

Oilfield Services, Central U.S. Land
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

30-015-44432

July 25, 2018

OXY USA WTP LP

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 22 2019

RECEIVED

Re:

4, 19S, 29E, Eddy NM
N 32.68641 W -104.08717

CLIENT: OXY USA WTP LP
WELL: Turkey Track 4-3 State 34H
FIELD: Turkey Track Bone Spring

RIG: H&P 617
COUNTY: Eddy
API NO: 30-015-44432
JOB NO: 18MLD3572

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>
Tyler Matthews FE	Turkey Track 4-3 State 34H Original Hole	421.00 Ft to 18932.00 Ft	June 22, 2018 to July 6, 2018	TelePacer

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

Cody Nelms
Field Service Manager

Oilfield Services, Central U.S. Land
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)
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Schlumberger

Well Reference:

4, 19S, 29E, Eddy NM
N 32.68641 W -104.08717

I, Tyler Matthews certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of June 22, 2018 through July 06, 2018, conduct or supervise the taking of the TelePacer surveys from a depth of 421.00 feet to a depth of 18932.00 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 4-3 State 34H Well (Original Hole) API No. 30-015-44432 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.

Tyler Matthews

By
Tyler Matthews
FE

Subscribed and Sworn to before me this 25th day of July (month) 2018 (yr)

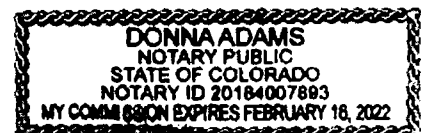
My Commission expires:

2-16-2022

D. Adams
Notary Public

(signature)

Adams County Colorado
(County State)



Oxy Turkey Track 4-3 State 34H Gyro+MWD(IFR1) 0-18,968' Survey

Geodetic Report

(Def Survey)



