftUS
CRS Grid Convergence Angle: 0.1316 °
Grid Scale Factor: 0.99991553
Version / Patch: 2.10.302.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 83.900 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB=26.5'
TVD Reference Elevation: 3421.300 ft above MSL
Seabed / Ground Elevation: 3394.800 ft above MSL
Magnetic Declination: 7.466 °
Total Gravity Field Strength: 998.5132mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48177.173 nT
Magnetic Dip Angle: 60.506 °
Declination Date: August 31, 2017
Magnetic Declination Model: HDGM 2017
North Reference: Grid North
Grid Convergence Used: 0.1316 °
Total Corr Mag North->Grid North: 7.3345 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100m)	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	610014.71	616311.36	N 32 40 36.26 W 104 5 22.80	
First Gyro	80.08	0.60	200.88	80.08	-0.19	-0.39	-0.15	0.75	610014.32	616311.21	N 32 40 36.26 W 104 5 22.80	
	172.65	0.93	178.92	172.64	-0.49	-1.80	-0.32	0.46	610013.11	616311.04	N 32 40 36.24 W 104 5 22.80	
	264.48	0.85	175.95	264.46	-0.59	-3.10	-0.27	0.07	610011.81	616311.09	N 32 40 36.23 W 104 5 22.80	
	357.14	1.10	165.90	357.10	-0.50	-4.73	0.00	0.25	610009.98	616311.36	N 32 40 36.21 W 104 5 22.80	
	449.16	1.35	164.73	449.10	-0.20	-8.63	0.51	0.27	610008.08	616311.87	N 32 40 36.19 W 104 5 22.79	
540.74	1.28	165.38	540.66	0.12	-8.66	1.05	0.08	610006.05	616312.41	N 32 40 36.17 W 104 5 22.79		
631.87	0.70	291.02	631.78	-0.22	-9.45	0.78	1.95	610005.26	616312.14	N 32 40 36.17 W 104 5 22.79		
722.19	0.94	299.79	722.09	-1.31	-8.88	-0.37	0.30	610005.83	616310.99	N 32 40 36.17 W 104 5 22.80		
814.40	0.73	305.22	814.29	-2.37	-8.17	-1.51	0.24	610006.54	616309.85	N 32 40 36.17 W 104 5 22.82		
906.50	0.65	313.10	906.38	-3.15	-7.47	-2.37	0.13	610007.24	616309.19	N 32 40 36.19 W 104 5 22.83		
998.38	0.54	315.98	998.26	-3.76	-6.80	-3.05	0.12	610007.91	616308.31	N 32 40 36.19 W 104 5 22.84		
1092.70	0.55	318.37	1092.58	-4.29	-6.15	-3.66	0.03	610008.56	616307.70	N 32 40 36.20 W 104 5 22.84		
1186.80	0.57	313.68	1186.67	-4.86	-5.49	-4.30	0.05	610009.23	616307.06	N 32 40 36.20 W 104 5 22.85		
1280.97	0.56	310.99	1280.84	-5.47	-4.86	-4.99	0.03	610009.85	616306.37	N 32 40 36.21 W 104 5 22.86		
1375.05	0.59	303.79	1374.91	-6.16	-4.29	-5.74	0.08	610010.42	616305.63	N 32 40 36.22 W 104 5 22.87		
1469.46	0.78	300.81	1469.31	-7.05	-3.69	-6.69	0.20	610011.02	616304.67	N 32 40 36.22 W 104 5 22.88		
1563.79	0.92	296.91	1563.63	-8.19	-3.02	-7.92	0.16	610011.69	616303.44	N 32 40 36.23 W 104 5 22.89		
