

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:

35, 23S, 31E, Eddy NM
N 32.26787 W 103.74192

I, Maria Zapata certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of February 07, 2019 through February 13, 2019, conduct or supervise the taking of the SlimPulse & Third Party Corrected surveys from a depth of 12527.00 feet to a depth of 16680.00 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 Inc. for the Cal-Mon 35 Federal 176H ST01 Well (Side Track) API No. 30-015-45525 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.

Maria Zapata

By
Maria Zapata
FE

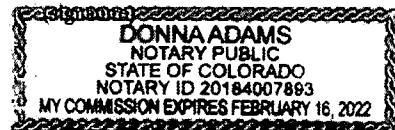
Subscribed and Sworn to before me this 19th day of February (month) 2019 (yr)

My Commission expires:

2-16-2022

D. Adams
Notary Public

Adams County Colorado
(County State)





Oxy Cal-Mon 35 Federal 176H ST01 to 16725' Survey Geodetic Report

(Def Survey)

Report Date: February 13, 2019 - 10:13 AM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Cal-Mon 35 Federal 176H / Oxy Cal-Mon 35 Federal 176H
 Well: Cal-Mon 35 Federal 176H
 Borehole: ST01
 UWI / API#: Unknown / 30-015-45525
 Survey Name: Oxy Cal-Mon 35 Federal 176H ST01 to 16725'
 Survey Date: February 06, 2019
 Tort / AHD / DDI / ERD Ratio: 203.610' / 5513.393 ft / 6.201 / 0.467
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 16' 4.34028", W 103° 44' 30.93314"
 Location Grid N/E Y/X: N 461688.660 ftUS, E 724133.160 ftUS
 CRS Grid Convergence Angle: 0.3157°
 Grid Scale Factor: 0.99994736
 Version / Patch: 2.10.753.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 176.920° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB=26.5
 TVD Reference Elevation: 3497.500 ft above MSL
 Seabed / Ground Elevation: 3471.000 ft above MSL
 Magnetic Declination: 6.791°
 Total Gravity Field Strength: 998.4458mgm (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48015.100 nT
 Magnetic Dip Angle: 59.985°
 Declination Date: February 06, 2019
 Magnetic Declination Model: IIFR 1
 North Reference: Grid North
 Grid Convergence Used: 0.3157°
 Total Corr Mag North->Grid: 6.4753°
 North: 6.4753°
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	461688.66	724133.16	N 32 16	4.34 W 103 44 30.93
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	461688.66	724133.16	N 32 16	4.34 W 103 44 30.93
	97.76	0.57	177.63	97.76	0.35	-0.35	0.01	0.80	461688.31	724133.17	N 32 16	4.34 W 103 44 30.93