30-01544432

Report Date: July 10, 2018 - 12:01 AM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Turkey Track 4-3 State 34H / Oxy Turkey Track 4-3 State 34H
 Well: Oxy Turkey Track 4-3 State 34H
 Borehole: Original Borehole
 UTM / API#: Unknown / 30-015-44432
 Survey Name: Oxy Turkey Track 4-3 State 34H Gyro+MWD(IFR1) 0-18,968'
 Survey Date: June 21, 2018
 Tool / AHD / ODI / ERD Ratio: 184.705" / 11415.483 R / 6.652 / 1.281
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 41' 11.06155", W 104° 5' 13.79802"
 Location Grid N/E Y/X: N 613533.550 RUS, E 617072.540 RUS
 CRS Grid Convergence Angle: 0.1329°
 Grid Scale Factor: 0.99991568
 Version / Patch: 2.10.720.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 95.995° (Grid North)
 Vertical Section Origin: 0.000 R, 0.000 R
 TVD Reference Datum: RKB+26.5'
 TVD Reference Elevation: 3434.600 ft above MSL
 Seabed / Ground Elevation: 3468.100 ft above MSL
 Magnetic Declination: 7.394°
 Total Gravity Field Strength: 998.5142mgm (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48085.456 nT
 Magnetic Dip Angle: 60.485°
 Declination Date: June 21, 2018
 Magnetic Declination Model: HDGM 2018
 North Reference: Grid North
 Grid Convergence Used: 0.1329°
 Total Corr Mag North->Grid North: 7.2612°
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azine Grid (ft)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northings (RUS)	Eastings (RUS)	Latitude (N/S ° ° ' ")	Longitude (E/W ° ° ' ")
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	613533.55	617072.54	N 32 41 11.06 W 104	S 13.80
BHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	613533.55	617072.54	N 32 41 11.06 W 104	S 13.80
	99.00	0.10	350.97	99.00	-0.02	0.08	-0.01	0.14	613533.61	617072.53	N 32 41 11.06 W 104	S 13.80
	158.10	0.25	338.60	158.10	-0.09	0.23	-0.07	0.26	613533.78	617072.47	N 32 41 11.06 W 104	S 13.80
	216.30	0.50	205.49	216.30	-0.24	0.12	-0.23	1.19	613533.67	617072.31	N 32 41 11.06 W 104	S 13.80
	273.90	0.63	261.24	273.90	-0.63	-0.15	-0.65	0.97	613533.40	617071.89	N 32 41 11.06 W 104	S 13.81
	421.00	0.13	325.64	420.99	-1.53	-0.10	-1.55	0.40	613533.45	617070.99	N 32 41 11.06 W 104	S 13.82
	483.00	0.07	180.27	482.99	-1.57	-0.08	-1.59	0.31	613533.47	617070.95	N 32 41 11.06 W 104	S 13.82
	607.00	0.07	242.30	606.99	-1.63	-0.19	-1.66	0.06	613533.38	617070.88	N 32 41 11.06 W 104	S 13.82
	760.00	0.07	85.84	759.99	-1.61	-0.23	-1.65	0.09	613533.32	617070.89	N 32 41 11.06 W 104	S 13.82
	853.00	0.07	344.48	852.99	-1.58	-0.17	-1.60	0.12	613533.38	617070.94	N 32 41 11.06 W 104	S 13.82
	944.00	0.09	20.35	943.99	-1.58	-0.05	-1.59	0.08	613533.50	617070.95	N 32 41 11.06 W 104	S 13.82
	1036.00	0.07	224.43	1035.99	-1.60	-0.02	-1.61	0.17	613533.53	617070.93	N 32 41 11.06 W 104	S 13.82
	1128.00	0.07	173.02	1127.99	-1.62	-0.12	-1.64	0.07	613533.43	617070.90	N 32 41 11.06 W 104	S 13.82
	1219.00	0.13	66.20	1218.99	-1.52	-0.14	-1.54	0.18	613533.41	617071.00	N 32 41 11.06 W 104	S 13.82
	1402.00	0.07	238.69	1401.99	-1.42	-0.11	-1.44	0.11	613533.44	617071.10	N 32 41 11.06 W 104	S 13.81
