

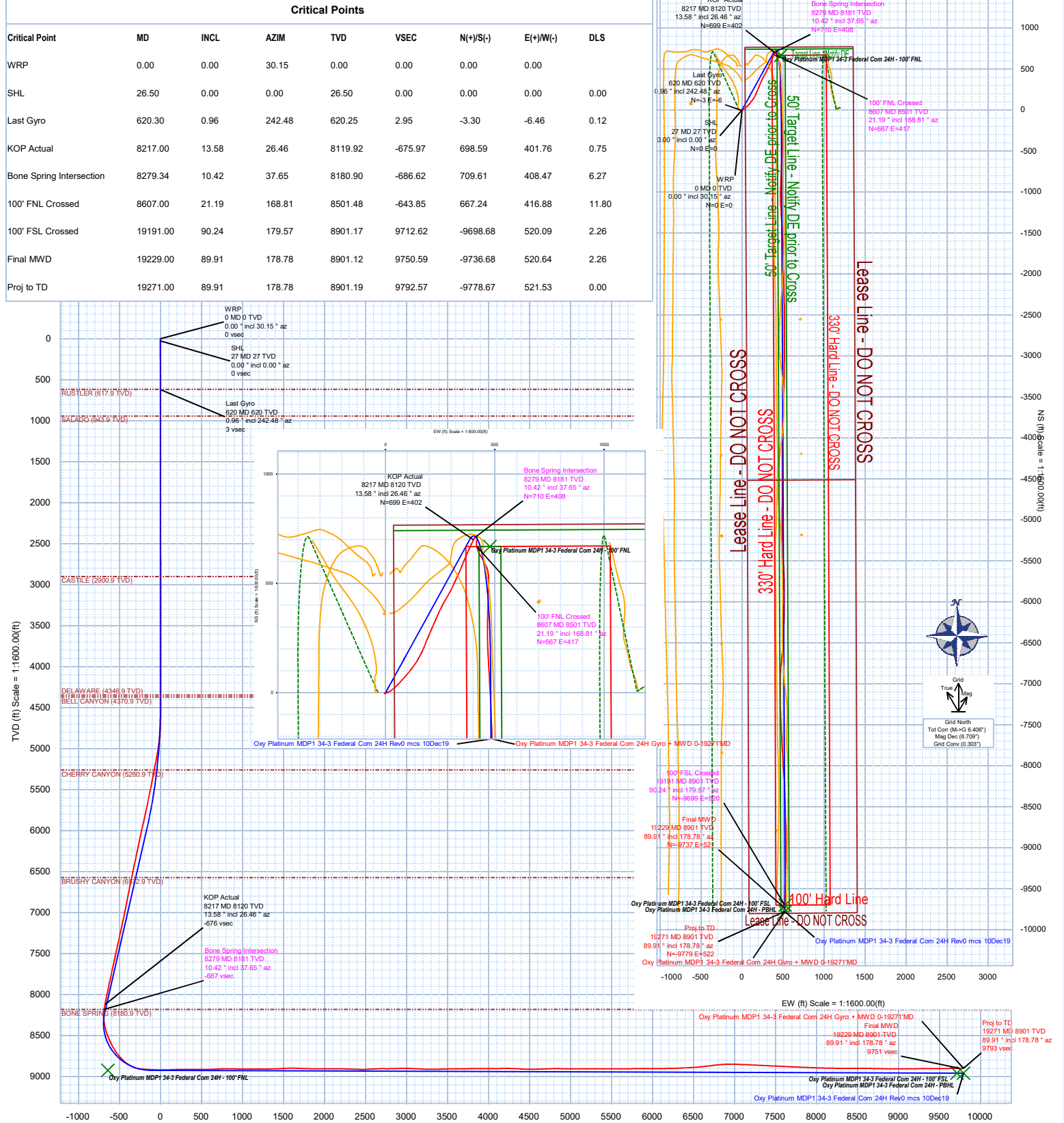


OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Platinum MDP1 34-3 Federal Com 24H	NM Eddy County (NAD 83)	Oxy Platinum MDP1 34-3 Federal Com 24H

Gravity & Magnetic Parameters				Surface Location				NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous			
Model:	IFR1	Dip:	59.929°	Date:	25-Jan-2020	Lat:	N 32 15 57.90	Northing:	460997.94FUS	Grid Conv:	0.303°	Slot:	Oxy Platinum MDP1 34-3 Federal Com 24H	TVD Ref:	RKB = 26.5'(3458.9ft above MSL)
MagDec:	6.709°	FS:	47901.8nT	Gravity FS:	998.447mgn (9.80665 Based)	Lon:	W 103 45 56.86	Easting:	716758.9FUS	Scale Fact:	0.99994433	Plan:	Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271MD		





Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD

Survey Geodetic Report

(Def Survey)

Report Date: February 17, 2020 - 12:16 PM Client: OXY Field: NM Eddy County (NAD 83) Structure / Slot: Oxy Platinum MDP1 34-3 Federal Com 24H / Oxy Platinum MDP1 34-3 Federal Com 24H Well: Oxy Platinum MDP1 34-3 Federal Com 24H Borehole: Original Borehole UWI / API#: Unknown / 30-015-46193 Survey Name: Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD Survey Date: January 19, 2020 Tort / AHD / DDI / ERD Ratio: 346.049 ° / 11383.121 ft / 6.930 / 1.276 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 15' 57.89928", W 103° 45' 56.86184" Location Grid N/E Y/X: N 460997.940 ftUS, E 716758.900 ftUS CRS Grid Convergence Angle: 0.3030 ° Grid Scale Factor: 0.99994433 Version / Patch: 2.10.782.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 176.917 ° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB = 26.5' TVD Reference Elevation: 3458.900 ft above MSL Seabed / Ground Elevation: 3432.400 ft above MSL Magnetic Declination: 6.709 ° Total Gravity Field Strength: 998.4467mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47901.800 nT Magnetic Dip Angle: 59.929 ° Declination Date: January 25, 2020 Magnetic Declination Model: IFR1 North Reference: Grid North Grid Convergence Used: 0.3030 ° Total Corr Mag North->Grid North: 6.4060 ° Local Coord Referenced To: Well Head	
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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 SHL	0.00	0.00	30.15	0.00	0.00	0.00	0.00	N/A	460997.94	716758.90	N 32 15 57.90	W 103 45 56.86
