

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

RECEIVED

June 24, 2019

Oxy USA WTP Limited Partnership
PO Box 4294
Houston, TX 77210

NOV 07 2019

DISTRICT/ARTESIA O.C.D.

Re:

CLIENT: Oxy USA WTP Limited Partnership
WELL: Turkey Track 4-3 State 23H
FIELD: Bone Spring

RIG: H&P 656
COUNTY: EDDY
API NO: 30-015-44517
JOB NO: 19MLH0208

S4, T19S, R29E Eddy NM
N 32.6871206 W 104.0871629

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>
Raja A. Hakeem	Turkey Track 4-3 State 23H	423.00 Ft to	May 30, 2019 to	Telepacer, SlimPulse
Raja Shahreen	Side Track	17999.00 Ft	June 20, 2019	3rd Party Corrected
FE				

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

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)
Fax : (432) 742-5606 (Shared)

Schlumberger

Well Reference:
S4, T19S, R29E Eddy NM
N 32.6871206 W 104.0871629

I, Raja A. Hakeem certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of May 30, 2019 through June 20, 2019, conduct or supervise the taking of the Telepacer, SlimPulse & 3rd Party Corrected surveys from a depth of 423.00 feet to a depth of 17999.00 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 Limited Partnership for the Turkey Track 4-3 State 23H Well (Side Track) API No. 30-015-44517 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
Raja A. Hakeem
Raja Shahreen
FE



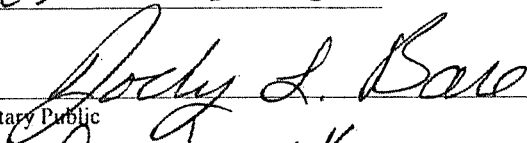
Subscribed and Sworn to before me this 24 day of June (month) 2019 (yr)

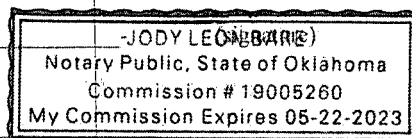
My Commission expires:

05-22-2023

Notary Public

(County State)


Grady, OK

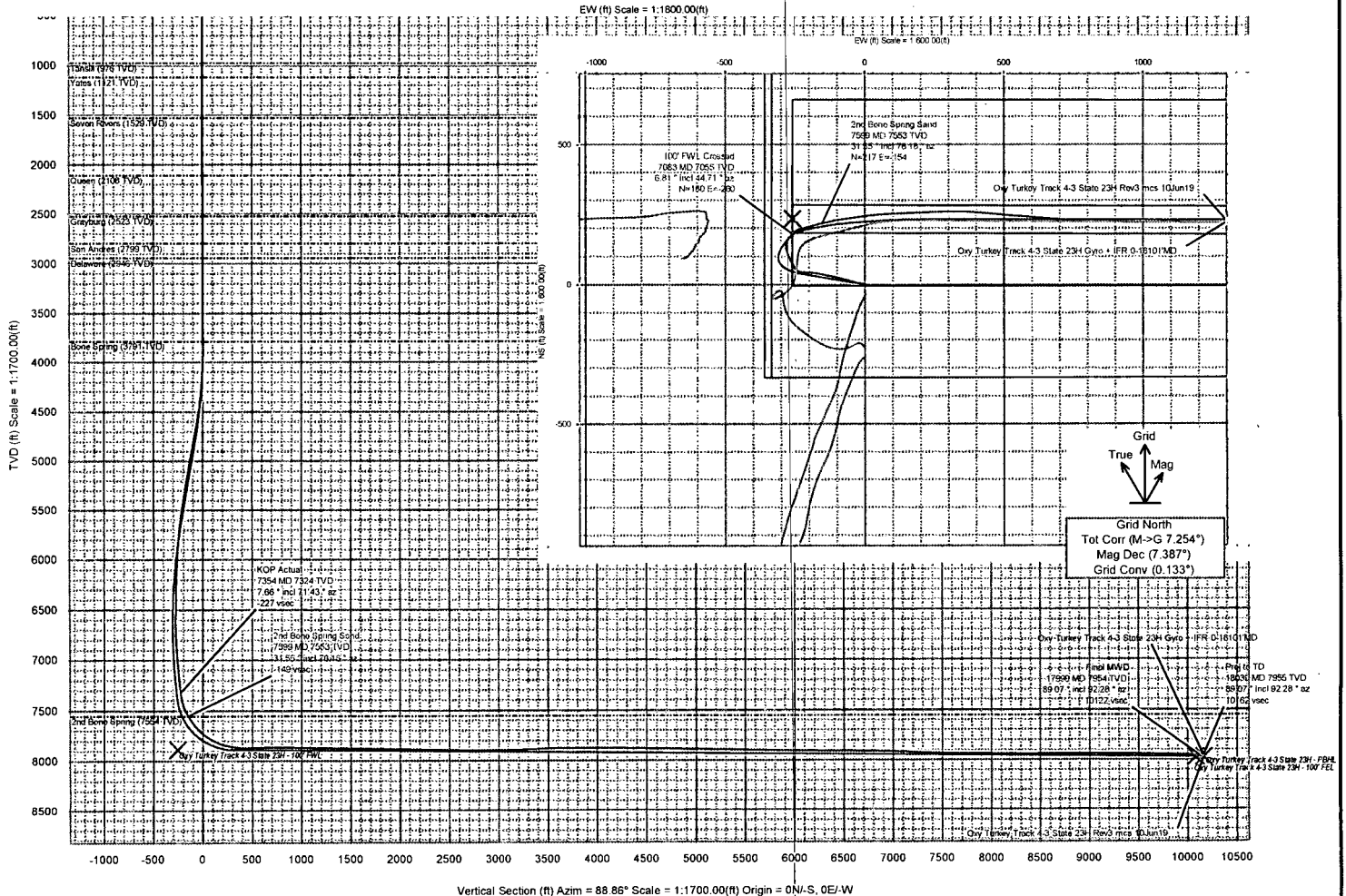
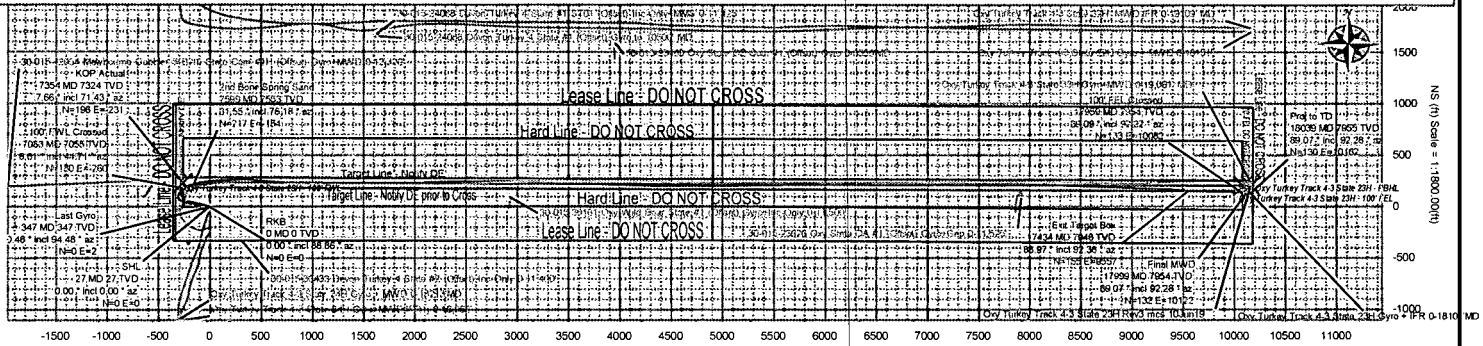


