

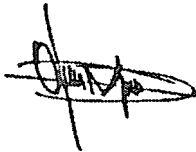
Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

Well Reference:
35, 23S, 31E, Eddy NM
32.26733 103.74800

I, Juan Estrada certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of February 16, 2019 through March 03, 2019, conduct or supervise the taking of the SlimPulse & Third Party Corrected surveys from a depth of 950.00 feet to a depth of 16797.00 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 174H Well (Original Hole) API No. 30-015-45523 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
Juan Estrada
FE



Subscribed and Sworn to before me this 8th day of March (month) 2019 (yr)

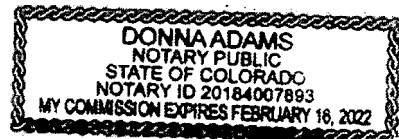
My Commission expires:

2-16-2022

D. Adams
Notary Public

(signature)

Adams County Colorado
(County State)





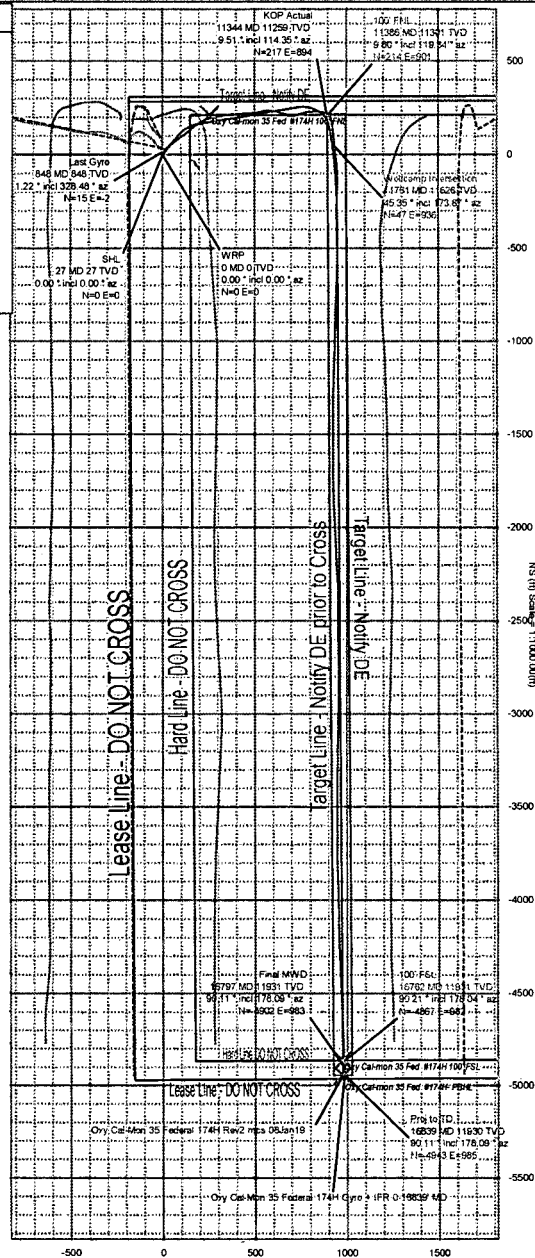
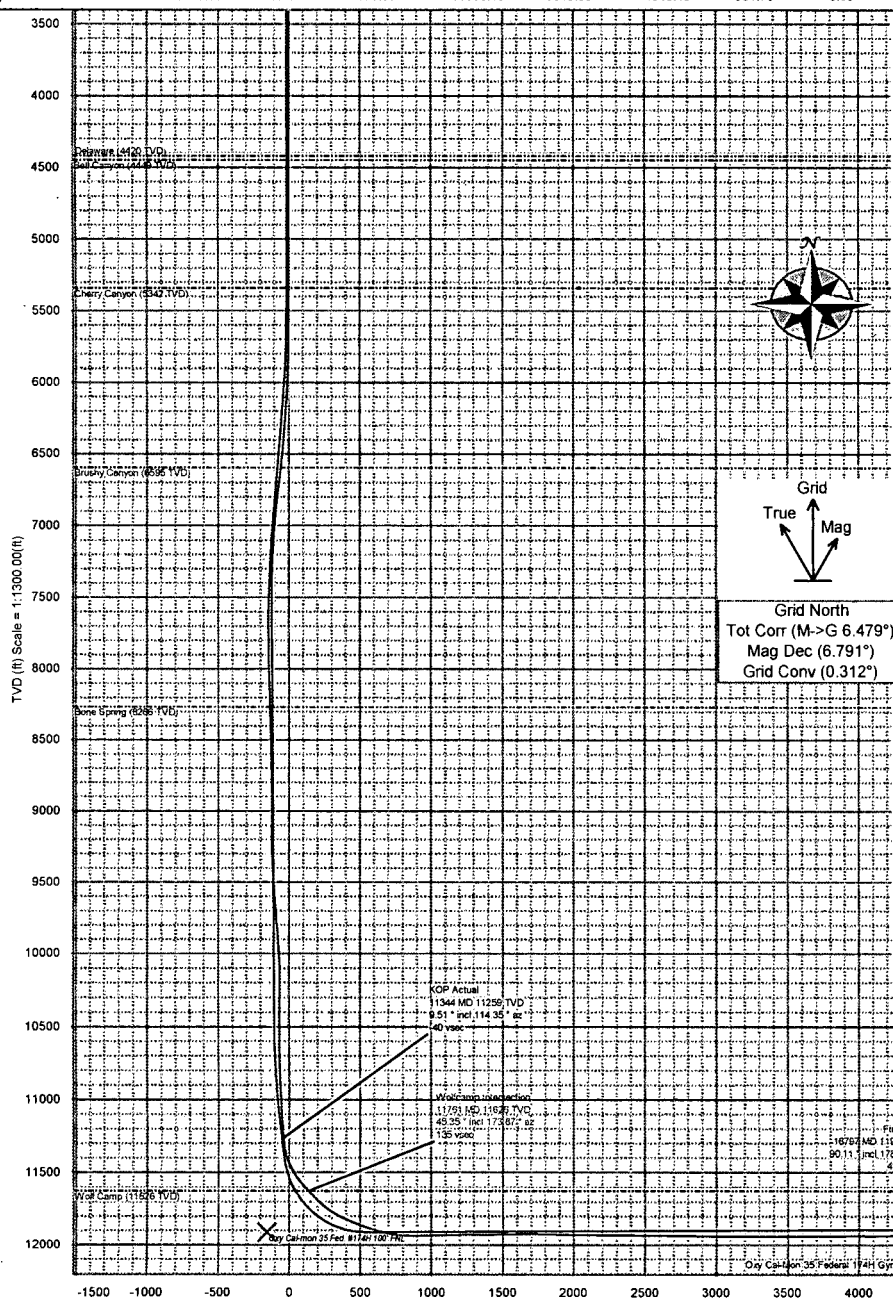
OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Cal-Mon 35 Federal 174H	NM Eddy County (NAD 83)	Oxy Cal-Mon 35 Federal 174H