	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	460997.94	716758.90	N 32 15 57.90	W 103 45 56.86
Last Gyro	43.00	0.25	205.49	43.00	0.03	-0.03	-0.02	1.52	460997.91	716758.88	N 32 15 57.90	W 103 45 56.86
	69.10	0.39	230.09	69.10	0.13	-0.14	-0.11	0.74	460997.80	716758.79	N 32 15 57.90	W 103 45 56.86
	101.90	0.46	230.18	101.90	0.28	-0.30	-0.29	0.21	460997.64	716758.61	N 32 15 57.90	W 103 45 56.87
	130.90	0.52	242.62	130.90	0.40	-0.43	-0.50	0.42	460997.51	716758.40	N 32 15 57.90	W 103 45 56.87
	160.20	0.57	247.04	160.20	0.51	-0.55	-0.75	0.22	460997.39	716758.15	N 32 15 57.89	W 103 45 56.87
	189.40	0.56	241.50	189.39	0.62	-0.67	-1.01	0.19	460997.27	716757.89	N 32 15 57.89	W 103 45 56.87
	216.30	0.62	239.92	216.29	0.74	-0.81	-1.25	0.23	460997.13	716757.65	N 32 15 57.89	W 103 45 56.88
	245.70	0.68	238.01	245.69	0.90	-0.98	-1.54	0.22	460996.96	716757.36	N 32 15 57.89	W 103 45 56.88
	277.20	0.68	240.82	277.19	1.07	-1.17	-1.86	0.11	460996.77	716757.04	N 32 15 57.89	W 103 45 56.88
	308.70	0.72	243.79	308.69	1.23	-1.35	-2.20	0.17	460996.59	716756.70	N 32 15 57.89	W 103 45 56.89
	340.20	0.74	243.09	340.18	1.39	-1.53	-2.56	0.07	460996.41	716756.34	N 32 15 57.88	W 103 45 56.89
	371.80	0.81	243.42	371.78	1.56	-1.72	-2.94	0.22	460996.22	716755.96	N 32 15 57.88	W 103 45 56.90
	403.30	0.84	245.45	403.28	1.74	-1.92	-3.35	0.13	460996.02	716755.55	N 32 15 57.88	W 103 45 56.90
	434.80	0.88	248.22	434.77	1.90	-2.10	-3.79	0.18	460995.84	716755.11	N 32 15 57.88	W 103 45 56.91
	466.30	0.91	245.93	466.27	2.06	-2.30	-4.24	0.15	460995.64	716754.66	N 32 15 57.88	W 103 45 56.91
	497.80	0.87	247.38	497.77	2.23	-2.49	-4.69	0.15	460995.45	716754.21	N 32 15 57.87	W 103 45 56.92
	529.30	0.89	246.67	529.26	2.40	-2.68	-5.13	0.07	460995.26	716753.77	N 32 15 57.87	W 103 45 56.92
	560.80	0.91	246.12	560.76	2.57	-2.88	-5.59	0.07	460995.06	716753.31	N 32 15 57.87	W 103 45 56.93
	592.30	0.93	243.23	592.26	2.76	-3.09	-6.04	0.16	460994.85	716752.86	N 32 15 57.87	W 103 45 56.93
	620.30	0.96	242.48	620.25	2.95	-3.30	-6.46	0.12	460994.64	716752.45	N 32 15 57.87	W 103 45 56.94
	711.00	0.07	195.03	710.95	3.32	-3.71	-7.14	1.01	460994.23	716751.76	N 32 15 57.86	W 103 45 56.95
	782.00	0.07	46.97	781.95	3.33	-3.72	-7.12	0.19	460994.22	716751.78	N 32 15 57.86	W 103 45 56.95