1657.86	0.92	295.02	1657.66	-9.47	-2.36	-9.28	0.03	610012.35	616302.08	N 32 40 36.24 W 104 5 22.91		
1751.90	0.96	295.15	1751.72	-10.81	-1.70	-10.69	0.06	610013.01	616300.87	N 32 40 36.24 W 104 5 22.92		
1846.01	0.97	294.58	1845.82	-12.18	-1.02	-12.14	0.01	610013.69	616299.22	N 32 40 36.25 W 104 5 22.94		
1940.11	0.97	295.02	1939.90	-13.55	-0.35	-13.59	0.01	610014.36	616297.77	N 32 40 36.26 W 104 5 22.96		
2034.15	1.03	296.27	2033.93	-14.94	0.36	-15.07	0.07	610015.07	616296.30	N 32 40 36.26 W 104 5 22.98		
2128.45	1.09	289.31	2128.21	-16.47	1.03	-16.87	0.15	610015.74	616294.69	N 32 40 36.27 W 104 5 22.99		
2222.76	0.86	23.12	2222.51	-17.05	1.75	-17.34	1.33	610016.48	616294.02	N 32 40 36.28 W 104 5 23.00		
2317.13	0.57	41.54	2316.88	-16.48	2.52	-16.85	0.19	610017.23	616294.52	N 32 40 36.28 W 104 5 23.00		
2411.46	0.54	37.24	2411.21	-15.83	3.23	-16.27	0.05	610017.94	616295.10	N 32 40 36.29 W 104 5 22.99		
2505.94	0.53	41.90	2505.68	-15.20	3.91	-15.70	0.05	610018.62	616295.66	N 32 40 36.30 W 104 5 22.98		
2600.26	0.53	42.57	2600.00	-14.55	4.56	-15.12	0.01	610019.26	616296.24	N 32 40 36.30 W 104 5 22.98		
2694.70	0.53	46.87	2694.43	-13.87	5.18	-14.50	0.04	610019.88	616296.86	N 32 40 36.31 W 104 5 22.97		
2789.24	0.54	43.52	2788.97	-13.18	5.80	-13.88	0.03	610020.51	616297.48	N 32 40 36.32 W 104 5 22.96		
2883.74	0.57	45.03	2883.47	-12.48	6.45	-13.24	0.04	610021.16	616298.12	N 32 40 36.32 W 104 5 22.95		
2978.23	0.60	36.02	2977.95	-11.78	7.18	-12.62	0.10	610021.89	616298.75	N 32 40 36.33 W 104 5 22.95		
3072.91	0.46	60.78	3072.63	-11.10	7.77	-11.99	0.28	610022.48	616299.37	N 32 40 36.34 W 104 5 22.94		
3167.22	0.10	107.83	3166.94	-10.67	7.93	-11.58	0.42	610022.64	616299.78	N 32 40 36.34 W 104 5 22.93		
3261.46	0.04	178.55	3261.18	-10.60	7.87	-11.50	0.10	610022.58	616299.86	N 32 40 36.34 W 104 5 22.93		
3355.99	0.09	191.51	3355.71	-10.63	7.77	-11.52	0.05	610022.48	616299.84	N 32 40 36.34 W 104 5 22.93		
3450.31	0.39	11.35	3450.02	-10.55	8.01	-11.47	0.51	610022.72	616299.89	N 32 40 36.34 W 104 5 22.93		
3544.69	2.22	20.02	3544.38	-9.65	10.04	-10.78	1.94	610024.75	616300.58	N 32 40 36.36 W 104 5 22.93		
3639.18	4.49	28.67	3638.70	-6.74	15.01	-9.38	2.45	610029.72	616302.98	N 32 40 36.41 W 104 5 22.90		
3733.35	6.70	34.85	3732.41	-1.03	22.75	-3.47	2.43	610037.46	616307.89	N 32 40 36.48 W 104 5 22.84		
3827.68	9.03	42.05	3825.85	8.09	32.76	4.63	2.68	610047.47	616315.99	N 32 40 36.58 W 104 5 22.74		