Gravity & Magnetic Parameters					Surface Location					NAD83 New Mexico State Plane, Eastern Zone, US Feet					Miscellaneous	
Model:	IFR1	Dip:	59.983°	Date:	13-Feb-2018	Lat:	N 32 16 2.39	Northing:	461481.19RUS	Grid Conv:	0.3125°	Slot:	Oxy Cal-mon 35 Federal 174H	TVD Ref:	RKB(3490.3ft above MSL)	
MagDec:	6.781°	FS:	48066.3nT	Gravity FS:	998.446mmg(9.80665 Based)	Lon:	W 103 44 62.81	Easting:	722266.25RUS	Scale Fact:	0.99994658	Plan:	Oxy Cal-Mon 35 Federal 174H Gyro + IFR 0.16533° MD			

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
WRP	0.00	0.00	0.00	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	848.00	1.22	328.48	847.86	-14.78	14.69	-1.90	0.31
KOP Actual	11344.00	9.51	114.35	11259.43	-39.81	216.76	894.31	0.92
100' FNL	11386.00	9.80	119.34	11300.84	-35.51	213.62	900.59	12.25
Wolfcamp Intersection	11761.35	45.35	173.87	11626.00	134.78	47.03	936.02	7.66
100' FSL	16762.00	90.21	178.04	11930.66	4964.60	-4866.54	982.12	0.33
Final MWD	16797.00	90.11	178.09	11930.56	4999.14	-4901.52	983.30	0.33
Proj to TD	16839.00	90.11	178.09	11930.48	5040.60	-4943.49	984.70	0.00



EW (ft) Scale = 1:1000.00(ft)

Vertical Section (ft) Azim = 168.86° Scale = 1:1300.00(ft) Origin = 0N/-S, 0E/-W

Oxy Cal-Mon 35 Federal 174H Gyro + IFR 0-16839' MD Survey Geodetic Report

(Def Survey)