	872.00	0.05	144.92	871.95	3.33	-3.72	-7.06	0.10	460994.22	716751.84	N 32 15 57.86	W 103 45 56.94
	963.00	0.07	265.97	962.95	3.37	-3.75	-7.09	0.12	460994.19	716751.81	N 32 15 57.86	W 103 45 56.94
	1055.00	0.07	283.63	1054.95	3.35	-3.74	-7.20	0.02	460994.20	716751.70	N 32 15 57.86	W 103 45 56.95
	1146.00	0.07	163.58	1145.95	3.39	-3.78	-7.24	0.13	460994.16	716751.66	N 32 15 57.86	W 103 45 56.95
	1237.00	0.07	25.63	1236.95	3.39	-3.79	-7.20	0.14	460994.15	716751.70	N 32 15 57.86	W 103 45 56.95
	1329.00	0.11	11.80	1328.95	3.26	-3.65	-7.16	0.05	460994.29	716751.74	N 32 15 57.86	W 103 45 56.95
	1421.00	0.07	323.25	1420.95	3.13	-3.52	-7.18	0.09	460994.42	716751.72	N 32 15 57.86	W 103 45 56.95
	1512.00	0.05	57.54	1511.95	3.06	-3.45	-7.18	0.10	460994.49	716751.73	N 32 15 57.87	W 103 45 56.95
	1604.00	0.12	118.58	1603.95	3.09	-3.48	-7.06	0.11	460994.46	716751.84	N 32 15 57.87	W 103 45 56.94
	1698.00	0.12	162.25	1697.95	3.24	-3.62	-6.94	0.09	460994.32	716751.96	N 32 15 57.86	W 103 45 56.94
	1793.00	0.05	352.04	1792.95	3.29	-3.67	-6.92	0.18	460994.27	716751.98	N 32 15 57.86	W 103 45 56.94
	1888.00	0.12	165.64	1887.95	3.35	-3.73	-6.90	0.18	460994.21	716752.00	N 32 15 57.86	W 103 45 56.94
	1982.00	0.07	260.36	1981.95	3.45	-3.83	-6.93	0.15	460994.11	716751.97	N 32 15 57.86	W 103 45 56.94
	2077.00	0.12	104.99	2076.95	3.49	-3.87	-6.89	0.20	460994.07	716752.01	N 32 15 57.86	W 103 45 56.94
	2172.00	0.05	71.80	2171.95	3.51	-3.88	-6.75	0.09	460994.06	716752.15	N 32 15 57.86	W 103 45 56.94
	2266.00	0.12	351.32	2265.95	3.40	-3.77	-6.73	0.13	460994.17	716752.17	N 32 15 57.86	W 103 45 56.94
	2361.00	0.12	142.91	2360.95	3.39	-3.75	-6.69	0.24	460994.19	716752.21	N 32 15 57.86	W 103 45 56.94
	2456.00	0.07	238.75	2455.95	3.50	-3.86	-6.68	0.15	460994.08	716752.23	N 32 15 57.86	W 103 45 56.94
	2550.00	0.12	79.52	2549.95	3.51	-3.87	-6.63	0.20	460994.07	716752.27	N 32 15 57.86	W 103 45 56.94
	2645.00	0.07	147.18	2644.95	3.55	-3.90	-6.50	0.12	460994.04	716752.40	N 32 15 57.86	W 103 45 56.94
	2740.00	0.12	209.71	2739.95	3.68	-4.04	-6.52	0.11	460993.90	716752.38	N 32 15 57.86	W 103 45 56.94
	2834.00	0.11	192.89	2833.95	3.85	-4.21	-6.58	0.04	460993.73	716752.32	N 32 15 57.86	W 103 45 56.94
	2929.00	0.07	63.05	2928.95	3.91	-4.27	-6.55	0.17	460993.67	716752.35	N 32 15 57.86	W 103 45 56.94