	184.64	0.95	174.64	184.63	1.51	-1.50	0.10	0.44	461687.16	724133.26	N 32 16	4.33 W 103 44 30.93
	272.31	0.93	174.14	272.29	2.94	-2.93	0.24	0.02	461685.73	724133.40	N 32 16	4.31 W 103 44 30.93
	366.28	0.90	171.53	366.25	4.44	-4.42	0.43	0.05	461684.24	724133.59	N 32 16	4.30 W 103 44 30.93
	462.05	0.96	168.47	462.00	5.98	-5.95	0.70	0.08	461682.71	724133.86	N 32 16	4.28 W 103 44 30.93
	556.08	0.96	167.72	556.02	7.54	-7.49	1.02	0.01	461681.17	724134.18	N 32 16	4.27 W 103 44 30.92
	650.81	0.91	162.74	650.74	9.05	-8.99	1.42	0.10	461679.67	724134.57	N 32 16	4.25 W 103 44 30.92
	745.63	0.92	159.59	745.55	10.51	-10.42	1.90	0.05	461678.24	724135.06	N 32 16	4.24 W 103 44 30.91
	838.31	0.84	166.68	838.22	11.89	-11.78	2.32	0.15	461676.88	724135.48	N 32 16	4.22 W 103 44 30.91
Last Gyro	1008.00	0.72	163.72	1007.89	14.15	-14.01	2.91	0.07	461674.65	724136.07	N 32 16	4.20 W 103 44 30.90
	1100.00	0.17	178.72	1099.89	14.85	-14.70	3.07	0.61	461673.96	724136.23	N 32 16	4.19 W 103 44 30.90
	1192.00	0.13	213.73	1191.89	15.07	-14.93	3.02	0.11	461673.73	724136.18	N 32 16	4.19 W 103 44 30.90
	1392.00	0.29	217.89	1391.89	15.63	-15.52	2.58	0.08	461673.15	724135.74	N 32 16	4.19 W 103 44 30.90
	1561.00	0.28	235.28	1560.88	16.17	-16.09	1.98	0.05	461672.57	724135.14	N 32 16	4.18 W 103 44 30.91
	1656.00	0.09	288.99	1655.88	16.27	-16.20	1.72	0.25	461672.46	724134.88	N 32 16	4.18 W 103 44 30.91
	1750.00	0.13	351.64	1749.88	16.13	-16.07	1.63	0.13	461672.59	724134.79	N 32 16	4.18 W 103 44 30.92
	1845.00	0.22	8.15	1844.88	15.84	-15.78	1.64	0.11	461672.88	724134.80	N 32 16	4.18 W 103 44 30.92
	1939.00	0.33	352.70	1938.88	15.40	-15.33	1.63	0.14	461673.33	724134.79	N 32 16	4.19 W 103 44 30.92
	2034.00	0.42	2.79	2033.88	14.78	-14.71	1.61	0.12	461673.95	724134.77	N 32 16	4.19 W 103 44 30.92
	2128.00	0.46	357.50	2127.88	14.06	-13.99	1.61	0.06	461674.67	724134.77	N 32 16	4.20 W 103 44 30.92
	2222.00	0.61	355.18	2221.87	13.18	-13.12	1.56	0.16	461675.54	724134.72	N 32 16	4.21 W 103 44 30.92
	2317.00	0.66	349.89	2316.87	12.13	-12.07	1.42	0.08	461676.59	724134.58	N 32 16	4.22 W 103 44 30.92
	2506.00	0.95	347.43	2505.85	9.51	-9.47	0.88	0.15	461679.19	724134.04	N 32 16	4.25 W 103 44 30.92
	2601.00	1.17	349.97	2600.83	7.77	-7.75	0.54	0.24	461680.91	724133.70	N 32 16	4.26 W 103 44 30.93
	2696.00	1.39	349.91	2695.81	5.66	-5.66	0.17	0.23	461683.00	724133.33	N 32 16	4.28 W 103 44 30.93