Report Date: March 04, 2019 - 02:47 PM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Cal-Mon 35 Federal 174H / Oxy Cal-mon 35 Federal 174H
 Well: Oxy Cal-Mon 35 Federal 174H
 Borehole: Original Borehole
 UWI / API#: Unknown / 30-015-45523
 Survey Name: Oxy Cal-Mon 35 Federal 174H Gyro + IFR 0-16839' MD
 Survey Date: January 23, 2019
 Tort / AHD / DDI / ERD Ratio: 206.629' / 6172.553 ft / 6.255' / 0.517
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 16' 2.38909", W 103° 44' 52.80617"
 Location Grid N/E Y/X: N 461481.190 ftUS, E 722256.250 ftUS
 CRS Grid Convergence Angle: 0.3125°
 Grid Scale Factor: 0.99994658
 Version / Patch: 2.10.753.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 168.855° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3490.300 ft above MSL
 Seabed / Ground Elevation: 3463.800 ft above MSL
 Magnetic Declination: 6.791°
 Total Gravity Field Strength: 998.4457mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48006.300 nT
 Magnetic Dip Angle: 59.983°
 Declination Date: February 13, 2019
 Magnetic Declination Model: IFR1
 North Reference: Grid North
 Grid Convergence Used: 0.3125°
 Total Corr Mag North->Grid: 6.4785°
 North: Well Head
 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 ° ' ")
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	461481.19	722256.25	N 32 16 2.39	W 103 44 52.81
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	461481.19	722256.25	N 32 16 2.39	W 103 44 52.81
	99.80	1.44	6.70	99.79	-0.88	0.91	0.11	1.96	461482.10	722256.36	N 32 16 2.40	W 103 44 52.80
	189.90	1.24	8.58	189.87	-2.87	3.00	0.38	0.23	461484.19	722256.63	N 32 16 2.42	W 103 44 52.80
	277.10	1.14	1.72	277.05	-4.61	4.80	0.55	0.20	461485.99	722256.80	N 32 16 2.44	W 103 44 52.80
	371.80	0.92	349.89	371.73	-6.28	6.49	0.45	0.32	461487.68	722256.70	N 32 16 2.45	W 103 44 52.80
	466.10	0.97	352.36	466.02	-7.84	8.03	0.21	0.07	461489.22	722256.46	N 32 16 2.47	W 103 44 52.80
	560.60	1.01	343.90	560.51	-9.47	9.62	-0.13	0.16	461490.81	722256.12	N 32 16 2.48	W 103 44 52.81
	655.40	1.03	345.38	655.29	-11.15	11.25	-0.58	0.03	461492.44	722255.67	N 32 16 2.50	W 103 44 52.81
	750.20	1.08	341.86	750.08	-12.89	12.92	-1.07	0.09	461494.11	722255.18	N 32 16 2.52	W 103 44 52.82
Last Gyro	848.00	1.22	328.48	847.86	-14.78	14.69	-1.90	0.31	461495.88	722254.35	N 32 16 2.53	W 103 44 52.83
	950.00	0.73	339.42	949.84	-16.44	16.22	-2.70	0.51	461497.41	722253.55	N 32 16 2.55	W 103 44 52.84
	1138.00	0.49	150.44	1137.84	-16.85	16.64	-2.72	0.65	461497.83	722253.53	N 32 16 2.55	W 103 44 52.84
	1326.00	0.60	128.08	1325.83	-15.35	15.34	-1.55	0.13	461496.53	722254.70	N 32 16 2.54	W 103 44 52.82
	1420.00	0.52	90.29	1419.82	-14.89	15.03	-0.74	0.39	461496.22	722255.51	N 32 16 2.54	W 103 44 52.81
	1514.00	0.18	47.17	1513.82	-14.88	15.13	-0.20	0.43	461496.32	722256.05	N 32 16 2.54	W 103 44 52.81
	1701.00	0.04	109.74	1700.82	-15.00	15.31	0.08	0.09	461496.50	722256.33	N 32 16 2.54	W 103 44 52.80