	1493.00	0.09	142.98	1492.99	-1.42	-0.20	-1.45	0.13	613533.35	617071.09	N 32 41 11.06 W 104	S 13.81
	1585.00	0.07	205.30	1584.99	-1.39	-0.31	-1.43	0.09	613533.24	617071.11	N 32 41 11.06 W 104	S 13.81
	1677.00	0.07	33.12	1676.99	-1.38	-0.31	-1.42	0.15	613533.24	617071.12	N 32 41 11.06 W 104	S 13.81
	1767.00	0.13	259.31	1766.99	-1.45	-0.29	-1.49	0.21	613533.28	617071.05	N 32 41 11.06 W 104	S 13.82
	1860.00	0.07	64.15	1859.99	-1.51	-0.28	-1.54	0.21	613533.27	617071.00	N 32 41 11.06 W 104	S 13.82
	1952.00	0.09	64.96	1951.99	-1.40	-0.22	-1.43	0.02	613533.33	617071.11	N 32 41 11.06 W 104	S 13.81
	2044.00	0.07	158.91	2043.99	-1.31	-0.25	-1.34	0.13	613533.30	617071.20	N 32 41 11.06 W 104	S 13.81
	2139.00	0.13	80.58	2138.99	-1.18	-0.28	-1.21	0.14	613533.27	617071.33	N 32 41 11.06 W 104	S 13.81
	2423.00	0.09	194.18	2422.99	-0.90	-0.45	-0.95	0.07	613533.10	617071.59	N 32 41 11.06 W 104	S 13.81
	2518.00	0.07	94.30	2517.99	-0.85	-0.52	-0.91	0.13	613533.03	617071.63	N 32 41 11.06 W 104	S 13.81
	2612.00	0.07	277.52	2611.99	-0.85	-0.52	-0.91	0.15	613533.03	617071.63	N 32 41 11.06 W 104	S 13.81
	2707.00	0.07	207.88	2706.99	-0.93	-0.56	-1.00	0.08	613532.99	617071.54	N 32 41 11.06 W 104	S 13.81
	2802.00	0.13	37.13	2801.99	-0.90	-0.53	-0.96	0.21	613533.02	617071.58	N 32 41 11.06 W 104	S 13.81
	2896.00	0.13	245.71	2895.99	-0.93	-0.49	-0.99	0.27	613533.06	617071.55	N 32 41 11.06 W 104	S 13.81
	2907.00	0.07	116.25	2906.99	-0.94	-0.50	-1.00	1.68	613533.05	617071.54	N 32 41 11.06 W 104	S 13.81
	3102.00	0.08	102.01	3101.99	-0.68	-0.58	-0.74	0.01	613532.97	617071.80	N 32 41 11.06 W 104	S 13.81
	3198.00	1.18	223.19	3197.98	-1.20	-1.32	-1.34	1.28	613532.73	617071.20	N 32 41 11.05 W 104	S 13.81
	3292.00	3.92	222.55	3291.88	-3.70	-4.39	-4.10	2.92	613529.16	617068.38	N 32 41 11.02 W 104	S 13.85
	3387.00	6.05	221.72	3386.52	-8.55	-10.52	-9.71	2.24	613523.03	617062.63	N 32 41 10.96 W 104	S 13.91
	3482.00	8.29	216.49	3480.77	-14.95	-19.76	-17.11	2.45	613513.79	617055.43	N 32 41 10.87 W 104	S 14.00
	3671.00	12.87	203.72	3668.53	-28.29	-50.01	-33.69	2.71	613480.54	617038.85	N 32 41 10.57 W 104	S 14.19
	3765.00	13.77	200.94	3768.00	-34.36	-70.04	-41.90	1.17	613463.51	617030.64	N 32 41 10.37 W 104	S 14.29
	3860.00	13.47	202.24	3850.33	-40.37	-80.84	-50.13	0.45	613442.71	617022.41	N 32 41 10.16 W 104	S 14.39
	3955.00	13.41	202.38	3942.73	-46.57	-111.27	-58.51	0.07	613422.29	617014.03	N 32 41 9.96 W 104	S 14.49
	4049.00	13.40	202.31	4034.17	-52.71	-131.43	-66.80	0.02	613402.13	617005.75	N 32 41 9.76 W 104	S 14.58
	4144.00	13.38	200.93	4126.59	-58.63	-151.88	-74.90	0.34	613381.69	616997.64	N 32 41 9.56 W 104	S 14.68
	4238.00	13.38	198.59	4218.04	-63.81	-172.35	-82.26	0.58	613361.22	616990.29	N 32 41 9.36 W 104	S 14.77
	4333.00	12.78	194.75	4310.57	-67.80	-192.93	-88.44	1.11	613340.64	616984.11	N 32 41 9.15 W 104	S 14.84
	4427.00	13.23	191.97	4402.16	-70.50	-213.50	-93.31	0.82	613320.07	616979.23	N 32 41 8.95 W 104	S 14.90
	4521.00	13.16	191.56	4493.58	-72.68	-234.51	-97.89	0.12	613299.06	616974.88	N 32 41 8.74 W 104	S 14.95