Schlumberger

OXY



Borehole:				Well:		Field:		Structure:	
Original Borehole				Oxy Turkey Track 4-3 State 23H		NM Eddy County (NAD 83)		Oxy Turkey Track 4-3 State 23H	
Gravity & Magnetic Parameters				Surface Location				Miscellaneous	
Model:	IFR1	Dip:	60.521°	Date:	10-Jun-2019	NAD83 New Mexico State Plane, Eastern Zone, US Feet		Slot:	Oxy Turkey Track
MagDec:	7.387°	FS:	48010.9nT	Gravity FS:	998.615mg (9.80665 Based)	Lat:	N 32.41 13.63	North:	613793.66ftUS
						Lon:	W 104.8 13.79	East:	617072.93ftUS
								Grid Conv:	0.1329°
								Scale Fact:	0.99991566
								Plan:	Oxy Turkey Track 4-3 State 23H Gyro + IFR 0-18039TMD
Critical Points									
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS	
RKB	0.00	0.00	88.86	0.00	0.00	0.00	0.00		
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	
Last Gyro	347.00	0.46	94.48	346.99	1.67	-0.44	1.68	1.04	
100' FWL Crossed	7083.00	6.81	44.71	7054.88	-256.12	179.84	-259.76	0.80	
KOP Actual	7354.00	7.66	71.43	7323.81	-227.12	196.38	-231.09	0.91	
2nd Bone Spring Sand	7599.15	31.55	76.18	7553.00	-149.47	216.60	-153.82	6.03	
Exit Target Box	17434.00	88.97	92.38	7945.75	9558.35	154.68	9557.17	0.07	
100' FEL Crossed	17959.00	89.09	92.22	7953.80	10082.33	133.35	10081.67	0.15	
Final MWD	17999.00	89.07	92.28	7954.44	10122.25	131.78	10121.64	0.15	
Proj to TD	18039.00	89.07	92.28	7955.09	10162.18	130.19	10161.60	0.00	
LL Crossed	18060.00								



Vertical Section (ft) Azim = 88.86° Scale = 1:1700.00(ft) Origin = 0N-S, 0E-W

Oxy Turkey Track 4-3 State 23H Gyro + IFR 0-18039' MD Survey Geodetic

Report
(Def Survey)