	1796.00	0.04	195.64	1795.82	-14.96	15.26	0.10	0.06	461496.45	722256.35	N 32 16 2.54	W 103 44 52.80
	1890.00	0.13	231.59	1889.82	-14.88	15.17	0.01	0.11	461496.35	722256.26	N 32 16 2.54	W 103 44 52.81
	2079.00	0.07	2.07	2078.82	-14.89	15.15	-0.16	0.10	461496.34	722256.09	N 32 16 2.54	W 103 44 52.81
	2181.00	0.04	31.05	2180.82	-14.98	15.24	-0.14	0.04	461496.43	722256.11	N 32 16 2.54	W 103 44 52.81
	2275.00	0.10	188.68	2274.82	-14.93	15.19	-0.13	0.15	461496.38	722256.12	N 32 16 2.54	W 103 44 52.81
	2464.00	0.07	55.07	2463.82	-14.82	15.09	-0.06	0.08	461496.28	722256.19	N 32 16 2.54	W 103 44 52.81
	2557.00	0.07	0.54	2556.82	-14.90	15.18	-0.02	0.07	461496.37	722256.23	N 32 16 2.54	W 103 44 52.81
	2652.00	0.04	208.04	2651.82	-14.93	15.21	-0.03	0.11	461496.40	722256.22	N 32 16 2.54	W 103 44 52.81
	2746.00	0.07	285.76	2745.82	-14.93	15.20	-0.10	0.08	461496.38	722256.15	N 32 16 2.54	W 103 44 52.81
	2840.00	0.09	333.33	2839.82	-15.03	15.28	-0.19	0.07	461496.47	722256.06	N 32 16 2.54	W 103 44 52.81
	2935.00	0.16	275.77	2934.82	-15.14	15.36	-0.36	0.14	461496.55	722255.89	N 32 16 2.54	W 103 44 52.81
	3029.00	0.03	219.53	3028.82	-15.16	15.35	-0.50	0.15	461496.54	722255.75	N 32 16 2.54	W 103 44 52.81
	3124.00	0.30	359.53	3123.82	-15.39	15.58	-0.52	0.34	461496.77	722255.73	N 32 16 2.54	W 103 44 52.81
	3314.00	0.66	270.58	3313.82	-16.10	16.09	-1.62	0.38	461497.28	722254.63	N 32 16 2.55	W 103 44 52.82
	3408.00	0.48	82.18	3407.81	-16.19	16.15	-1.77	1.21	461497.34	722254.48	N 32 16 2.55	W 103 44 52.83
	3502.00	0.42	173.28	3501.81	-15.82	15.86	-1.34	0.68	461497.05	722254.91	N 32 16 2.55	W 103 44 52.82
	3596.00	0.34	68.13	3595.81	-15.53	15.62	-1.04	0.64	461496.81	722255.21	N 32 16 2.54	W 103 44 52.82
	3691.00	0.08	66.55	3690.81	-15.59	15.75	-0.72	0.27	461496.94	722255.53	N 32 16 2.55	W 103 44 52.81
	3785.00	0.16	201.08	3784.81	-15.50	15.66	-0.70	0.24	461496.85	722255.55	N 32 16 2.54	W 103 44 52.81
	3974.00	0.20	213.76	3973.81	-15.04	15.14	-0.98	0.03	461496.32	722255.27	N 32 16 2.54	W 103 44 52.82
	4069.00	0.14	79.60	4068.81	-14.92	15.02	-0.96	0.33	461496.21	722255.29	N 32 16 2.54	W 103 44 52.82
	4163.00	0.04	255.66	4162.81	-14.92	15.03	-0.88	0.19	461496.22	722255.37	N 32 16 2.54	W 103 44 52.82
	4259.00	0.15	218.07	4258.81	-14.83	14.92	-0.99	0.13	461496.11	722255.26	N 32 16 2.54	W 103 44 52.82
	4447.00	0.13	167.87	4446.81	-14.46	14.52	-1.10	0.06	461495.71	722255.15	N 32 16 2.53	W 103 44 52.82
	4542.00	0.31	47.88	4541.81	-14.48	14.59	-0.88	0.41	461495.78	722255.37	N 32 16 2.53	W 103 44 52.82
	4636.00	0.11	118.89	4635.81	-14.56	14.72	-0.62	0.31	461495.91	722255.63	N 32 16 2.53	W 103 44 52.81
	4731.00	0.04	246.25	4730.81	-14.49	14.66	-0.57	0.15	461495.85	722255.68	N 32 16 2.53	W 103 44 52.81
	4825.00	0.20	51.53	4824.81	-14.56	14.75	-0.47	0.25	461495.94	722255.78	N 32 16 2.54	W 103 44 52.81