3922.16	11.45	44.78	3918.82	20.89	44.93	16.21	2.61	610059.84	616327.56	N 32 40 36.70 W 104 5 22.61		
4016.84	13.34	44.24	4011.29	36.59	59.43	30.45	2.00	610074.13	616341.80	N 32 40 36.85 W 104 5 22.44		
4111.24	15.04	39.44	4102.81	53.72	76.69	45.83	2.19	610091.39	616357.18	N 32 40 37.02 W 104 5 22.26		
4205.54	15.34	36.32	4193.82	70.86	96.19	60.99	0.92	610110.89	616372.34	N 32 40 37.21 W 104 5 22.08		
4299.87	14.84	30.85	4284.90	86.54	116.81	74.57	1.80	610131.31	616385.93	N 32 40 37.41 W 104 5 21.92		
4394.28	14.95	26.87	4376.14	100.44	137.86	86.28	1.09	610152.56	616397.63	N 32 40 37.62 W 104 5 21.79		
4488.52	15.96	24.11	4466.97	113.57	160.53	97.07	1.33	610175.22	616408.42	N 32 40 37.85 W 104 5 21.66		
4582.82	16.85	21.37	4557.43	126.40	185.09	107.34	1.25	610199.78	616418.69	N 32 40 38.09 W 104 5 21.54		
4677.13	17.11	19.19	4647.63	138.63	210.92	116.88	0.73	610225.81	616428.23	N 32 40 38.24 W 104 5 21.43		
4771.81	17.46	18.61	4738.04	150.52	237.54	125.99	0.41	610252.23	616437.34	N 32 40 38.61 W 104 5 21.32		
4866.21	18.69	17.26	4827.78	162.44	265.40	135.00	1.38	610280.09	616446.35	N 32 40 38.88 W 104 5 21.21		
4960.50	19.69	14.74	4916.83	174.08	295.19	143.53	1.38	610309.88	616454.67	N 32 40 39.18 W 104 5 21.11		
5054.60	19.75	16.53	5005.41	185.84	325.77	152.08	0.64	610340.45	616463.43	N 32 40 39.48 W 104 5 21.01		
5148.95	18.85	17.57	5094.46	198.09	355.58	161.22	1.02	610370.26	616472.57	N 32 40 39.77 W 104 5 20.90		
5243.48	18.34	18.01	5184.05	210.30	384.28	170.43	0.56	610398.96	616481.77	N 32 40 40.06 W 104 5 20.80		
5337.64	18.80	19.33	5273.31	222.86	412.69	180.03	0.66	610427.36	616491.37	N 32 40 40.34 W 104 5 20.68		
5431.63	19.15	20.23	5362.19	236.21	441.44	190.37	0.49	610456.12	616501.72	N 32 40 40.62 W 104 5 20.56		
5525.40	19.43	21.76	5450.70	250.32	470.36	201.47	0.62	610485.03	616512.82	N 32 40 40.91 W 104 5 20.43		
5619.50	19.67	22.59	5539.37	265.23	499.52	213.36	0.39	610514.19	616524.70	N 32 40 41.20 W 104 5 20.29		
5713.78	19.40	22.93	5628.23	280.45	528.59	225.56	0.31	610543.25	616536.90	N 32 40 41.48 W 104 5 20.15		
5808.07	18.92	23.46	5717.29	295.59	557.04	237.74	0.54	610571.70	616549.08	N 32 40 41.77 W 104 5 20.00		
5902.14	18.63	24.63	5806.36	310.79	584.69	250.08	0.51	610599.34	616561.41	N 32 40 42.04 W 104 5 19.86		
5996.17	17.86	25.17	5895.66	325.95	611.39	262.47	0.84	610626.05	616573.81	N 32 40 42.30 W 104 5 19.71		
6090.47	16.85	25.37	5985.71	340.51	636.68	274.41	1.28	610651.34	616585.74	N 32 40 42.55 W 104 5 19.57		
6184.66	14.61	24.16	6076.42	353.54	659.72	285.05	2.19	610674.37	616596.39	N 32 40 42.78 W 104 5 19.45		