Report Date: June 25, 2019 - 09:47 AM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Turkey Track 4-3 State 23H / Oxy Turkey Track 4-3 State 23H
 Well: Oxy Turkey Track 4-3 State 23H
 Borehole: Original Borehole
 UWI / API#: Unknown / 30-015-44517
 Survey Name: Oxy Turkey Track 4-3 State 23H Gyro + IFR 0-18039' MD
 Survey Date: May 24, 2019
 Tort / AHD / DDI / ERD Ratio: 188.904' / 10840.948 ft / 6.667' / 1.363
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 41' 13.63430", W 104° 5' 13.78640"
 Location Grid N/E Y/X: N 613793.550 RUS, E 617072.930 RUS
 CRS Grid Convergence Angle: 0.1329°
 Grid Scale Factor: 0.99991566
 Version / Patch: 2.10.760.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 88.857° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB=26.5'
 TVD Reference Elevation: 3430.600 ft above MSL
 Seabed / Ground Elevation: 3404.100 ft above MSL
 Magnetic Declination: 7.387°
 Total Gravity Field Strength: 998.5148mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48010.900 nT
 Magnetic Dip Angle: 60.521°
 Declination Date: June 10, 2019
 Magnetic Declination Model: IFR1
 North Reference: Grid North
 Grid Convergence Used: 0.1329°
 Total Corr Mag North->Grid: 7.2541°
 North: Structure Reference Point
 Local Coord Referenced To:

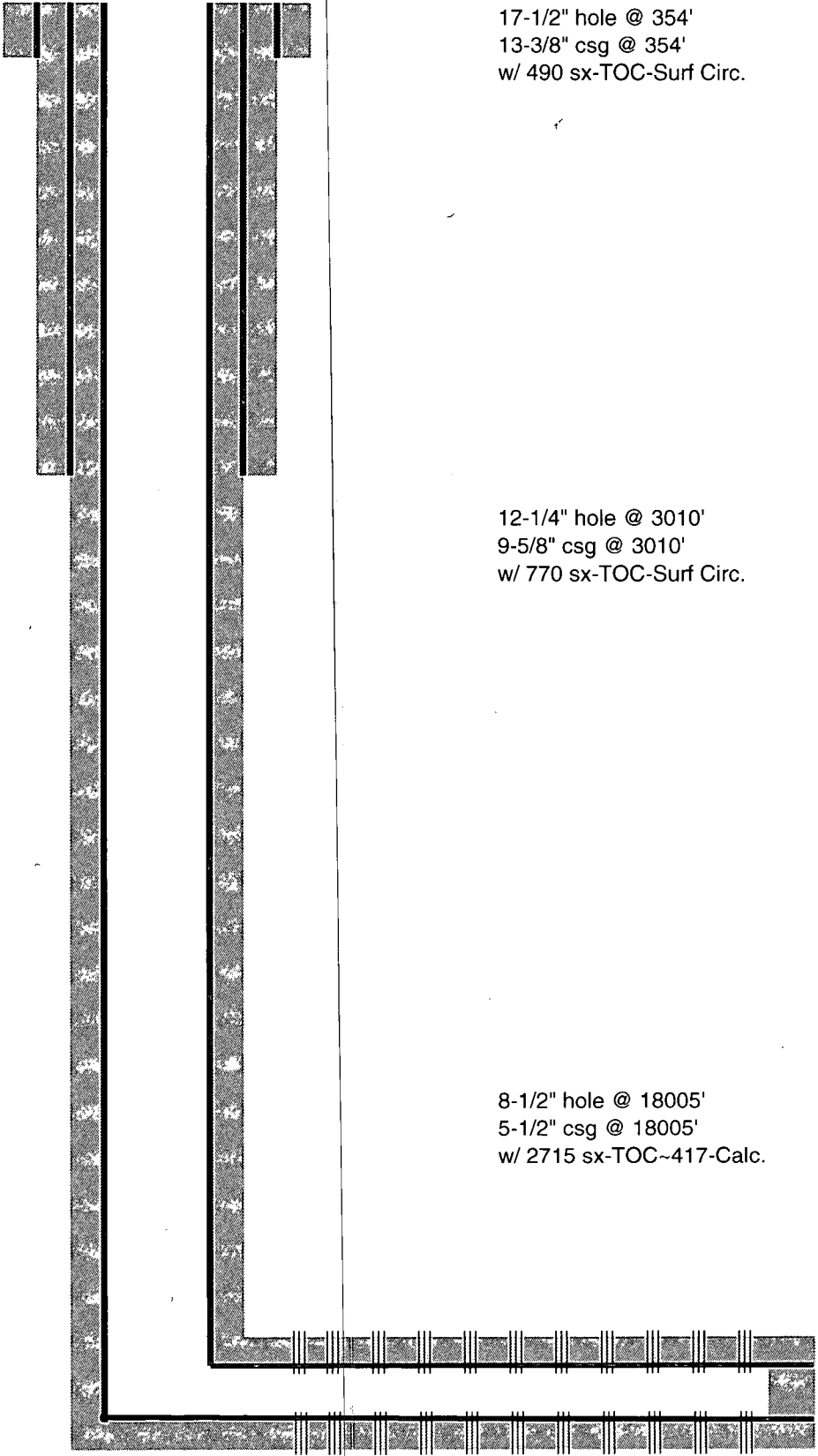
Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
RKB	0.00	0.00	88.86	0.00	0.00	0.00	0.00	N/A	613793.55	617072.93	N 32 41 13.63 W 104	5 13.79
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	613793.55	617072.93	N 32 41 13.63 W 104	5 13.79
	97.00	0.47	78.35	97.00	0.28	0.06	0.28	0.67	613793.61	617073.21	N 32 41 13.63 W 104	5 13.78
	126.00	0.38	63.86	126.00	0.49	0.12	0.49	0.48	613793.67	617073.42	N 32 41 13.64 W 104	5 13.78
	156.00	0.56	65.96	156.00	0.71	0.23	0.71	0.60	613793.78	617073.64	N 32 41 13.64 W 104	5 13.78
	183.00	0.52	68.35	183.00	0.95	0.33	0.94	0.17	613793.88	617073.87	N 32 41 13.64 W 104	5 13.78
	210.00	0.27	161.70	210.00	1.08	0.31	1.08	2.22	613793.86	617074.01	N 32 41 13.64 W 104	5 13.77
	239.00	0.56	157.90	238.99	1.15	0.12	1.15	1.00	613793.67	617074.08	N 32 41 13.64 W 104	5 13.77
	268.00	0.47	153.86	267.99	1.26	-0.12	1.26	0.33	613793.43	617074.19	N 32 41 13.63 W 104	5 13.77
	300.00	0.39	129.66	299.99	1.39	-0.31	1.40	0.61	613793.24	617074.33	N 32 41 13.63 W 104	5 13.77
	331.00	0.36	113.23	330.99	1.56	-0.42	1.57	0.36	613793.13	617074.50	N 32 41 13.63 W 104	5 13.77
Last Gyro	347.00	0.46	94.48	346.99	1.67	-0.44	1.68	1.04	613793.11	617074.61	N 32 41 13.63 W 104	5 13.77
	423.00	0.42	119.53	422.99	2.21	-0.60	2.23	0.26	613792.95	617075.16	N 32 41 13.63 W 104	5 13.76
	516.00	0.08	132.34	515.99	2.55	-0.81	2.57	0.37	613792.74	617075.50	N 32 41 13.63 W 104	5 13.76
	609.00	0.05	321.46	608.99	2.58	-0.82	2.59	0.14	613792.73	617075.52	N 32 41 13.63 W 104	5 13.76
	703.00	0.01	91.32	702.99	2.56	-0.79	2.58	0.06	613792.76	617075.51	N 32 41 13.63 W 104	5 13.76
	797.00	0.01	256.86	796.99	2.56	-0.80	2.58	0.02	613792.75	617075.51	N 32 41 13.63 W 104	5 13.76
	891.00	0.01	291.66	890.99	2.55	-0.79	2.56	0.01	613792.76	617075.49	N 32 41 13.63 W 104	5 13.76
	985.00	0.07	101.57	984.99	2.59	-0.80	2.61	0.08	613792.75	617075.54	N 32 41 13.63 W 104	5 13.76
	1079.00	0.11	89.04	1078.99	2.74	-0.81	2.76	0.05	613792.74	617075.69	N 32 41 13.63 W 104	5 13.75
	1177.00	0.01	183.64	1176.99	2.83	-0.82	2.85	0.11	613792.73	617075.78	N 32 41 13.63 W 104	5 13.75
	1271.00	0.05	295.42	1270.99	2.80	-0.81	2.81	0.06	613792.74	617075.74	N 32 41 13.63 W 104	5 13.75
	1368.00	0.05	353.01	1367.99	2.75	-0.75	2.77	0.05	613792.80	617075.70	N 32 41 13.63 W 104	5 13.75
	1462.00	0.01	277.09	1461.99	2.74	-0.71	2.76	0.05	613792.84	617075.69	N 32 41 13.63 W 104	5 13.75
	1563.00	0.01	286.78	1562.99	2.72	-0.70	2.74	0.00	613792.85	617075.67	N 32 41 13.63 W 104	5 13.75
	1657.00	0.06	326.31	1656.99	2.69	-0.66	2.70	0.06	613792.89	617075.63	N 32 41 13.63 W 104	5 13.75