	4919.00	0.34	144.49	4918.81	-14.38	14.62	-0.18	0.43	461495.81	722256.07	N 32 16 2.53	W 103 44 52.81
	5108.00	0.09	297.75	5107.81	-13.96	14.24	0.02	0.22	461495.42	722256.27	N 32 16 2.53	W 103 44 52.81
	5204.00	0.15	270.41	5203.81	-14.04	14.27	-0.18	0.08	461495.46	722256.07	N 32 16 2.53	W 103 44 52.81
	5298.00	0.36	284.80	5297.80	-14.19	14.35	-0.58	0.23	461495.54	722255.67	N 32 16 2.53	W 103 44 52.81
	5393.00	0.43	296.55	5392.80	-14.54	14.58	-1.19	0.11	461495.77	722255.06	N 32 16 2.53	W 103 44 52.82
	5487.00	0.35	270.67	5486.80	-14.81	14.74	-1.79	0.20	461495.93	722254.46	N 32 16 2.54	W 103 44 52.83
	5581.00	0.46	283.08	5580.80	-15.03	14.83	-2.45	0.15	461496.02	722253.80	N 32 16 2.54	W 103 44 52.83
	5677.00	1.46	42.28	5676.79	-15.91	15.82	-2.00	1.80	461497.01	722254.25	N 32 16 2.55	W 103 44 52.83
	5771.00	3.77	50.20	5770.68	-18.11	18.69	1.18	2.48	461499.88	722257.43	N 32 16 2.57	W 103 44 52.79
	5865.00	6.54	52.04	5864.29	-22.01	23.96	7.78	2.95	461505.15	722264.02	N 32 16 2.63	W 103 44 52.71
	5960.00	9.03	51.66	5958.41	-27.86	31.92	17.89	2.62	461513.10	722274.14	N 32 16 2.70	W 103 44 52.60
	6055.00	10.36	53.11	6052.05	-34.97	41.67	30.57	1.42	461522.86	722286.82	N 32 16 2.80	W 103 44 52.45
	6150.00	10.95	52.95	6145.41	-42.63	52.23	44.60	0.62	461533.42	722300.85	N 32 16 2.90	W 103 44 52.28
	6244.00	10.96	53.20	6237.70	-50.39	62.96	58.88	0.05	461544.15	722315.13	N 32 16 3.01	W 103 44 52.12
	6433.00	11.02	52.31	6423.24	-66.25	84.77	87.56	0.10	461565.96	722343.81	N 32 16 3.22	W 103 44 51.78
	6622.00	10.82	53.14	6608.81	-82.02	106.46	116.05	0.13	461587.64	722372.30	N 32 16 3.44	W 103 44 51.45
	6716.00	10.94	52.65	6701.12	-89.78	117.16	130.20	0.16	461598.34	722386.45	N 32 16 3.54	W 103 44 51.28
	6810.00	10.22	51.85	6793.52	-97.51	127.72	143.85	0.78	461608.91	722400.09	N 32 16 3.65	W 103 44 51.12
	6905.00	10.68	50.13	6886.95	-105.57	138.57	157.24	0.59	461619.75	722413.48	N 32 16 3.75	W 103 44 50.97
	7000.00	10.37	51.17	6980.35	-113.77	149.58	170.65	0.38	461630.76	722426.89	N 32 16 3.86	W 103 44 50.81
	7130.00	10.38	58.15	7108.23	-123.35	163.09	189.72	0.97	461644.27	722445.96	N 32 16 3.99	W 103 44 50.59
	7189.00	10.61	60.34	7166.24	-126.95	168.59	198.95	0.78	461649.77	722455.19	N 32 16 4.05	W 103 44 50.48
	7284.00	10.19	63.16	7259.68	-132.00	176.71	214.05	0.69	461657.89	722470.29	N 32 16 4.13	W 103 44 50.30
	7378.00	10.64	67.88	7352.14	-135.90	183.73	229.51	1.03	461664.91	722485.74	N 32 16 4.19	W 103 44 50.12
	7473.00	10.52	67.61	7445.52	-139.26	190.34	245.65	0.14	461671.52	722501.89	N 32 16 4.26	W 103 44 49.93
	7661.00	10.56	77.18	7630.36	-143.11	200.70	278.32	0.93	461681.88	722534.55	N 32 16 4.36	W 103 44 49.55
	7756.00	10.78	80.83	7723.72	-143.06	204.04	295.58	0.75	461685.22	722551.81	N 32 16 4.39	W 103 44 49.35
	7850.00	10.94	81.53	7816.04	-142.34	206.76	313.08	0.22	461687.94	722569.31	N 32 16 4.42	W 103 44 49.15
	8040.00	10.60	84.36	8002.69	-139.83	211.13	348.30	0.33	461692.31	7		