	4616.00	12.84	193.00	4580.25	-75.02	-255.39	-102.25	0.49	613278.19	616970.30	N 32 41 8.54 W 104	S 15.00
	4711.00	12.82	194.18	4678.93	-77.78	-275.65	-107.16	0.42	613257.82	616965.39	N 32 41 8.34 W 104	S 15.08
	4805.00	12.55	195.88	4770.69	-80.98	-295.35	-112.44	0.39	613238.22	616960.11	N 32 41 8.14 W 104	S 15.12
	4900.00	12.62	198.52	4863.41	-85.00	-315.12	-118.58	0.61	613218.45	616953.99	N 32 41 7.95 W 104	S 15.19
	4994.00	12.30	200.70	4955.19	-89.77	-334.23	-125.38	0.61	613199.35	616947.19	N 32 41 7.76 W 104	S 15.27
	5089.00	11.91	202.47	5048.08	-95.12	-362.78	-132.69	0.57	613180.83	616939.87	N 32 41 7.57 W 104	S 15.36
	5183.00	11.91	204.53	5140.08	-100.95	-370.54	-140.42	0.45	613163.04	616932.13	N 32 41 7.40 W 104	S 15.45
	5278.00	12.03	205.43	5232.99	-107.38	-388.40	-148.74	0.23	613145.19	616923.81	N 32 41 7.22 W 104	S 15.55
	5373.00	12.03	204.67	5325.91	-113.82	-406.33	-157.12	0.17	613127.25	616915.43	N 32 41 7.04 W 104	S 15.65
	5467.00	11.85	201.59	5417.87	-119.56	-424.21	-164.78	0.70	613109.38	616907.79	N 32 41 6.87 W 104	S 15.74
	5562.00	11.88	201.03	5510.84	-124.71	-442.41	-171.68	0.13	613091.18	616900.89	N 32 41 6.69 W 104	S 15.82
	5656.00	11.80	198.78	5602.84	-129.35	-460.94	-178.43	0.50	613073.05	616894.13	N 32 41 6.51 W 104	S 15.90
	5751.00	11.85	197.59	5695.88	-133.42	-478.88	-184.45	0.30	613054.71	616888.11	N 32 41 6.33 W 104	S 15.97
	5845.00	11.87	195.88	5787.92	-138.96	-497.07	-189.91	0.37	613036.32	616880.64	N 32 41 6.15 W 104	S 16.03
	5940.00	11.75	193.90	5880.99	-139.93	-515.70	-194.86	0.43	613017.89	616877.69	N 32 41 5.96 W 104	S 16.09
	6035.00	11.78	191.88	5973.95	-142.28	-534.58	-199.20	0.41	612999.02	616870.36	N 32 41 5.78 W 104	S 16.14
	6129.00	11.58	190.69	6066.01	-144.05	-553.22	-202.94	0.36	612980.38	616865.82	N 32 41 5.59 W 104	S 16.19
	6223.00	11.12	189.97	6158.17	-145.45	-571.40	-206.28	0.49	612962.19	616866.30	N 32 41 5.41 W 104	S 16.23
	6318.00	11.01	189.92	6251.41	-148.70	-589.36	-209.40	0.12	612944.24	616863.15	N 32 41 5.23 W 104	S 16.26
	6412.00	11.46	192.01	6343.61	-148.30	-607.34	-212.89	0.65	612926.26	616859.68	N 32 41 5.06 W 104	S 16.31
	6507.00	11.27	195.63	6436.74	-150.84	-625.51	-217.38	0.78	612908.09	616855.20	N 32 41 4.88 W 104	S 16.36
	6601.00	11.25	200.08	6528.94	-154.81	-642.97	-222.99	0.92	612890.84	616849.58	N 32 41 4.70 W 104	S 16.42
	6696.00	11.29	204.86	6622.11	-159.87	-660.11	-230.07	0.98	612873.50	616842.48	N 32 41 4.54 W 104	S 16.51
	6790.00	11.51	205.34	6714.25	-165.95	-678.93	-237.96	0.25	612856.87	616834.60	N 32 41 4.37 W 104	S 16.60
	6885.00	11.40	205.34	6807.38	-172.20	-693.89	-246.03	0.12	612839.82	616826.53	N 32 41 4.20 W 104	S 16.70
	6979.00	11.48	205.11	6899.50	-178.34	-710.84	-253.97	0.08	612822.77	616818.59	N 32 41 4.03 W 104	S 16.79
	7074.00	11.31	206.79	6992.63	-184.73	-727.70	-262.17	0.38	612805.91	616810.39	N 32 41 3.87 W 104	S 16.89
	7168.00	11.16	205.75	7084.82	-191.08	-744.12	-270.28	0.27	612789.49	616802.28	N 32 41 3.71 W 104	S 16.98
	7262.00	11.20	202.32	7177.04	-196.72	-760.76	-277.70	0.71	612772.66	616794.87	N 32 41 3.54 W 104	S 17.07
	7357.00	11.1										