	1751.00	0.01	310.43	1750.99	2.66	-0.61	2.67	0.05	613792.94	617075.60	N 32 41 13.63 W 104	5 13.76
	1845.00	0.05	335.65	1844.99	2.64	-0.57	2.65	0.04	613792.98	617075.58	N 32 41 13.63 W 104	5 13.76
	1940.00	0.01	248.62	1939.99	2.61	-0.54	2.62	0.05	613793.01	617075.55	N 32 41 13.63 W 104	5 13.76
	2034.00	0.01	277.30	2033.99	2.60	-0.54	2.61	0.01	613793.01	617075.54	N 32 41 13.63 W 104	5 13.76
	2128.00	0.01	136.83	2127.99	2.59	-0.54	2.60	0.02	613793.01	617075.53	N 32 41 13.63 W 104	5 13.76
	2223.00	0.05	151.64	2222.99	2.62	-0.59	2.63	0.04	613792.96	617075.56	N 32 41 13.63 W 104	5 13.76
	2317.00	0.05	111.48	2316.99	2.67	-0.64	2.69	0.04	613792.91	617075.62	N 32 41 13.63 W 104	5 13.75
	2412.00	0.01	136.46	2411.99	2.72	-0.66	2.73	0.04	613792.89	617075.66	N 32 41 13.63 W 104	5 13.75
	2506.00	0.01	133.67	2505.99	2.73	-0.67	2.74	0.00	613792.88	617075.67	N 32 41 13.63 W 104	5 13.75
	2601.00	0.01	83.83	2600.99	2.74	-0.68	2.76	0.01	613792.87	617075.69	N 32 41 13.63 W 104	5 13.75
	2695.00	0.01	21.43	2694.99	2.75	-0.67	2.77	0.01	613792.88	617075.70	N 32 41 13.63 W 104	5 13.75
	2789.00	0.05	126.21	2788.99	2.79	-0.68	2.80	0.06	613792.87	617075.73	N 32 41 13.63 W 104	5 13.75
	2884.00	0.05	157.35	2883.99	2.84	-0.75	2.85	0.03	613792.80	617075.78	N 32 41 13.63 W 104	5 13.75
	2908.00	0.01	328.23	2907.99	2.84	-0.75	2.86	0.25	613792.80	617075.79	N 32 41 13.63 W 104	5 13.75
	3099.00	0.08	107.30	3098.99	2.96	-0.78	2.98	0.05	613792.77	617075.90	N 32 41 13.63 W 104	5 13.75
	3193.00	0.05	181.90	3192.99	3.02	-0.84	3.04	0.09	613792.71	617075.97	N 32 41 13.63 W 104	5 13.75
	3287.00	0.08	309.45	3286.99	2.97	-0.84	2.98	0.12	613792.71	617075.91	N 32 41 13.63 W 104	5 13.75
	3381.00	0.10	261.34	3380.99	2.84	-0.81	2.85	0.08	613792.74	617075.78	N 32 41 13.63 W 104	5 13.75
	3476.00	0.05	335.43	3475.99	2.74	-0.79	2.75	0.10	613792.77	617075.68	N 32 41 13.63 W 104	5 13.75
	3570.00	0.12	282.47	3569.99	2.63	-0.73	2.64	0.10	613792.82	617075.57	N 32 41 13.63 W 104	5 13.76
	3664.00	0.35	305.69	3663.99	2.30	-0.54	2.31	0.26	613793.01	617075.24	N 32 41 13.63 W 104	5 13.76
	3758.00	0.40	330.61	3757.99	1.91	-0.08	1.92	0.18	613793.47	617074.85	N 32 41 13.63 W 104	5 13.76
	3853.00	0.22	176.20	3852.98	1.77	0.02	1.77	0.64	613793.57	617074.70	N 32 41 13.63 W 104	5 13.77
	3947.00	1.29	283.33	3946.98	0.75	0.09	0.75	1.46	613793.64	617073.68	N 32 41 13.64 W 104	5 13.78
	4041.00	2.60	280.63	4040.92	-2.36	0.72	-2.38	1.40	613793.64	617073.68	N 32 41 13.64 W 104	5 13.78
4136.00	3.60	280.24	4135.78	-7.40	1.65	-7.43	1.05	613794.27	617070.55	N 32 41 13.64 W 104	5 13.81	