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northings (ftUS)	Easting (ftUS)	Latitude (N/S ° ° °)	Longitude (E/W ° ° °)
	8795.00	9.47	84.96	8745.57	-122.39	219.84	482.70	0.73	461701.02	722738.93	N 32 16 4.54	W 103 44 47.17
	8891.00	9.59	83.66	8840.25	-120.88	221.42	498.52	0.26	461702.60	722754.74	N 32 16 4.55	W 103 44 46.99
	8985.00	9.73	81.27	8932.91	-119.89	223.49	514.15	0.45	461704.67	722770.37	N 32 16 4.57	W 103 44 46.80
	9079.00	9.44	74.14	9025.60	-120.19	226.80	529.42	1.30	461707.98	722785.64	N 32 16 4.60	W 103 44 46.63
	9174.00	9.32	75.51	9119.33	-121.28	230.86	544.36	0.27	461712.03	722800.58	N 32 16 4.64	W 103 44 46.45
	9266.00	10.01	81.81	9210.03	-121.30	233.86	559.49	1.37	461715.04	722815.71	N 32 16 4.67	W 103 44 46.28
	9360.00	9.46	89.70	9302.68	-119.43	235.06	575.30	1.53	461716.24	722831.52	N 32 16 4.68	W 103 44 46.09
	9455.00	10.04	101.29	9396.32	-114.80	233.48	591.23	2.15	461714.86	722847.45	N 32 16 4.67	W 103 44 45.91
	9549.00	9.51	100.31	9488.95	-108.83	230.49	606.91	0.59	461711.67	722863.12	N 32 16 4.64	W 103 44 45.72
	9643.00	10.11	98.92	9581.58	-103.16	227.82	622.70	0.69	461709.00	722878.91	N 32 16 4.61	W 103 44 45.54
	9738.00	9.36	107.45	9675.21	-96.60	224.21	638.30	1.71	461705.39	722894.52	N 32 16 4.57	W 103 44 45.36
	9832.00	9.72	110.58	9767.91	-86.77	219.13	653.03	0.57	461700.31	722909.24	N 32 16 4.52	W 103 44 45.19
	9927.00	9.77	108.74	9861.54	-80.54	213.72	668.17	0.33	461694.90	722924.38	N 32 16 4.47	W 103 44 45.01
	10021.00	9.59	101.90	9954.21	-73.50	209.54	683.38	1.24	461690.72	722939.59	N 32 16 4.43	W 103 44 44.83
	10115.00	9.61	93.80	10046.90	-68.41	207.41	698.87	1.44	461686.59	722955.08	N 32 16 4.40	W 103 44 44.65
	10210.00	10.25	83.63	10140.48	-65.66	207.82	715.19	1.96	461689.00	722971.40	N 32 16 4.41	W 103 44 44.46
	10304.00	9.91	73.50	10233.04	-65.72	211.05	731.26	1.92	461692.22	722987.47	N 32 16 4.44	W 103 44 44.28
	10399.00	9.94	74.74	10326.61	-67.07	215.53	747.00	0.23	461686.70	723003.21	N 32 16 4.48	W 103 44 44.09
	10493.00	10.00	76.27	10419.20	-68.02	219.60	762.76	0.29	461700.78	723018.97	N 32 16 4.52	W 103 44 43.91
	10587.00	9.81	76.67	10511.79	-68.69	223.38	778.48	0.21	461704.56	723034.69	N 32 16 4.56	W 103 44 43.73
	10682.00	9.71	80.94	10605.42	-68.71	226.51	794.27	0.77	461707.69	723050.47	N 32 16 4.59	W 103 44 43.54
	10777.00	9.65	82.44	10699.07	-67.92	228.82	810.07	0.27	461710.00	723066.28	N 32 16 4.61	W 103 44 43.36
	10872.00	8.92	87.28	10792.82	-66.35	230.22	825.32	1.12	461711.39	723081.53	N 32 16 4.62	W 103 44 43.18
	10966.00	8.46	91.39	10885.75	-63.78	230.39	839.51	0.82	461711.57	723095.72	N 32 16 4.62	W 103 44 43.01
	11060.00	8.08	96.72	10978.77	-60.25	229.45	852.99	0.91	461710.63	723109.19	N 32 16 4.61	W 103 44 42.86
	11155.00	8.58	104.97	11072.77	-55.08	226.84	866.46	1.36	461708.02	723122.67	N 32 16 4.59	W 103 44 42.70