6278.89	11.53	20.09	6168.20	363.69	679.41	293.15	3.41	610694.06	616604.49	N 32 40 42.97 W 104 5 19.35		
6373.11	8.98	16.74	6260.90	370.70	695.30	298.51	2.78	610709.95	616609.84	N 32 40 43.13 W 104 5 19.29		
6467.36	9.37	18.56	6353.95	376.76	709.62	303.07	0.52	610724.26	616614.40	N 32 40 43.27 W 104 5 19.23		
6561.61	9.07	22.50	6448.98	383.52	723.75	308.35	0.74	610738.40	616619.69	N 32 40 43.41 W 104 5 19.17		
6656.23	8.79	22.28	6540.46	390.52	737.33	313.95	0.30	610751.98	616625.28	N 32 40 43.55 W 104 5 19.11		
6750.64	8.29	19.31	6633.82	396.87	750.43	318.93	0.71	610765.08	616630.27	N 32 40 43.68 W 104 5 19.05		
6844.86	9.01	19.82	6727.07	403.02	763.80	323.69	0.77	610778.44	616635.02	N 32 40 43.81 W 104 5 18.99		
6939.41	8.45	21.65	6820.42	409.48	777.20	328.75	0.66	610791.85	616640.09	N 32 40 43.94 W 104 5 18.93		
7033.70	9.68	26.20	6913.53	416.94	790.76	334.81	1.51	610805.40	616646.14	N 32 40 44.08 W 104 5 18.86		
7127.94	10.78	30.86	7006.27	426.45	805.45	342.80	1.44	610820.09	616654.13	N 32 40 44.22 W 104 5 18.77		
7222												

Comments	MD (ft)	Incl (°)	Azim Grd (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	7318.44	15.01	38.59	7190.02	453.62	839.96	366.44	2.69	610654.80	616877.78	N 32 40 44.58 W	104 5 18.49
	7410.61	15.52	37.59	7290.87	470.90	869.47	381.73	0.61	610674.11	616893.06	N 32 40 44.75 W	104 5 18.31
	7505.12	16.35	34.20	7371.75	458.24	890.49	398.92	1.32	610695.13	616908.24	N 32 40 44.96 W	104 5 18.13
	7599.71	27.72	40.84	7459.30	513.01	908.24	418.66	12.29	610922.88	616930.19	N 32 40 45.24 W	104 5 17.87
	7694.25	35.08	42.15	7539.95	549.38	945.06	451.51	7.80	610959.69	616962.83	N 32 40 45.60 W	104 5 17.49
	7768.69	41.01	44.32	7614.30	593.54	987.38	491.40	6.46	611002.00	616980.72	N 32 40 46.02 W	104 5 17.02
	7863.15	50.30	45.45	7680.26	646.00	1035.15	539.05	9.87	611049.77	616985.37	N 32 40 46.49 W	104 5 16.48
	7977.43	56.63	56.10	7736.46	709.41	1082.69	597.74	11.28	611097.31	616990.05	N 32 40 46.96 W	104 5 15.78
	8072.11	58.38	63.97	7787.38	782.37	1122.48	666.87	7.25	611137.09	616978.17	N 32 40 47.35 W	104 5 14.97
	8166.77	64.40	80.11	7832.92	863.34	1147.65	745.60	16.24	611162.26	617056.90	N 32 40 47.80 W	104 5 14.05
Last Gyro	8261.33	73.78	87.26	7866.67	951.50	1157.17	833.25	12.17	611171.78	617144.54	N 32 40 47.89 W	104 5 13.02
	8318.00	82.24	89.20	7878.43	1006.72	1158.87	888.60	15.30	611173.48	617199.89	N 32 40 47.71 W	104 5 12.37
	8412.00	84.28	87.82	7889.46	1099.76	1161.30	981.92	2.61	611175.91	617283.19	N 32 40 47.73 W	104 5 11.28