	2791.00	1.65	352.09	2790.77	3.15	-3.17	-0.22	0.28	461685.49	724132.94	N 32 16	4.31 W 103 44 30.94
	2885.00	1.87	348.73	2884.73	0.29	-0.33	-0.70	0.26	461688.33	724132.46	N 32 16	4.34 W 103 44 30.94
	2980.00	2.06	347.49	2979.67	-2.93	2.86	-1.38	0.20	461691.52	724131.78	N 32 16	4.37 W 103 44 30.95
	3074.00	1.77	345.15	3073.62	-6.02	5.91	-2.11	0.32	461694.57	724131.05	N 32 16	4.40 W 103 44 30.96
	3168.00	1.56	338.40	3167.58	-8.65	8.51	-2.96	0.31	461697.17	724130.20	N 32 16	4.42 W 103 44 30.97
	3357.00	0.77	339.21	3356.54	-12.30	12.09	-4.35	0.42	461700.74	724128.81	N 32 16	4.46 W 103 44 30.98
	3451.00	0.53	346.92	3450.53	-13.33	13.10	-4.68	0.27	461701.76	724128.48	N 32 16	4.47 W 103 44 30.99
	3546.00	0.40	331.88	3545.53	-14.06	13.82	-4.93	0.19	461702.48	724128.23	N 32 16	4.48 W 103 44 30.99
	3640.00	0.29	57.56	3639.53	-14.48	14.24	-4.89	0.51	461702.90	724128.27	N 32 16	4.48 W 103 44 30.99
	3735.00	0.98	126.52	3734.52	-14.08	13.88	-4.03	0.96	461702.54	724129.13	N 32 16	4.48 W 103 44 30.98
	3829.00	1.89	134.44	3828.49	-12.42	12.32	-2.28	0.99	461700.98	724130.88	N 32 16	4.46 W 103 44 30.96
	3924.00	2.25	133.78	3923.43	-9.91	9.93	0.19	0.38	461698.59	724133.35	N 32 16	4.44 W 103 44 30.93
	4018.00	2.93	139.46	4017.34	-6.65	6.83	3.08	0.77	461695.49	724136.24	N 32 16	4.41 W 103 44 30.90
	4112.00	3.47	141.52	4111.19	-2.43	2.78	6.41	0.59	461691.44	724139.57	N 32 16	4.37 W 103 44 30.86
	4207.00	4.05	142.96	4205.98	2.70	-2.15	10.22	0.62	461686.51	724143.38	N 32 16	4.32 W 103 44 30.81
	4301.00	4.05	141.90	4299.75	8.17	-7.41	14.27	0.08	461681.25	724147.43	N 32 16	4.27 W 103 44 30.77
	4396.00	2.91	154.92	4394.57	13.15	-12.24	17.36	1.45	461676.42	724150.52	N 32 16	4.22 W 103 44 30.73
	4491.00	1.97	169.39	4489.49	17.01	-16.03	18.69	1.18	461672.63	724151.84	N 32 16	4.18 W 103 44 30.72
	4586.00	0.18	181.83	4584.47	18.78	-17.78	18.98	1.89	461670.88	724152.14	N 32 16	4.16 W 103 44 30.71
	4680.00	0.11	133.43	4678.47	18.99	-17.99	19.04	0.14	461670.67	724152.20	N 32 16	4.16 W 103 44 30.71
	4869.00	0.21	198.62	4867.47	19.44	-18.44	19.06	0.10	461670.22	724152.22	N 32 16	4.16 W 103 44 30.71
	4963.00	0.16	212.87	4961.47	19.71	-18.72	18.94	0.07	461669.94	724152.10	N 32 16	4.15 W 103 44 30.71
	5057.00	0.16	40.26	5055.47	19.72	-18.73	18.95	0.34	461669.93	724152.11	N 32 16	4.15 W 103 44 30.71