KOP Actual	11344.00	9.51	114.35	11259.43	-39.81	216.76	894.31	0.92	461697.94	723150.51	N 32 16 4.49	W 103 44 42.38
	11385.00	9.74	118.70	11299.85	-35.62	213.70	900.44	1.86	461694.88	723156.64	N 32 16 4.45	W 103 44 42.31
100' FNL	11396.00	9.80	119.34	11300.84	-35.51	213.62	900.59	12.25	461694.79	723156.79	N 32 16 4.45	W 103 44 42.30
	11480.00	18.19	153.99	11392.11	-16.07	196.45	914.04	12.25	461677.63	723170.24	N 32 16 4.28	W 103 44 42.15
	11574.00	29.05	173.12	11478.23	21.03	160.45	923.25	14.00	461641.63	723179.44	N 32 16 3.93	W 103 44 42.04
	11669.00	38.28	173.59	11557.21	73.47	108.20	929.31	9.72	461589.38	723185.51	N 32 16 3.41	W 103 44 41.98
Wolfcamp Intersection	11761.35	45.35	173.87	11626.00	134.78	47.03	936.02	7.66	461528.22	723192.21	N 32 16 -2.80	W 103 44 41.90
	11764.00	45.55	173.88	11627.86	136.66	45.16	936.22	7.66	461526.34	723192.41	N 32 16 2.79	W 103 44 41.90
	11858.00	45.51	172.85	11693.71	203.53	21.47	943.97	0.78	461459.72	723200.16	N 32 16 2.13	W 103 44 41.81
	11953.00	54.85	175.96	11754.48	276.04	-94.01	950.94	10.15	461387.19	723207.13	N 32 16 1.41	W 103 44 41.74
	12048.00	65.08	182.94	11802.02	356.66	-176.06	951.47	12.50	461305.14	723207.66	N 32 16 0.60	W 103 44 41.74
	12141.00	68.48	182.54	11838.68	439.61	-261.42	947.38	3.68	461219.78	723203.58	N 32 15 59.75	W 103 44 41.79
	12236.00	70.14	179.12	11872.25	526.54	-350.27	946.11	3.79	461130.94	723202.31	N 32 15 58.87	W 103 44 41.81
	12331.00	74.29	178.48	11901.26	615.62	-404.68	948.01	4.42	461040.53	723204.21	N 32 15 57.98	W 103 44 41.79
	12426.00	81.02	179.25	11921.56	706.95	-533.42	949.84	7.13	460947.80	723206.04	N 32 15 57.06	W 103 44 41.78
	12521.00	85.25	182.14	11932.92	799.23	-627.70	948.69	5.38	460853.53	723204.88	N 32 15 56.13	W 103 44 41.80
	12616.00	90.52	182.03	11936.42	891.62	-722.54	945.23	5.55	460758.69	723201.43	N 32 15 55.19	W 103 44 41.84
	12682.00	92.37	182.74	11934.76	955.76	-788.45	942.49	3.00	460692.78	723198.69	N 32 15 54.54	W 103 44 41.88
	12777.00	90.86	180.91	11932.08	1048.29	-883.36	939.47	2.50	460597.88	723195.66	N 32 15 53.60	W 103 44 41.92
	12872.00	91.03	181.18	11930.51	1141.14	-978.33	937.73	0.34	460502.91	723193.93	N 32 15 52.66	W 103 44 41.95
	12967.00	90.86	182.10	11928.94	1233.77	-1073.28	935.01	0.98	460407.97	723191.21	N 32 15 51.72	W 103 44 41.99
	13062.00	90.62	181.51	11927.72	1326.35	-1168.22	932.02	0.67	460313.03	723188.22	N 32 15 50.78	W 103 44 42.03
	13156.00	90.03	183.13	11927.18	1417.76	-1262.14	928.22	1.83	460219.12	723184.42	N 32 15 49.85	W 103 44 42.08
	13251.00	90.89	179.67	11926.42	1510.47	-1357.10	925.90	3.75	460124.17	723182.10	N 32 15 48.91	W 103 44 42.11
	13347.00	91.06	179.33	11924.79	1604.80	-1453.08	926.73	0.40	460028.19	723182.93	N 32 15 47.96	W 103 44 42.11
	13441.00	89.52	180.01	11924.31	1697.13	-1547.07	927.28	1.79	459934.20	723183.47	N 32 15 47.03	W 103 44 42.11