4230.00	4.79	281.51	4229.53	-14.12	2.96	-14.18	1.27	613796.51	617065.50	N 32 41 13.65 W 104	5 13.87	
4420.00	6.80	283.26	4418.55	-32.75	7.12	-32.90	1.06	613800.67	617058.75	N 32 41 13.66 W 104	5 13.95	
4515.00	8.22	284.41	4512.73	-44.75	10.10	-44.96	1.50	613803.65	617040.03	N 32 41 13.71 W 104	5 14.17	
4609.00	9.38	285.26	4605.62	-58.57	13.79	-58.85	1.24	613807.34	617027.98	N 32 41 13.74 W 104	5 14.31	
4704.00	11.25	284.56	4699.08	-74.92	18.16	-75.29	1.97	613811.71	617014.08	N 32 41 13.77 W 104	5 14.47	
4798.00	10.95	283.37	4791.32	-92.39	22.53	-92.85	0.40	613816.08	616997.64	N 32 41 13.82 W 104	5 14.67	
4892.00	10.97	282.49	4883.61	-109.72	26.53	-110.27	0.18	613820.08	616980.08	N 32 41 13.86 W 104	5 14.87	
5081.00	9.54	281.29	5069.58	-142.49	33.48	-143.19	0.76	613827.03	616962.67	N 32 41 13.90 W 104	5 15.08	
5251.00	9.66	279.47	5237.20	-170.27	38.59	-171.07	0.19	613832.13	616929.75	N 32 41 13.97 W 104	5 15.46	
5299.00	9.86	277.51	5284.51	-178.29	39.79	-179.12	0.81	613833.33	616901.87	N 32 41 14.02 W 104	5 15.79	
5488.00	9.05	272.03	5470.94	-209.13	42.43	-210.02	0.64	613835.98	616893.82	N 32 41 14.03 W 104	5 15.88	
5582.00	8.78	272.59	5563.81	-223.67	43.02	-224.58	0.30	613836.56	616862.93	N 32 41 14.06 W 104	5 16.24	
5676.00	7.64	295.91	5656.87	-236.40	46.07	-237.37	3.71	613839.62	616848.37	N 32 41 14.07 W 104	5 16.41	
5771.00	7.78	319.14	5751.03	-246.14	53.70	-247.26	3.26	613847.24	616835.58	N 32 41 14.10 W 104	5 16.56	
5865.00	8.36	329.03	5844.11	-253.60	64.37	-254.94	1.60	613857.91	616825.69	N 32 41 14.17 W 104	5 16.68	
5959.00	8.47	333.57	5937.10	-259.96	76.43	-261.53	0.72	613857.91	616818.02	N 32 41 14.28 W 104	5 16.77	
6054.00	7.32	333.98	6031.19	-265.49	88.13	-267.30	1.21	613869.97	616811.42	N 32 41 14.40 W 104	5 16.84	
6148.00	5.52	334.43	6124.60	-269.88	97.59	-271.88	1.92	613881.67	616805.65	N 32 41 14.51 W 104	5 16.91	
6244.00	4.08	340.09	6220.26	-272.89	104.97	-275.04	1.58	613891.13	616801.07	N 32 41 14.61 W 104	5 16.96	
6338.00	3.48	341.22	6314.06	-274.83	110.81	-277.10	0.64	613898.51	616797.92	N 32 41 14.68 W 104	5 17.00	
6433.00	3.71	336.14	6408.87	-276.89	116.35	-279.27	0.41	613904.35	616795.86	N 32 41 14.74 W 104	5 17.03	
6527.00	5.10	345.87	6502.59	-279.00	123.19	-281.52	1.67	613909.89	616795.86	N 32 41 14.79 W 104	5 17.05	
6621.00	5.84	353.59	6596.16	-280.38	131.99	-283.07	1.11	613909.89	616793.69	N 32 41 14.79 W 104	5 17.05	
6716.00	6.35	11.36	6690.64	-279.69	141.94	-282.58	2.05	613916.73	616791.44	N 32 41 14.86 W 104	5 17.08	
6810.00	7.35	22.75	6783.97									