Comments	MD	Ind	Adm Grid	TVD	VSEC	NS	EW	DLS	Northing	Eastng	Latitude	Longitude
				(ft)	(ft)	(ft)	(ft)	(1000)	(ft)	(ft)	(N 09 55.7)	(W 104 51.7)
	7735.00	10.97	181.58	7641.94	-183.54	-345.14	-383.34	1.71	612638.48	616786.20	N 32 41 2.51	W 104 51.71
	7820.00	10.86	183.86	7735.26	-182.08	-481.50	-278.57	1.45	612637.12	616794.99	N 32 41 2.51	W 104 51.70
	7904.00	11.27	150.94	7827.31	-174.94	-477.48	-264.06	0.87	612656.14	616804.50	N 32 41 2.59	W 104 51.66
	8016.00	10.69	142.56	7920.75	-183.33	-482.63	-257.97	1.37	612640.88	616814.39	N 32 41 2.24	W 104 51.64
	8120.00	9.78	140.78	8020.11	-150.68	-408.08	-248.75	1.13	612626.76	616825.81	N 32 41 2.08	W 104 51.61
	8214.00	9.44	133.16	8112.78	-138.40	-416.68	-236.87	0.48	612616.75	616835.89	N 32 41 1.98	W 104 51.60
	8309.00	15.12	120.07	8205.62	-122.38	-431.00	-220.83	1.26	612602.83	616851.73	N 32 41 1.98	W 104 51.58
	8403.00	22.52	113.62	8294.54	-83.99	-444.34	-193.89	0.17	612602.83	616851.73	N 32 41 1.98	W 104 51.58
	8485.00	31.91	121.33	8378.95	-53.66	-464.77	-165.46	1.34	612582.10	616871.09	N 32 41 1.52	W 104 51.54
	8581.00	34.76	118.49	8456.32	-4.13	-496.14	-140.54	0.86	612542.88	616922.33	N 32 41 1.28	W 104 51.51
	8687.00	32.27	105.68	8531.96	17.40	-1023.70	-140.54	12.95	612542.88	616922.33	N 32 41 1.05	W 104 51.51
	8782.00	48.84	88.27	8602.78	118.39	-1030.48	81.77	12.78	612509.84	617013.97	N 32 41 0.83	W 104 51.78
	8876.00	60.36	83.57	8683.48	184.29	-1036.48	169.18	14.53	612509.84	617013.97	N 32 41 0.86	W 104 51.78
	8971.00	74.15	90.43	8763.41	276.22	-1033.74	269.32	13.88	612499.77	617241.70	N 32 41 0.83	W 104 51.85
	9065.00	71.61	88.13	8843.41	368.88	-1033.74	269.32	9.64	612503.46	617332.84	N 32 41 0.83	W 104 51.78
	9160.00	82.17	85.07	8923.35	459.52	-1023.68	353.85	5.44	612509.86	617426.36	N 32 41 0.86	W 104 51.69
	9254.00	86.36	85.07	9003.35	551.78	-1023.68	447.32	2.43	612518.18	617519.82	N 32 41 0.82	W 104 51.59
	9348.00	89.38	87.65	9083.35	643.56	-1018.45	540.15	1.41	612524.84	617614.64	N 32 41 0.87	W 104 51.54
	9442.00	89.81	85.49	9163.35	735.32	-1008.70	638.85	2.43	612534.84	617712.33	N 32 41 1.06	W 104 51.53
	9536.00	89.81	85.49	9243.35	827.07	-1002.04	738.85	1.08	612534.84	617712.33	N 32 41 1.13	W 104 51.53
	9630.00	87.48	86.26	9323.35	918.87	-988.55	838.53	2.88	612535.50	617877.08	N 32 41 1.18	W 104 51.53
	9724.00	89.48	86.26	9403.35	1010.62	-988.55	938.53	1.03	612535.50	617877.08	N 32 41 1.18	W 104 51.53
	9818.00	89.82	90.21	9483.35	1102.35	-998.14	1038.53	1.03	612535.50	618055.89	N 32 41 1.18	W 104 51.53
	9912.00	89.82	90.21	9563.35	1194.08	-998.14	1138.53	1.03	612535.50	618055.89	N 32 41 1.18	W 104 51.53
	10006.00	89.59	90.13	9643.35	1285.81	-998.14	1238.53	0.30	612534.56	618234.95	N 32 41 1.15	W 104 49.88