	13536.00	89.41	180.89	11925.20	1790.19	-1642.06	926.53	0.93	459839.22	723182.73	N 32 15 46.09	W 103 44 42.12
	13631.00	88.17	178.51	11927.21	1883.46	-1737.03	927.03	2.82	459744.25	723183.22	N 32 15 45.15	W 103 44 42.12
	13725.00	89.31	178.43	11929.27	1976.12	-1830.97	929.54	1.22	459650.32	723185.73	N 32 15 44.22	W 103 44 42.10
	13820.00	89.31	177.37	11930.42	2069.93	-1925.90	933.02	1.12	459555.39	723189.21	N 32 15 43.28	W 103 44 42.06
	13915.00	88.93	176.96	11931.88	2163.92	-2020.77	937.71	0.59	459460.53	723193.91	N 32 15 42.34	W 103 44 42.01
	14009.00	90.10	177.39	11932.67	2256.92	-2114.65	942.35	1.33	459366.65	723198.54	N 32 15 41.41	W 103 44 41.97
	14104.00	89.48	176.91	11933.02	2350.93	-2209.54	947.07	0.83	459271.78	723203.27	N 32 15 40.47	W 103 44 41.92
	14199.00	89.34	177.15	11934.00	2444.96	-2304.40	951.99	0.29	459176.91	723208.19	N 32 15 39.54	W 103 44 41.87
	14294.00	89.45	180.72	11935.00	2538.47	-2399.37	953.76	3.76	459081.96	723209.95	N 32 15 38.60	W 103 44 41.85
	14389.00	89.86	179.65	11935.57	2631.62	-2494.36	953.45	1.21	458986.97	723209.65	N 32 15 37.66	W 103 44 41.86
	14483.00	89.27	179.78	11936.29	2723.93	-2588.36	953.92	0.64	458892.98	723210.12	N 32 15 36.73	W 103 44 41.86
	14578.00	89.34	178.50	11937.44	2817.39	-2683.34	955.34	1.35	458798.00	723211.54	N 32 15 35.79	W 103 44 41.85
	14673.00	88.70	180.06	11939.06	2910.81	-2778.31	956.54	1.77	458703.03	723212.73	N 32 15 34.85	W 103 44 41.84
	14767.00	89.42	180.20	11940.61	3002.98	-2872.30	956.32	0.78	458609.05	723212.52	N 32 15 33.92	W 103 44 41.85
	14862.00	90.07	181.49	11941.03	3095.91	-2967.29	954.92	1.52	458514.07	723211.12	N 32 15 32.98	W 103 44 41.87
	14956.00	89.66	180.46	11941.25	3187.81	-3061.27	953.32	1.18	458420.09	723209.52	N 32 15 32.05	W 103 44 41.90
	15051.00	90.07	181.96	11941.47	3280.61	-3156.25	951.32	1.64	458325.12	723207.52	N 32 15 31.11	W 103 44 41.93
	15146.00	89.97	180.39	11941.44	3373.42	-3251.22	949.37	1.66	458230.15	723205.57	N 32 15 30.17	W 103 44 41.96
	15240.00	90.62	180.40	11940.96	3465.51	-3345.22	948.72	0.69	458136.16	723204.92	N 32 15 29.24	W 103 44 41.97
	15335.00	90.52	180.39	11940.01	3558.59	-3440.21	948.07	0.11	458041.17	723204.26	N 32 15 28.30	W 103 44 41.98
	15430.00	90.35	179.73	11939.29	3651.77	-3535.21	947.97	0.72	457946.18	723204.17	N 32 15 27.36	W 103 44 41.99
	15524.00	90.83	180.53	11938.32	3743.95	-3629.20	947.75	0.99	457852.19	723203.95	N 32 15 26.43	W 103 44 42.00
	15619.00	89.49	180.24	11938.06	3837.03	-3724.20	947.12	1.44	457757.20	723203.31	N 32 15 25.49	W 103 44 42.01
	15713.00	90.79	179.51	11937.83	3929.45	-3818.19	946.14	2.30	457663.21			

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		848.000	16839.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS			Original Borehole / Oxy Cal-Mon 35 Federal 174H Gyro + IFR 0-	