	3024.00	0.07	71.57	3023.95	3.88	-4.23	-6.45	0.01	460993.71	716752.45	N 32 15 57.86	W 103 45 56.94
	3118.00	0.07	1.04	3117.95	3.80	-4.15	-6.39	0.09	460993.79	716752.51	N 32 15 57.86	W 103 45 56.94
	3213.00	0.11	299.67	3212.95	3.70	-4.05	-6.47	0.10	460993.89	716752.43	N 32 15 57.86	W 103 45 56.94
	3308.00	0.12	124.55	3307.94	3.71	-4.06	-6.47	0.24	460993.88	716752.43	N 32 15 57.86	W 103 45 56.94
	3403.00	0.19	151.15	3402.94	3.91	-4.26	-6.31	0.10	460993.68	716752.59	N 32 15 57.86	W 103 45 56.94
	3497.00	0.12	123.19	3496.94	4.11	-4.45	-6.15	0.11	460993.49	716752.75	N 32 15 57.86	W 103 45 56.93
	3592.00	0.22	200.09	3591.94	4.34	-4.67	-6.13	0.24	460993.27	716752.77	N 32 15 57.85	W 103 45 56.93
	3687.00	0.07	268.11	3686.94	4.50	-4.85	-6.25	0.22	460993.10	716752.65	N 32 15 57.85	W 103 45 56.93
	3781.00	0.37	248.49	3780.94	4.60	-4.96	-6.59	0.32	460992.98	716752.31	N 32 15 57.85	W 103 45 56.94
3902.00	0.12	236.96	3901.94	4.78	-5.17	-7.06	0.21	460992.77	716751.84	N 32 15 57.85	W 103 45 56.94	
3970.00	0.07	291.57	3969.94	4.80	-5.19	-7.16	0.14	460992.75	716751.74	N 32 15 57.85	W 103 45 56.95	
4065.00	0.12	217.78	4064.94	4.85	-5.25	-7.27	0.13	460992.69	716751.63	N 32 15 57.85	W 103 45 56.95	
4160.00	0.09	230.10	4159.94	4.97	-5.38	-7.39	0.04	460992.56	716751.51	N 32 15 57.85	W 103 45 56.95	
4255.00	0.27	279.73	4254.94	4.97	-5.39	-7.67	0.23	460992.55	716751.23	N 32 15 57.85	W 103 45 56.95	
4330.00	0.25	306.82	4329.94	4.82	-5.26	-7.98	0.16	460992.68	716750.93	N 32 15 57.85	W 103 45 56.96	
4499.00	0.47	91.83	4498.94	4.65	-5.06	-7.58	0.41	460992.88	716751.32	N 32 15 57.85	W 103 45 56.95	
4594.00	3.62	73.15	4593.87	3.97	-4.20	-4.32	3.35	460993.74	716754.58	N 32 15 57.86	W 103 45 56.91	
4688.00	6.42	74.32	4687.50	2.11	-1.92	3.58	2.98	460996.02	716762.48	N 32 15 57.88	W 103 45 56.82	
4783.00	9.02	61.51	4781.63	-2.24	3.07	15.25	3.27	461001.01	716774.15	N 32 15 57.93	W 103 45 56.68	
4878.00	11.54	51.06	4875.11	-11.01	12.59	29.19	3.29	461010.53	716788.08	N 32 15 58.02	W 103 45 56.52	
5067.00	14.64	44.05	5059.19	-38.34	41.65	60.51	1.84	461039.59	716819.40	N 32 15 58.31	W 103 45 56.15	
5257.00	14.45	40.32	5243.10	-71.89	76.98	92.54	0.50	461074.92	716851.44	N 32 15 58.66	W 103 45 55.78	
5446.00	14.36	37.25	5426.16	-106.89	113.62	121.99	0.41	461111.55	716880.88	N 32 15 59.02	W 103 45 55.43	