	8491.00	87.28	88.49	7895.27	1178.32	1163.83	1080.65	3.89	611178.44	617371.92	N 32 40 47.75 W	104 5 10.38
	8558.00	87.39	87.31	7898.39	1245.08	1166.29	1127.53	1.77	611180.90	617438.79	N 32 40 47.77 W	104 5 9.58
	8653.00	88.18	85.84	7902.06	1339.90	1171.96	1222.29	1.78	611186.57	617533.54	N 32 40 47.83 W	104 5 8.47
	8747.00	90.38	86.12	7903.24	1433.83	1178.55	1316.04	2.38	611193.15	617627.29	N 32 40 47.89 W	104 5 7.37
	8842.00	89.97	87.68	7902.95	1528.70	1183.68	1410.90	1.70	611198.29	617722.14	N 32 40 47.94 W	104 5 6.26
	8936.00	89.69	90.99	7903.23	1622.26	1184.77	1504.88	3.53	611199.38	617816.11	N 32 40 47.95 W	104 5 5.18
	9030.00	90.18	89.31	7903.34	1715.70	1184.53	1598.88	1.86	611199.14	617910.10	N 32 40 47.94 W	104 5 4.08
	9125.00	90.28	89.02	7902.96	1810.30	1185.91	1693.87	0.32	611200.52	618005.08	N 32 40 47.95 W	104 5 2.95
	9219.00	90.21	89.25	7902.55	1903.90	1187.33	1787.85	0.26	611201.94	618099.08	N 32 40 47.97 W	104 5 1.85
	9314.00	90.31	88.72	7902.12	1998.53	1189.02	1882.84	0.57	611203.62	618194.04	N 32 40 47.98 W	104 5 0.74
	9408.00	90.38	89.09	7901.58	2092.17	1190.81	1978.82	0.40	611205.42	618288.01	N 32 40 48.00 W	104 5 0.94
	9503.00	90.31	89.20	7900.99	2186.77	1192.23	2071.81	0.14	611206.84	618382.99	N 32 40 48.01 W	104 5 0.53
	9597.00	90.31	88.99	7900.48	2280.38	1193.71	2165.79	0.22	611208.32	618478.97	N 32 40 48.02 W	104 5 0.33
	9691.00	90.28	89.26	7899.99	2373.99	1195.15	2259.78	0.29	611209.76	618570.95	N 32 40 48.03 W	104 5 0.53
	9786.00	90.38	89.10	7899.45	2468.58	1196.51	2354.77	0.20	611211.12	618665.93	N 32 40 48.04 W	104 5 0.55
	9880.00	90.24	91.09	7898.94	2562.03	1196.35	2448.76	2.12	611210.96	618759.91	N 32 40 48.04 W	104 5 0.54
	9975.00	90.45	91.18	7898.37	2656.27	1194.47	2543.74	0.24	611209.08	618854.88	N 32 40 48.02 W	104 5 0.53
	10069.00	90.21	90.57	7897.82	2749.57	1193.04	2637.73	0.70	611207.64	618948.86	N 32 40 48.00 W	104 5 0.51
	10164.00	90.38	91.30	7897.33	2843.86	1191.49	2732.72	0.79	611206.09	619043.84	N 32 40 47.98 W	104 5 0.60
	10258.00	90.24	91.31	7896.83	2937.07	1189.34	2826.69	0.15	611203.95	619137.81	N 32 40 47.96 W	104 5 0.49
	10447.00	90.17	90.73	7896.15	3124.61	1185.88	3015.68	0.31	611200.59	619326.78	N 32 40 47.92 W	104 5 0.47
	10541.00	90.35	91.12	7895.72	3217.90	1184.46	3109.64	0.48	611199.07	619420.74	N 32 40 47.91 W	104 5 0.46
	10636.00	90.24	90.97	7895.24	3311.17	1182.75	3203.63	0.20	611197.36	619514.71	N 32 40 47.89 W	104 5 0.45