	5152.00	0.32	288.15	5150.47	19.53	-18.54	18.78	0.43	461670.12	724151.94	N 32 16	4.16 W 103 44 30.72
	5340.00	1.88	50.00	5338.43	17.39	-16.29	20.77	1.15	461672.37	724153.93	N 32 16	4.18 W 103 44 30.69
	5528.00	4.69	61.60	5526.10	12.15	-10.55	30.02	1.48	461678.11	724163.18	N 32 16	4.23 W 103 44 30.58
	5623.00	5.74	64.89	5620.70	8.70	-6.68	37.74	1.15	461681.98	724170.90	N 32 16	4.27 W 103 44 30.49
	5717.00	6.44	69.08	5714.17	5.32	-2.81	46.92	0.88	461685.85	724180.08	N 32 16	4.31 W 103 44 30.39
	5811.00	6.89	70.81	5807.54	2.15	0.93	57.17	0.52	461689.59	724190.33	N 32 16	4.35 W 103 44 30.27
	5905.00	6.77	70.56	5900.87	-0.98	4.63	67.72	0.13	461693.29	724200.88	N 32 16	4.38 W 103 44 30.14
	5999.00	6.61	71.23	5994.23	-4.00	8.21	78.07	0.19	461696.87	724211.23	N 32 16	4.42 W 103 44 30.02
	6094.00	6.46	69.93	6088.61	-7.04	11.80	88.27	0.22	461700.46	724221.42	N 32 16	4.45 W 103 44 29.90
	6188.00	6.32	72.74	6182.03	-9.86	15.15	98.17	0.36	461703.81	724231.33	N 32 16	4.48 W 103 44 29.79
	6282.00	6.14	75.38	6275.47	-12.13	17.96	107.98	0.36	461706.62	724241.13	N 32 16	4.51 W 103 44 29.67
	6377.00	6.34	75.88	6369.91	-14.15	20.52	117.98	0.22	461709.18	724251.14	N 32 16	4.54 W 103 44 29.56
	6471.00	6.75	79.06	6463.30	-15.90	22.83	128.44	0.58	461711.49	724261.59	N 32 16	4.56 W 103 44 29.44
	6566.00	6.73	77.41	6557.64	-17.58	25.11	139.35	0.20	461713.77	724272.51	N 32 16	4.58 W 103 44 29.31
	6660.00	6.58	71.67	6651.01	-19.91	28.00	149.84	0.73	461716.66	724282.99	N 32 16	4.61 W 103 44 29.19
	6755.00	6.16	67.36	6745.42	-23.05	31.67	159.71	0.67	461720.33	724292.86	N 32 16	4.64 W 103 44 29.07
	6844.00	5.77	69.21	6833.40	-29.33	38.95	177.95	0.23	461727.61	724311.10	N 32 16	4.72 W 103 44 28.86
	7038.00	6.33	62.76	7026.88	-32.89	43.00	186.98	0.94	461731.66	724320.13	N 32 16	4.76 W 103 44 28.75
	7132.00	5.68	61.04	7120.36	-37.04	47.62	195.66	0.72	461736.28	724328.81	N 32 16	4.80 W 103 44 28.65
	7227.00	3.78	60.72	7215.03	-40.48	51.43	202.50	2.00	461740.09	724335.65	N 32 16	4.84 W 103 44 28.57
	7415.00	0.66	49.70	7402.87	-43.87	55.16	208.73	1.67	461743.82	724341.88	N 32 16	4.87 W 103 44 28.50
	7510.00	0.13	305.91	7497.87	-44.27	55.58	209.06	0.74	461744.24	724342.21	N 32 16	4.88 W 103 44 28.49
	7604.00	0.05	230.15	7591.87	-44.31	55.62	208.95	0.14	461744.27	724342.09	N 32 16	4.88 W 103 44 28.50
	7698.00	0.73	285.73	7685.86	-44.48	55.75	208.34	0.75	461744.41	724341.49	N 32 16	4.88 W