5541.00	14.50	34.03	5518.17	-125.36	132.85	135.77	0.86	461130.78	716894.66	N 32 15 59.21	W 103 45 55.27	
5730.00	13.98	27.32	5701.37	-163.92	172.75	159.49	0.92	461170.68	716918.38	N 32 15 59.60	W 103 45 54.99	
5920.00	13.52	21.29	5885.94	-203.95	213.83	178.09	0.79	461211.76	716936.98	N 32 16 0.01	W 103 45 54.77	
6014.00	13.48	22.10	5977.34	-223.87	234.22	186.20	0.21	461232.15	716945.09	N 32 16 0.21	W 103 45 54.68	
6204.00	13.27	23.26	6162.19	-263.45	274.78	203.15	0.18	461272.70	716962.03	N 32 16 0.61	W 103 45 54.48	
6299.00	13.33	23.61	6254.64	-283.01	294.83	211.84	0.08	461292.75	716970.73	N 32 16 0.81	W 103 45 54.38	
6393.00	13.39	23.83	6346.09	-302.40	314.71	220.58	0.11	461312.63	716979.46	N 32 16 1.00		

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 ° ' ")
	6583.00	13.29	23.94	6530.97	-341.47	354.80	238.33	0.05	461352.72	716997.21	N 32 16 1.40 W	103 45 54.06
	6772.00	13.02	26.68	6715.01	-379.30	393.68	256.70	0.36	461391.59	717015.59	N 32 16 1.78 W	103 45 53.85
	6867.00	13.17	29.22	6807.54	-397.74	412.68	266.79	0.63	461410.60	717025.67	N 32 16 1.97 W	103 45 53.73
	6962.00	13.22	30.09	6900.03	-415.98	431.53	277.52	0.22	461429.44	717036.40	N 32 16 2.15 W	103 45 53.60
	7057.00	13.63	29.39	6992.44	-434.51	450.68	288.46	0.46	461448.59	717047.34	N 32 16 2.34 W	103 45 53.47
	7247.00	13.82	25.00	7177.02	-473.42	490.75	309.03	0.56	461488.66	717067.92	N 32 16 2.74 W	103 45 53.23
	7342.00	13.62	24.90	7269.31	-493.31	511.18	318.54	0.21	461509.09	717077.42	N 32 16 2.94 W	103 45 53.12
	7436.00	13.72	24.80	7360.64	-512.94	531.34	327.87	0.11	461529.25	717086.76	N 32 16 3.14 W	103 45 53.01
	7531.00	13.81	23.25	7452.91	-533.06	551.98	337.08	0.40	461549.89	717095.96	N 32 16 3.34 W	103 45 52.90
	7720.00	13.55	22.10	7636.55	-573.31	593.22	354.31	0.20	461591.13	717113.19	N 32 16 3.75 W	103 45 52.70
	7816.00	13.76	22.91	7729.84	-593.75	614.16	362.99	0.30	461612.06	717121.87	N 32 16 3.96 W	103 45 52.60
	8004.00	13.20	24.28	7912.66	-632.91	654.32	380.52	0.34	461652.22	717139.39	N 32 16 4.35 W	103 45 52.39
	8194.00	13.42	26.73	8097.56	-671.31	693.79	399.35	0.32	461691.69	717158.23	N 32 16 4.74 W	103 45 52.17
KOP Actual	8217.00	13.58	26.46	8119.92	-675.97	698.59	401.76	0.75	461696.49	717160.63	N 32 16 4.79 W	103 45 52.14