	10729.00	90.35	90.80	7894.76	3404.47	1181.30	3297.62	0.22	611195.90	619608.69	N 32 40 47.87 W	104 5 0.44
	10824.00	90.27	90.82	7894.24	3498.78	1179.95	3392.60	0.09	611194.56	619703.67	N 32 40 47.86 W	104 5 0.43
	10918.00	90.34	91.17	7893.74	3592.06	1178.32	3486.59	0.38	611192.93	619797.65	N 32 40 47.84 W	104 5 0.41
	11107.00	90.45	91.11	7892.44	3779.55	1174.56	3675.55	0.07	611189.17	619896.59	N 32 40 47.80 W	104 5 0.39
	11201.00	90.27	90.82	7891.85	3872.83	1172.98	3769.53	0.38	611187.59	620080.57	N 32 40 47.78 W	104 5 0.38
	11296.00	90.03	90.55	7891.60	3967.17	1171.84	3864.52	0.36	611186.45	620175.55	N 32 40 47.76 W	104 5 0.37
	11390.00	89.93	91.08	7891.63	4060.48	1170.51	3958.51	0.57	611185.11	620269.53	N 32 40 47.75 W	104 5 0.36
	11484.00	89.90	90.79	7891.77	4153.78	1168.97	4052.50	0.31	611183.58	620363.51	N 32 40 47.73 W	104 5 0.35
	11579.00	89.86	90.74	7891.97	4248.09	1167.70	4147.49	0.07	611182.31	620458.49	N 32 40 47.72 W	104 5 0.34
	11673.00	89.90	90.67	7892.17	4341.43	1166.55	4241.49	0.09	611181.16	620552.48	N 32 40 47.70 W	104 5 0.33
	11767.00	89.83	91.15	7892.39	4434.73	1165.05	4335.47	0.52	611179.66	620646.46	N 32 40 47.69 W	104 5 0.32
	11862.00	89.83	90.91	7892.67	4528.99	1163.35	4430.46	0.25	611177.96	620741.43	N 32 40 47.67 W	104 5 0.30
	11956.00	89.83	90.91	7892.95	4622.29	1161.85	4524.45	0.00	611176.46	620835.41	N 32 40 47.65 W	104 5 0.29
	12050.00	89.86	90.68	7893.20	4715.59	1160.40	4618.43	0.08	611175.01	620929.39	N 32 40 47.63 W	104 5 0.28
	12145.00	89.69	90.92	7893.58	4808.88	1159.92	4713.42	0.19	611173.53	621024.37	N 32 40 47.62 W	104 5 0.27
	12239.00	89.76	91.05	7894.03	4903.16	1157.26	4807.41	0.15	611171.80	621118.35	N 32 40 47.60 W	104 5 0.26
	12428.00	89.79	88.89	7894.77	5091.09	1157.39	4896.39	1.14	611172.00	621307.32	N 32 40 47.59 W	104 5 0.24
	12522.00	89.86	88.96	7895.06	5184.73	1159.13	5090.38	0.13	611173.74	621401.30	N 32 40 47.61 W	104 5 0.23
	12616.00	89.65	89.03	7895.48	5278.35	1160.76	5184.36	0.23	611175.36	621495.27	N 32 40 47.62 W	104 5 0.22
	12710.00	89.79	88.89	7895.92	5371.99	1162.48	5278.35	0.21	611177.07	621589.25	N 32 40 47.64 W	104 5 0.21
	12804.00	89.93	89.03	7896.38	5559.25	1165.87	5466.31	0.11	611180.48	621777.20	N 32 40 47.67 W	104 5 0.18
	12993.00	89.79	89.12	7896.61	5653.87	1167.41	5551.30	0.18	611182.02	621872.18	N 32 40 47.68 W	104 5 0.17
	13087.00	89.42	89.55	7897.26	5747.44	1168.50	5655.29	0.60	611183.11	621966.16	N 32 40 47.69 W	104 5 0.16
	13181.00	89.97	88.83	7897.76	5841.04	1169.83	5749.28	0.96	611184.44	622060.14	N 32 40 47.70 W	104 5 0.15