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 ° ° °)
	8548.00	0.03	240.21	8535.84	-43.95	55.15	206.90	0.29	461743.81	724340.05	N 32 16 4.87	W 103 44 28.52
	8737.00	0.41	247.73	8724.84	-43.71	54.87	206.23	0.20	461743.53	724339.38	N 32 16 4.87	W 103 44 28.53
	8926.00	0.67	149.22	8913.84	-42.51	53.66	206.17	0.44	461742.32	724339.32	N 32 16 4.86	W 103 44 28.53
	9114.00	0.20	327.87	9101.83	-41.82	53.00	206.56	0.46	461741.65	724339.71	N 32 16 4.85	W 103 44 28.52
	9303.00	0.17	265.77	9290.83	-42.10	53.26	206.11	0.10	461741.91	724339.26	N 32 16 4.86	W 103 44 28.53
	9492.00	1.15	232.20	9479.82	-41.02	52.07	204.33	0.54	461740.73	724337.48	N 32 16 4.84	W 103 44 28.55
	9586.00	0.14	29.53	9573.81	-40.58	51.59	203.64	1.36	461740.25	724336.79	N 32 16 4.84	W 103 44 28.56
	9775.00	0.16	208.87	9762.81	-40.54	51.56	203.63	0.16	461740.22	724336.78	N 32 16 4.84	W 103 44 28.56
	9964.00	0.40	110.76	9951.81	-40.05	51.09	204.13	0.24	461739.75	724337.28	N 32 16 4.83	W 103 44 28.55
	10058.00	0.21	100.55	10045.81	-39.88	50.94	204.61	0.21	461739.60	724337.76	N 32 16 4.83	W 103 44 28.55
	10247.00	0.31	170.73	10234.81	-39.29	50.38	205.03	0.16	461739.03	724338.18	N 32 16 4.83	W 103 44 28.54
	10341.00	0.90	155.14	10328.80	-38.35	49.45	205.38	0.65	461738.11	724338.53	N 32 16 4.82	W 103 44 28.54
	10436.00	0.25	112.17	10423.80	-37.57	48.70	205.89	0.78	461737.38	724339.04	N 32 16 4.81	W 103 44 28.53
	10530.00	0.36	329.27	10517.80	-37.74	48.88	205.93	0.62	461737.53	724339.08	N 32 16 4.81	W 103 44 28.53
	10631.00	0.62	198.62	10619.79	-37.51	48.62	205.61	0.89	461737.28	724338.76	N 32 16 4.81	W 103 44 28.54
	10725.00	0.52	218.43	10712.79	-36.70	47.79	205.21	0.23	461736.45	724338.36	N 32 16 4.80	W 103 44 28.54
	10819.00	0.85	205.48	10806.78	-35.76	46.82	204.66	0.38	461735.48	724337.81	N 32 16 4.79	W 103 44 28.55
	10914.00	1.19	187.84	10901.77	-34.17	45.21	204.22	0.48	461733.87	724337.37	N 32 16 4.78	W 103 44 28.55
	11009.00	2.68	192.10	10996.71	-31.06	42.06	203.62	1.57	461730.72	724336.77	N 32 16 4.75	W 103 44 28.56
	11104.00	3.25	190.99	11091.58	-28.30	37.24	202.64	0.60	461725.90	724335.79	N 32 16 4.70	W 103 44 28.57
	11198.00	3.11	184.99	11185.44	-21.19	32.09	201.91	0.38	461720.75	724335.06	N 32 16 4.65	W 103 44 28.58
	11259.00	3.14	185.83	11246.35	-17.90	28.78	201.60	0.09	461717.44	724334.75	N 32 16 4.61	W 103 44 28.58
	11288.00	3.04	187.15	11275.31	-16.36	27.22	201.42	0.42	461715.88	724334.57	N 32 16 4.60	W 103 44 28.59
	11383.00	14.08	179.91	11369.10	-2.30	13.13	201.12	11.65	461701.78	724334.27	N 32 16 4.46	W 103 44 28.59
100' FNL Crossing	11392.00	15.54	179.58	11377.81	0.00	10.82	201.13	16.27	461699.48	724334.28	N 32 16 4.44	W 103 44 28.59
	11478.00	29.52	178.05	11457.04	32.85	-22.03	201.94	16.27	461666.63	724335.09	N 32 16 4.11	W 103 44 28.58
	11573.00	39.93	181.25	11535.02	86.81	-76.06	202.07	11.12	461612.60	724335.22	N 32 16 3.58	W 103 44 28.58
	11668.00	51.58	182.22	11601.19	154.50	-143.96	199.96	12.28	461544.71	724333.11	N 32 16 2.90	W 103 44 28.61