Bone Spring	8279.34	10.42	37.65	8180.90	-686.62	709.61	408.47	6.27	461707.51	717167.34	N 32 16 4.90 W	103 45 52.06
Intersection												
	8327.00	8.44	51.39	8227.92	-691.92	715.21	413.83	6.27	461713.11	717172.71	N 32 16 4.95 W	103 45 52.00
	8421.00	9.18	180.31	8321.41	-688.42	711.99	419.22	16.90	461709.89	717178.09	N 32 16 4.92 W	103 45 51.94
	8516.00	13.47	194.69	8414.56	-670.31	693.70	416.37	5.37	461691.60	717175.25	N 32 16 4.74 W	103 45 51.97
100' FNL	8607.00	21.19	168.81	8501.48	-643.85	667.24	416.88	11.80	461665.14	717175.75	N 32 16 4.48 W	103 45 51.97
Crossed												
	8629.00	23.41	165.24	8521.83	-635.63	659.11	418.76	11.80	461657.01	717177.64	N 32 16 4.40 W	103 45 51.94
	8723.00	29.57	147.13	8606.06	-597.12	621.47	436.15	10.74	461619.38	717195.03	N 32 16 4.03 W	103 45 51.74
	8818.00	35.41	155.74	8686.20	-551.05	576.63	460.22	7.83	461574.54	717219.09	N 32 16 3.58 W	103 45 51.47
	8913.00	41.57	181.54	8761.01	-493.54	519.61	470.76	17.98	461517.52	717229.63	N 32 16 3.02 W	103 45 51.35
	9007.00	49.89	181.23	8826.57	-426.49	452.38	469.14	8.85	461450.29	717228.02	N 32 16 2.35 W	103 45 51.37
	9102.00	63.69	181.76	8878.47	-347.46	373.11	467.05	14.53	461371.03	717225.92	N 32 16 1.57 W	103 45 51.40
	9197.00	83.13	180.24	8905.47	-257.08	282.52	465.53	20.52	461280.44	717224.40	N 32 16 0.67 W	103 45 51.42
	9290.00	87.27	177.16	8913.25	-164.48	189.90	467.64	5.54	461187.83	717226.51	N 32 15 59.75 W	103 45 51.40
	9371.00	87.12	176.74	8917.21	-83.58	109.11	471.94	0.55	461107.05	717230.81	N 32 15 58.95 W	103 45 51.36
	9464.00	89.98	177.02	8919.57	9.38	16.29	477.00	3.09	461014.23	717235.87	N 32 15 58.04 W	103 45 51.31
	9558.00	91.56	177.63	8918.30	103.37	-77.59	481.39	1.80	460920.35	717240.26	N 32 15 57.11 W	103 45 51.26
	9651.00	92.66	177.52	8914.88	196.30	-170.45	485.32	1.19	460827.50	717244.19	N 32 15 56.19 W	103 45 51.22
	9745.00	89.33	178.32	8913.25	290.26	-264.36	488.73	3.64	460733.60	717247.60	N 32 15 55.26 W	103 45 51.19
	9838.00	89.95	178.73	8913.83	383.22	-357.32	491.12	0.80	460640.64	717249.99	N 32 15 54.34 W	103 45 51.16
	9931.00	89.22	180.52	8914.51	476.11	-450.31	491.73	2.08	460547.65	717250.60	N 32 15 53.42 W	103 45 51.16
	10025.00	91.32	183.01	8914.06	569.76	-544.26	488.84	3.47	460453.72	717247.71	N 32 15 52.49 W	103 45 51.20