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 ° ' ")
100' FWL Crossed	7083.00	6.81	44.71	7054.88	-256.12	179.84	-259.76	0.80	613973.37	616813.19	N 32 41 15.42 W 104	5 16.82
	7093.00	6.79	45.36	7064.81	-255.27	180.67	-258.92	0.80	613974.21	616814.03	N 32 41 15.43 W 104	5 16.81
	7187.00	6.90	57.19	7158.15	-246.43	187.64	-250.22	1.50	613981.17	616822.73	N 32 41 15.50 W 104	5 16.71
	7282.00	7.31	67.15	7252.42	-235.96	193.08	-239.86	1.36	613986.61	616833.09	N 32 41 15.55 W 104	5 16.59
KOP Actual	7354.00	7.66	71.43	7323.81	-227.12	196.38	-231.09	0.91	613989.92	616841.86	N 32 41 15.58 W 104	5 16.48
	7441.00	12.97	77.68	7409.37	-212.00	200.32	-216.04	6.23	613993.85	616856.91	N 32 41 15.62 W 104	5 16.31
	7536.00	27.86	74.27	7498.16	-179.88	208.66	-184.08	15.72	614002.19	616888.87	N 32 41 15.70 W 104	5 15.93
2nd Bone Spring Sand	7599.15	31.55	76.18	7553.00	-149.47	216.60	-153.82	6.03	614010.14	616919.12	N 32 41 15.78 W 104	5 15.58
	7630.00	33.36	76.98	7579.03	-133.29	220.44	-137.72	6.03	614013.97	616935.22	N 32 41 15.82 W 104	5 15.39
	7724.00	40.12	81.73	7654.33	-77.87	230.64	-82.49	7.80	614024.17	616990.45	N 32 41 15.92 W 104	5 14.75
	7819.00	49.02	81.55	7721.94	-11.80	240.33	-16.60	9.37	614033.86	617056.33	N 32 41 16.01 W 104	5 13.97
	7913.00	59.09	85.59	7777.06	63.87	248.67	58.92	11.26	614042.19	617131.85	N 32 41 16.09 W 104	5 13.09
	8007.00	66.82	87.90	7819.78	147.46	253.36	142.44	8.51	614046.89	617215.36	N 32 41 16.14 W 104	5 12.11
	8102.00	76.97	87.63	7849.26	237.62	256.88	232.55	10.69	614050.41	617305.46	N 32 41 16.17 W 104	5 11.06
	8196.00	82.50	89.44	7866.01	330.08	259.23	324.97	6.18	614052.76	617397.88	N 32 41 16.19 W 104	5 9.98
	8290.00	90.05	95.53	7872.11	423.58	255.15	418.57	10.31	614048.68	617491.47	N 32 41 16.15 W 104	5 8.88
	8316.00	90.63	95.45	7871.96	449.40	252.66	444.45	2.25	614046.19	617517.35	N 32 41 16.12 W 104	5 8.58
	8475.00	91.96	94.33	7868.37	607.48	239.11	602.83	1.09	614032.64	617675.71	N 32 41 15.99 W 104	5 6.73
	8570.00	91.04	94.23	7865.88	702.02	232.02	697.53	0.97	614025.55	617770.40	N 32 41 15.91 W 104	5 5.62
	8665.00	88.99	92.60	7865.86	796.71	226.36	792.35	2.76	614019.90	617865.21	N 32 41 15.86 W 104	5 4.51
	8854.00	89.14	90.15	7868.94	985.49	221.83	981.26	1.30	614015.36	618054.10	N 32 41 15.81 W 104	5 2.30
	9042.00	89.00	90.17	7871.99	1173.41	221.31	1169.23	0.08	614014.84	618242.06	N 32 41 15.80 W 104	5 0.10
	9137.00	89.16	89.94	7873.52	1268.38	221.21	1264.22	0.29	614014.75	618337.04	N 32 41 15.79 W 104	4 58.99
	9240.00	89.19	89.38	7875.00	1371.36	221.83	1367.21	0.54	614015.36	618440.02	N 32 41 15.80 W 104	4 57.78
	9429.00	89.20	89.95	7877.66	1560.32	222.93	1556.19	0.30	614016.46	618628.98	N 32 41 15.80 W 104	4 55.57
	9617.00	89.12	90.06	7880.41	1748.26	222.91	1744.16	0.07	614016.44	618816.94	N 32 41 15.80 W 104	4 53.37
	9805.00	89.07	88.22	7883.38	1936.23	225.74	1932.11	0.98	614019.27	619004.88	N 32 41 15.82 W 104	4 51.17
	9899.00	89.27	87.81	7884.74	2030.21	228.99	2026.05	0.49	614022.52	619098.80	N 32 41 15.85 W 104	4 50.07
	9993.00	89.14	87.91	7886.05	2124.19	232.50	2119.97	0.17	614026.03	619192.72	N 32 41 15.89 W 104	4 48.98
	10097.00	88.96	88.06	7887.77	2228.16	236.16	2223.89	0.23	614029.69	619296.63	N 32 41 15.92 W 104	4 47.76
	10191.00	88.98	88.11	7889.46	2322.14	239.30	2317.82	0.06	614032.83	619390.55	N 32 41 15.95 W 104	4 46.66
	10380.00	89.15	90.05	7892.55	2511.10	242.33	2506.77	1.03	614035.86	619579.48	N 32 41 15.97 W 104	4 44.45
	10570.00	89.41	89.44	7894.93	2701.06	243.18	2696.75	0.35	614036.71	619769.45	N 32 41 15.98 W 104	4 42.23
	10759.00	90.40	90.26	7895.25	2890.03	243.67	2885.74	0.68	614037.20	619958.42	N 32 41 15.98 W 104	4 40.02
	10947.00	90.61	90.50	7893.59	3077.96	242.43	3073.73	0.17	614035.95	620146.40	N 32 41 15.96 W 104	4 37.82
	11136.00	91.56	91.90	7890.01	3266.76	238.47	3262.65	0.90	614032.00	620335.30	N 32 41 15.92 W 104	4 35.61
	11325.00	93.46	93.08	7881.73	3455.18	230.27	3451.28	1.18	614023.80	620523.91	N 32 41 15.83 W 104	4 33.40
	11419.00	91.67	92.03	7877.53	3548.89	226.08	3545.09	2.21	614019.61	620617.71	N 32 41 15.79 W 104	4 32.30
	11608.00	90.13	91.96	7874.56	3737.58	219.50	3733.94	0.82	614013.03	620806.55	N 32 41 15.72 W 104	4 30.09
	11797.00	89.75	92.20	7874.76	3926.28	212.64	3922.82	0.24	614006.18	620995.41	N 32 41 15.65 W 104	4 27.88
	11986.00	89.85	92.24	7875.42	4114.95	205.32	4111.67	0.06	613998.85	621184.25	N 32 41 15.57 W 104	4 25.67