	11762.00	56.85	181.24	11656.08	230.50	-220.20	197.68	5.77	461468.47	724330.83	N 32 16 2.15	W 103 44 28.65
Wolfcamp Intersection	11816.55	59.01	179.75	11685.00	276.66	-286.44	197.29	4.43	461422.23	724330.44	N 32 16 1.69	W 103 44 28.65
	11857.00	60.54	178.68	11705.36	311.58	-301.39	197.77	4.43	461387.29	724330.92	N 32 16 1.35	W 103 44 28.65
	11953.00	64.83	180.40	11749.41	396.76	-386.66	198.43	4.74	461302.02	724331.58	N 32 16 0.50	W 103 44 28.65
	12049.00	75.71	179.90	11781.77	486.85	-476.89	198.21	11.34	461211.80	724331.36	N 32 15 59.61	W 103 44 28.66
	12144.00	84.14	178.03	11798.37	580.23	-570.32	199.92	9.08	461118.37	724333.07	N 32 15 58.69	W 103 44 28.64
	12208.00	87.52	176.61	11803.03	644.05	-634.07	202.90	5.73	461054.63	724336.05	N 32 15 58.06	W 103 44 28.61
	12243.00	87.38	178.49	11804.58	679.01	-669.00	204.40	5.38	461019.70	724337.55	N 32 15 57.71	W 103 44 28.60
	12337.00	87.28	176.25	11808.96	772.90	-762.79	208.70	2.38	460925.91	724341.85	N 32 15 56.78	W 103 44 28.55
	12432.00	89.75	176.48	11811.43	867.86	-857.56	214.73	2.61	460831.15	724347.87	N 32 15 55.84	W 103 44 28.49
	12527.00	88.62	176.83	11812.78	962.85	-952.39	220.27	1.25	460736.32	724353.42	N 32 15 54.90	W 103 44 28.43
	12712.00	89.72	178.42	11815.46	1147.81	-1137.20	227.93	1.05	460551.52	724361.08	N 32 15 53.08	W 103 44 28.35
	12743.00	89.93	180.62	11815.55	1178.77	-1168.20	228.19	7.13	460520.53	724361.34	N 32 15 52.77	W 103 44 28.35
	12807.00	90.52	184.72	11815.30	1242.43	-1232.11	225.21	6.47	460456.61	724358.36	N 32 15 52.14	W 103 44 28.39
	12902.00	88.07	183.11	11816.47	1336.71	-1326.87	218.73	3.09	460361.86	724351.87	N 32 15 51.20	W 103 44 28.47
	12996.00	89.55	184.64	11818.42	1429.99	-1420.63	212.37	2.26	460268.10	724345.52	N 32 15 50.27	W 103 44 28.55
Exit Target Box 1	13060.47	90.63	183.28	11818.32	1493.97	-1484.95	207.93	2.70	460203.79	724341.07	N 32 15 49.64	W 103 44 28.61
	13091.00	91.14	182.63	11817.85	1524.33	-1515.43	206.35	2.70	460173.31	724339.50	N 32 15 49.33	W 103 44 28.63
	13186.00	91.24	181.00	11815.88	1618.96	-1610.36	203.34	1.72	460078.39	724336.49	N 32 15 48.39	W 103 44 28.67
	13280.00	91.38	178.46	11813.73	1712.82	-1704.33	203.79	2.71	459984.42	724336.94	N 32 15 47.46	W 103 44 28.67
Enter Target Box 1	13364.27	90.34	174.19	11812.46	1797.05	-1788.40	209.18	5.21	459900.38	724342.33	N 32 15 46.63	W 103 44 28.61
	13375.00	90.21	173.65	11812.41	1807.77	-1799.07	210.32	5.21	459889.69	724343.47	N 32 15 46.53	W 103 44 28.60
	13474.00	90.55	173.90	11811.75	1906.62	-1897.48	221.06	0.43	459791.28	724354.20	N 32 15 45.55	W 103 44 28.48
	13569.00	90.72	174.09	11810.70	2001.49	-1991.95	230.99	0.27	459696.82	724364.14	N 32 15 44.62	W 103 44 28.37
	13663.00	90.72	175.01	11809.52	2095.40	-2085.52	239.92	0.98	459603.26	724373.07	N 32 15 43.69	W 103 44 28.27
	13757.00	90.34	176.60	11808.65	2189.37	-2179.26	246.80	1.74	459509.52	724379.94	N 32 15 42.76	W 103 44 28.20
	13852.00	90.62	177.21	11807.85	2284.37	-2274.12	251.92	0.71	459414.67	724385.07	N 32 15 41.82	W 103 44 28.15