	10100.00	89.59	90.13	9723.35	1377.54	-998.14	1338.53	0.30	612534.56	618234.95	N 32 41 1.15	W 104 49.88
	10194.00	88.52	90.16	9803.35	1469.27	-998.14	1438.53	0.48	612534.56	618414.01	N 32 41 1.14	W 104 49.87
	10288.00	88.52	90.16	9883.35	1561.00	-1000.81	1538.53	0.14	612534.56	618414.01	N 32 41 1.14	W 104 49.87
	10382.00	88.52	90.16	9963.35	1652.73	-1000.81	1638.53	0.14	612534.56	618593.07	N 32 41 1.12	W 104 49.87
	10476.00	87.51	90.40	10043.35	1744.46	-1001.86	1738.53	0.80	612531.64	618772.84	N 32 41 1.12	W 104 49.87
	10570.00	87.51	90.40	10123.35	1836.19	-1001.86	1838.53	0.14	612531.64	618772.84	N 32 41 1.12	W 104 49.87
	10664.00	87.51	90.40	10203.35	1927.92	-1001.86	1938.53	0.14	612531.64	618951.90	N 32 41 1.10	W 104 49.87
	10758.00	87.51	90.40	10283.35	2019.65	-1001.86	2038.53	0.14	612531.64	618951.90	N 32 41 1.10	W 104 49.87
	10852.00	87.51	90.40	10363.35	2111.38	-1001.86	2138.53	0.14	612531.64	619130.96	N 32 41 1.08	W 104 49.87
	10946.00	87.51	90.40	10443.35	2203.11	-1001.86	2238.53	0.14	612531.64	619130.96	N 32 41 1.08	W 104 49.87
	11040.00	87.51	90.40	10523.35	2294.84	-1001.86	2338.53	0.14	612531.64	619309.02	N 32 41 1.06	W 104 49.87
	11134.00	87.51	90.40	10603.35	2386.57	-1001.86	2438.53	0.14	612531.64	619309.02	N 32 41 1.06	W 104 49.87
	11228.00	87.51	90.40	10683.35	2478.30	-1001.86	2538.53	0.14	612531.64	619488.08	N 32 41 1.04	W 104 49.87
	11322.00	87.51	90.40	10763.35	2569.83	-1001.86	2638.53	0.14	612531.64	619488.08	N 32 41 1.04	W 104 49.87
	11416.00	87.51	90.40	10843.35	2661.36	-1001.86	2738.53	0.14	612531.64	619667.14	N 32 41 1.02	W 104 49.87
	11510.00	87.51	90.40	10923.35	2752.89	-1001.86	2838.53	0.14	612531.64	619667.14	N 32 41 1.02	W 104 49.87
	11604.00	87.51	90.40	11003.35	2844.42	-1001.86	2938.53	0.14	612531.64	619846.20	N 32 41 1.00	W 104 49.87
	11698.00	87.51	90.40	11083.35	2935.95	-1001.86	3038.53	0.14	612531.64	619846.20	N 32 41 1.00	W 104 49.87
	11792.00	87.51	90.40	11163.35	3027.48	-1001.86	3138.53	0.14	612531.64	620025.26	N 32 41 0.98	W 104 49.87
	11886.00	87.51	90.40	11243.35	3119.01	-1001.86	3238.53	0.14	612531.64	620025.26	N 32 41 0.98	W 104 49.87
	11980.00	87.51	90.40	11323.35	3210.54	-1001.86	3338.53	0.14	612531.64	620204.32	N 32 41 0.96	W 104 49.87
	12074.00	87.51	90.40	11403.35	3302.07	-1001.86	3438.53	0.14	612531.64	620204.32	N 32 41 0.96	W 104 49.87
	12168.00	87.51	90.40	11483.35	3393.60	-1001.86	3538.53	0.14	612531.64	620383.38	N 32 41 0.94	W 104 49.87
	12262.00	87.51	90.40	11563.35	3485.13	-1001.86	3638.53	0.14	612531.64	620383.38	N 32 41 0.94	W 104 49.87
	12356.00	87.51	90.40	11643.35	3576.66	-1001.86	3738.53	0.14	612531.64	620562.44	N 32 41 0.92	W 104 49.87
	12450.00	87.51	90.40	11723.35	3668.19	-1001.86	3838.53	0.14	612531.64	620562.44	N 32 41 0.92	W 104 49.87