	12174.00	89.30	91.75	7876.81	4302.66	198.78	4299.55	0.39	613992.31	621372.11	N 32 41 15.50 W 104	4 23.47
	12364.00	89.23	89.59	7879.25	4492.54	196.56	4489.51	1.14	613990.09	621562.06	N 32 41 15.47 W 104	4 21.25
	12553.00	89.08	90.12	7882.04	4681.49	197.03	4678.49	0.29	613990.57	621751.02	N 32 41 15.47 W 104	4 19.04
	12742.00	88.98	89.74	7885.23	4870.43	197.27	4867.46	0.21	613990.80	621939.97	N 32 41 15.47 W 104	4 16.83
	12836.00	88.88	89.69	7886.99	4964.40	197.73	4961.45	0.12	613991.27	622033.95	N 32 41 15.47 W 104	4 15.73
	12931.00	88.92	90.42	7888.81	5059.36	197.64	5056.43	0.77	613991.17	622128.92	N 32 41 15.47 W 104	4 14.62
	13120.00	89.35	88.46	7891.67	5248.32	199.49	5245.39	1.06	613993.02	622317.86	N 32 41 15.48 W 104	4 12.41
	13214.00	88.94	88.14	7893.07	5342.31	202.28	5339.34	0.55	613995.81	622411.80	N 32 41 15.51 W 104	4 11.31
	13403.00	88.98	88.34	7896.50	5531.27	204.08	5528.22	0.11	614001.61	622600.57	N 32 41 15.56 W 104	4 9.10
	13592.00	89.01	88.02	7899.82	5720.22	218.08	5717.09	0.17	614007.61	622789.53	N 32 41 15.62 W 104	4 6.89
	13687.00	88.75	89.36	7901.67	5815.20	216.25	5812.05	1.44	614009.79	622884.47	N 32 41 15.64 W 104	4 5.78
	13875.00	89.37	92.24	7904.76	6003.05	213.63	5999.98	1.57	614007.16	623072.39	N 32 41 15.60 W 104	4 3.58
	13970.00	89.28	90.48	7905.88	6097.95	211.37	6094.94	1.85	614004.91	623167.35	N 32 41 15.58 W 104	4 2.47
	14159.00	89.64	90.29	7907.66	6286.87	210.10	6283.93	0.22	614003.64	623356.32	N 32 41 15.56 W 104	4 0.26
	14347.00	89.53	90.33	7909.02	6474.81	209.09	6471.92	0.06	614002.62	623544.29	N 32 41 15.55 W 104	3 58.06
	14536.00	89.43	90.35	7910.73	6663.73	207.97	6660.91	0.05	614001.50	623733.27	N 32 41 15.53 W 104	3 55.85
	14725.00	89.31	89.98	7912.81	6852.67	207.42	6849.90	0.21	614000.95	623922.24	N 32 41 15.52 W 104	3 53.63
	14913.00	87.93	87.95	7917.34	7040.60	210.82	7037.80	1.31	614004.35	624110.12	N 32 41 15.55 W 104	3 51.44
	15008.00	87.88	88.11	7920.81	7135.53	214.08	7132.68	0.18	614007.61	624204.99	N 32 41 15.58 W 104	3 50.33
	15197.00	87.79	89.78	7927.95	7324.39	217.56	7321.51	0.88	614011.09	624393.80	N 32 41 15.61 W 104	3 48.12
	15386.00	88.74	90.38	7933.68	7513.26	217.29	7510.42	0.59	614010.82	624582.70	N 32 41 15.60 W 104	3 45.91
	15575.00	89.25	90.41	7935.33	7607.21	216.64	7604.40	0.54	614010.18	624776.67	N 32 41 15.59 W 104	3 44.81
	15763.00	89.73	90.39	7936.17	7702.17	215.98	7699.39	0.51	614009.51	624971.66	N 32 41 15.59 W 104	3 43.69
	15952.00	89.66	90.33	7936.67	7796.14	215.39	7793.39	0.10	614008.92	624865.65	N 32 41 15.58 W 104	3 42.59
	16140.00	89.48	90.29	7937.38	7890.10	214.88	7887.39	0.20	614008.41	624959.64	N 32 41 15.57 W 104	3 41.50
	16328.00	89.27	90.68	7938.41	7985.06	214.08	7982.38	0.47	614007.61	625054.62	N 32 41 15.56 W 104	3 40.38
	16516.00	89.31	90.82	7939.58	8079.00	212.85	8076.36	0.15	614006.38	625148.59	N 32 41 15.54 W 104	3 39.28
	16704.00	88.42	92.55	7940.62	8172.88	210.08	8170.31	1.84	614003.62	625242.54	N 32 41 15.52 W 104	3 38.18
	16892.00	89.86	92.39	7941.81	8362.49	201.90	8360.13	0.25	613995.43	625432.34	N 32 41 15.43 W 104	3 35.96
	17080.00	90.27	92.30	7941.71	8456.32	198.05	8454.05	0.45	613991.58	625526.25	N 32 41 15.39 W 104	3 34.87
	17268.00	90.00	92.41	7941.48	8551.14	194.15	8548.97	0.31	613987.68	625621.16	N 32 41 15.35 W 104	3 33.75
	17456.00	90.03	92.19	7941.46	8644.97	190.37	8642.90	0.24	613983.91	625715.08	N 32 41 15.31 W 104	3 32.66
	17644.00	89.12	92.12	7941.04	8738.81	186.78	8736.83	0.30	613980.32	625809.00	N 32 41 15.27 W 104	3 31.56
	17832.00	89.07	92.32	7940.82	8833.65	183.04	8831.75	0.24	613976.58	625903.92	N 32 41 15.23 W 104	3 30.45
	18020.00	89.62	92.12	7941.04	8927.48	179.40	8925.68	0.57	613972.94	625997.84	N 32 41 15.19 W 104	3 29.35
	18208.00	89.99	92.36									

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 ° ' ")
		1	26.500	26.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT-Depth Only		Original Borehole / Oxy Turkey Track 4-3 State 23H Gyro + IFR 0- 18039'MD		
		1	26.500	347.000	Act Stns	30.000	30.000	NAL_NSG+MSHOT		Original Borehole / Oxy Turkey Track 4-3 State 23H Gyro + IFR 0- Original Borehole / Oxy Turkey		
		1	347.000	18039.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS		Track 4-3 State 23H Gyro + IFR 0-		

...Original Borehole\Oxy Turkey Track 4-3 State 23H Gyro + IFR 0-18039'MD

OXY USA WTP LP
Turkey Track 4 3 State #23H
API No. 30-015-44517



Perfs @ 7703'-17929' TD- 18039' M 7955' V