	13947.00	91.24	178.41	11806.31	2379.34	-2369.03	255.55	1.42	459319.76	724388.70	N 32 15 40.88	W 103 44 28.11
	14041.00	90.72	179.65	11804.70	2473.26	-2463.00	257.15	1.43	459225.79	724390.29	N 32 15 39.95	W 103 44 28.10
	14230.00	91.58	180.08	11800.91	2661.97	-2651.96	257.59	0.51	459036.84	724390.74	N 32 15 38.09	W 103 44 28.10
	14325.00	91.41	180.56	11798.43	2756.77	-2746.93	257.06	0.54	458941.88	724390.21	N 32 15 37.15	W 103 44 28.12
	14420.00	90.58	180.15	11796.78	2851.59	-2841.91	256.47	0.97	458846.90	724389.62	N 32 15 36.21	W 103 44 28.13
	14514.00	91.96	180.65	11794.70	2945.39	-2935.88	255.82	1.56	458752.94	724388.96	N 32 15 35.28	W 103 44 28.14
	14609.00	91.62	180.04	11791.73	3040.17	-3030.83	255.24	0.73	458657.99	724388.39	N 32 15 34.34	W 103 44 28.16
	14704.00	91.48	179.47	11789.16	3135.02	-3125.80	255.65	0.62	458563.03	724388.80	N 32 15 33.40	W 103 44 28.16
	14893.00	91.31	178.12	11784.56	3323.86	-3314.70	259.62	0.72	458374.14	724392.77	N 32 15 31.53	W 103 44 28.12
	14987.00	90.72	177.43	11782.89	3417.83	-3408.61	263.27	0.97	458280.24	724396.42	N 32 15 30.60	W 103 44 28.09
	15082.00	91.10	177.48	11781.39	3512.82	-3503.50	267.49	0.40	458185.35	724400.64	N 32 15 29.66	W 103 44 28.04
	15177.00	91.20	178.35	11779.48	3607.78	-3598.42	270.95	0.92	458090.44	724404.09	N 32 15 28.72	W 103 44 28.01
	15271.00	90.93	179.01	11777.73	3701.72	-3692.38	273.11	0.76	457996.48	724406.26	N 32 15 27.79	W 103 44 27.99
	15365.00	91.37	179.07	11775.84	3795.64	-3786.35	274.69	0.47	457902.52	724407.83	N 32 15 26.86	W 103 44 27.98
	15460.00	90.17	179.76	11774.57	3890.54	-3881.33	275.66	1.46	457807.54	724408.80	N 32 15 25.92	W 103 44 27.97
	15549.00	91.34	180.14	11772.08	4079.25	-4070.31	275.82	0.65	457618.57	724408.97	N 32 15 24.05	W 103 44 27.98
	15744.00	90.89	181.24	11770.23	4174.03	-4165.28	274.68	1.25	457523.60	724407.82	N 32 15 23.11	W 103 44 28.00
	15839.00	89.72	180.10	11769.72	4268.82	-4260.27	274.46	1.72	457428.62	724406.71	N 32 15 22.17	W 103 44 28.02
	15933.00	89.17	178.81	11770.63	4362.72	-4354.26	276.36	1.49	457334.64	724407.61	N 32 15 21.24	W 103 44 28.02
	16028.00	90.84	178.90	11770.63	4457.66	-4449.24	278.01	1.76	457239.66	724409.50	N 32 15 20.30	W 103 44 28.00
	16122.00	91.67	179.08	11768.57	4551.58	-4543.20						

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		838.310	10530.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS			Original Hole / Oxy Cal-Mon 35 Federal 176H Gyro + MWD 0-	
	1		10530.000	11198.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG			Original Hole / Oxy Cal-Mon 35 Federal 176H Gyro + MWD 0-	
	1		11198.000	12432.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS			Original Hole / Oxy Cal-Mon 35 Federal 176H Gyro + MWD 0-	
	1		12432.000	13375.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS			ST01 / Oxy Cal-Mon 35 Federal 176H ST01 to 16725'	
	1		13375.000	16725.000	Act Stns	30.000	30.000	NAL_MWD_IFR1			ST01 / Oxy Cal-Mon 35 Federal 176H ST01 to 16725'	

...Oxy Cal-Mon 35 Federal 176H\Cal-Mon 35 Federal 176H\ST01\Oxy Cal-Mon 35 Federal 176H ST01 to 16725'