	12544.00	87.51	90.40	11803.35	3759.72	-1001.86	3938.53	0.14	612531.64	620741.50	N 32 41 0.90	W 104 49.87
	12638.00	87.51	90.40	11883.35	3851.25	-1001.86	4038.53	0.14	612531.64	620741.50	N 32 41 0.90	W 104 49.87
	12732.00	87.51	90.40	11963.35	3942.78	-1001.86	4138.53	0.14	612531.64	620920.56	N 32 41 0.88	W 104 49.87
	12826.00	87.51	90.40	12043.35	4034.31	-1001.86	4238.53	0.14	612531.64	620920.56	N 32 41 0.88	W 104 49.87
	12920.00	87.51	90.40	12123.35	4125.84	-1001.86	4338.53	0.14	612531.64	621100.62	N 32 41 0.86	W 104 49.87
	13014.00	87.51	90.40	12203.35	4217.37	-1001.86	4438.53	0.14	612531.64	621100.62	N 32 41 0.86	W 104 49.87
	13108.00	87.51	90.40	12283.35	4308.90	-1001.86	4538.53	0.14	612531.64	621279.68	N 32 41 0.84	W 104 49.87
	13202.00	87.51	90.40	12363.35	4400.43	-1001.86	4638.53	0.14	612531.64	621279.68	N 32 41 0.84	W 104 49.87
	13296.00	87.51	90.40	12443.35	4491.96	-1001.86	4738.53	0.14	612531.64	621458.74	N 32 41 0.82	W 104 49.87
	13390.00	87.51	90.40	12523.35	4583.49	-1001.86	4838.53	0.14	612531.64	621458.74	N 32 41 0.82	W 104 49.87
	13484.00	87.51	90.40	12603.35	4675.02	-1001.86	4938.53	0.14	612531.64	621637.80	N 32 41 0.80	W 104 49.87
	13578.00	87.51	90.40	12683.35	4766.55	-1001.86	5038.53	0.14	612531.64	621637.80	N 32 41 0.80	W 104 49.87
	13672.00	87.51	90.40	12763.35	4858.08	-1001.86	5138.53	0.14	612531.64	621816.86	N 32 41 0.78	W 104 49.87
	13766.00	87.51	90.40	12843.35	4949.61	-1001.86	5238.53	0.14	612531.64	621816.86	N 32 41 0.78	W 104 49.87
	13860.00	87.51	90.40	12923.35	5041.14	-1001.86	5338.53	0.14	612531.64	622000.92	N 32 41 0.76	W 104 49.87
	13954.00	87.51	90.40	13003.35	5132.67	-1001.86	5438.53	0.14	612531.64	622000.92	N 32 41 0.76	W 104 49.87
	14048.00	87.51	90.40	13083.35	5224.20	-1001.86	5538.53	0.14	612531.64	622179.98	N 32 41 0.74	W 104 49.87
	14142.00	87.51	90.40	13163.35	5315.73	-1001.86	5638.53	0.14	612531.64	622179.98	N 32 41 0.74	W 104 49.87
	14236.00	87.51	90.40	13243.35	5407.26	-1001.86	5738.53	0.14	612531.64	622359.04	N 32 41 0.72	W 104 49.87
	14330.00	87.51	90.40	13323.35	5498.79	-1001.86	5838.53	0.14	612531.64	622359.04	N 32 41 0.72	W 104 49.87
	14424.00	87.51	90.40	13403.35	5590.32	-1001.86	5938.53	0.14	612531.64	622538.10	N 32 41 0.70	W 104 49.87
	14518.00	87.51	90.40	13483.35	5681.85	-1001.86	6038.53	0.14	612531.64	622538.10	N 32 41 0.70	W 104 49.87
	14612.00	87.51	90.40	13563.35	5773.38	-1001.86	6138.53	0.14	612531.64	622717.16	N 32 41 0.68	W 104 49.87
	14706.00	87.51	90.40	13643.35	5864.91	-1001.86	6238.53	0.14	612531.64	622717.16	N 32 41 0.68	W 104 49.87
	14800.00	87.51	90.40	13723.35	5956.44	-1001.86	6338.53	0.14	612531.64	622896.22	N 32 41 0.66	W 104 49.87
	14894.00	87.51	90.40	13803.35	6047.97	-1001.86	6438.53	0.14	612531.64	6228		