	13276.00	89.79	88.66	7897.96	5935.70	1171.91	5844.26	0.26	611186.52	622155.11	N 32 40 47.72 W	104 5 0.14
	13370.00	89.76	88.77	7898.33	6029.37	1174.02	5938.23	0.12	611188.82	622249.08	N 32 40 47.74 W	104 5 0.13
	13464.00	89.72	89.02	7898.75	6123.01	1175.83	6032.21	0.27	611190.44	622343.05	N 32 40 47.75 W	104 5 0.12
	13559.00	89.62	89.21	7899.30	6217.61	1177.30	6127.20	0.23	611191.90	622438.03	N 32 40 47.76 W	104 5 0.11
	13653.00	89.14	88.89	7900.32	6311.23	1178.85	6221.18	0.61	611193.46	622532.00	N 32 40 47.78 W	104 5 0.09
	13747.00	88.87	89.04	7901.95	6404.85	1180.55	6315.15	0.33	611195.16	622625.97	N 32 40 47.79 W	104 5 0.08
	13841.00	88.90	89.09	7903.78	6498.45	1182.09	6409.12	0.06	611196.89	622719.93	N 32 40 47.80 W	104 5 0.07
	13935.00	88.49	89.23	7905.92	6592.03	1183.46	6503.09	0.46	611198.07	622813.89	N 32 40 47.81 W	104 5 0.06
	14030.00	88.52	89.74	7908.40	6686.54	1184.32	6598.05	0.54	611198.92	622908.84	N 32 40 47.82 W	104 5 0.05
	14124.00	88.63	91.20	7910.74	6779.89	1183.55	6692.02	1.56	611198.15	623002.80	N 32 40 47.81 W	104 5 0.04
	14219.00	88.83	91.30	7912.84	6874.09	1181.47	6786.97	0.24	611196.08	623097.74	N 32 40 47.79 W	104 5 0.03
	14407.00	88.83	91.21	7917.01	7069.50	1177.36	6974.88	0.12	611191.97	623285.64	N 32 40 47.74 W	104 5 0.02
	14501.00	88.70	91.07	7919.20	7163.72	1175.49	7068.84	0.17	611190.10	623379.58	N 32 40 47.72 W	104 5 0.01
	14596.00	88.67	91.12	7921.19	7249.96	1173.69	7162.80	0.19	611188.30	623473.54	N 32 40 47.70 W	104 5 0.00
	14690.00	88.83	91.12	7923.07	7341.19	1171.84	7257.76	0.00	611187.04	623565.49	N 32 40 47.68 W	104 5 0.00
	14784.00	88.67	91.16	7925.12	7434.42	1169.94	7351.72	0.17	611184.55	623656.44	N 32 40 47.66 W	104 5 0.00
	14878.00	88.53	91.2									

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 ° ' ")
Proj. to bit	18201.00	89.88	88.88	7976.83	10831.77	1177.74	10767.59	0.00	611192.34	627078.02	N 32 40 47.65 W 104 3 16.79	

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	1/88.425	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Oxy Turkey Track 9-10 State 21H Gyro to 70 deg+MWD 0-18201
	1	26.500	26.500	Act Stns	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Oxy Turkey Track 9-10 State 21H Gyro to 70 deg+MWD 0-18201
	1	26.500	8262.000	Act Stns	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Oxy Turkey Track 9-10 State 21H Gyro to 70
	1	8262.000	18201.000	Act Stns	30.000	30.000	NAL_MWD_HDGM+SAG	Original Borehole / Oxy Turkey Track 9-10 State 21H Gyro to 70