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 ° ' ")
Final MWD	18838.00	89.33	89.55	8911.73	10078.44	-1015.12	10027.25	0.51	612518.51	627058.93	N 32 41 0.77	W 104 3 16.51
Survey	18932.00	89.38	89.61	8912.79	10171.84	-1014.44	10121.25	0.08	612519.20	627182.91	N 32 41 0.78	W 104 3 15.41
Proj. to Bit	18968.00	89.38	89.61	8913.18	10207.82	-1014.20	10157.24	0.00	612519.44	627228.91	N 32 41 0.78	W 104 3 14.99

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 ~ 3-D 95.00% Confidence 2.7855 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	28.500	1/88.425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Turkey Track 4-3 State 34H
	1	28.500	28.500	Act Strs	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Gyro+MWD(IFR1) 0-18,968' Original Borehole / Oxy Turkey Track 4-3 State 34H
	1	28.500	273.900	Act Strs	30.000	30.000	NAL_NSG+MSHOT	Gyro+MWD(IFR1) 0-18,968' Original Borehole / Oxy Turkey Track 4-3 State 34H
	1	273.900	18968.000	Act Strs	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Turkey Track 4-3 State 34H

...Original Borehole/Oxy Turkey Track 4-3 State 34H Gyro+MWD(IFR1) 0-18,968'

Schlumberger

OXY



Borehole: Original Borehole **Well:** Oxy Turkey Track 4-3 State 34H **Field:** NM Eddy County (NAD 83) **Structure:** Oxy Turkey Track 4-3 State 34H

Gravity & Magnetic Parameters **Surface Location** **Metadata**

Model: MOON 2018 Qty: 95.432P Date: 21-Jun-2018 Location: NAD83 New Mexico State Plane, Eastern Zone, US Foot Station: Oxy Turkey Track 4-3 State 34H TWD Ref: RKB=26.5' (RKB=26.5' above BSL)

MagDec: 7.394° P: 43086.48mT Gravity P: 980.91m/s² (9.8091m/s²) Lat: N 32 41 11.28 Northing: 61833.886L8 Grid Cont: 6.123P Plan: Oxy Turkey Track 4-3 State 34H Rev1 APS 05Apr18