	10118.00	93.04	182.70	8910.53	662.19	-637.07	484.21	1.88	460360.91	717243.08	N 32 15 51.57 W	103 45 51.26
	10212.00	92.22	182.66	8906.21	755.61	-730.87	479.82	0.87	460267.11	717238.69	N 32 15 50.64 W	103 45 51.32
	10305.00	88.61	182.30	8905.54	848.16	-823.76	475.79	3.90	460174.22	717234.67	N 32 15 49.72 W	103 45 51.37
	10398.00	88.64	182.09	8907.77	940.74	-916.67	472.23	0.23	460081.33	717231.11	N 32 15 48.80 W	103 45 51.42
	10491.00	90.81	181.44	8908.22	1033.40	-1009.62	469.37	2.44	459988.38	717228.24	N 32 15 47.88 W	103 45 51.46
	10584.00	89.91	178.02	8907.63	1126.27	-1102.60	469.81	3.80	459895.40	717228.68	N 32 15 46.96 W	103 45 51.46
	10678.00	89.67	176.22	8907.98	1220.26	-1196.48	474.53	1.93	459801.53	717233.40	N 32 15 46.04 W	103 45 51.41
	10865.00	91.77	176.28	8905.63	1407.22	-1383.05	486.76	1.12	459614.97	717245.63	N 32 15 44.19 W	103 45 51.28
	10958.00	93.35	177.63	8901.47	1500.13	-1475.82	491.69	2.23	459522.20	717250.57	N 32 15 43.27 W	103 45 51.23
	11051.00	90.32	176.66	8898.50	1593.07	-1568.65	496.32	3.42	459429.38	717255.20	N 32 15 42.35 W	103 45 51.18
	11146.00	87.95	177.39	8899.93	1688.05	-1663.07	501.25	2.61	459334.54	717260.13	N 32 15 41.41 W	103 45 51.13
	11241.00	87.85	178.13	8903.41	1782.97	-1758.36	504.97	0.79	459239.68	717263.84	N 32 15 40.47 W	103 45 51.09
	11335.00	89.57	178.91	8905.53	1876.91	-1852.30	507.39	2.01	459145.74	717266.26	N 32 15 39.54 W	103 45 51.07
	11429.00	89.50	179.32	8906.29	1970.84	-1946.29	508.84	0.44	459051.76	717267.71	N 32 15 38.61 W	103 45 51.06
	11524.00	90.60	179.17	8906.21	2065.76	-2041.28	510.10	1.17	458956.78	717268.97	N 32 15 37.67 W	103 45 51.05
	11619.00	89.71	178.95	8905.95	2160.69	-2136.26	511.65	0.97	458861.80	717270.52	N 32 15 36.73 W	103 45 51.04
	11808.00	87.75	178.63	8910.14	2349.53	-2325.17	515.64	1.05	458672.91	717274.51	N 32 15 34.86 W	103 45 51.00
	11902.00	88.81	178.54	8912.96	2443.45	-2419.09	517.96	1.13	458578.99	717276.83	N 32 15 33.94 W	103 45 50.98
	11997.00	93.46	179.87	8911.08	2538.33	-2514.04	519.28	5.09	458484.05	717278.15	N 32 15 33.00 W	103 45 50.97
	12091.00	92.90	180.58	8905.86	2632.02	-2607.89	518.91	0.96	458390.20	717277.78	N 32 15 32.07 W	103 45 50.98
	12186.00	88.98	180.21	8904.31	2726.82	-2702.86	518.26	4.14	458295.24	717277.13	N 32 15 31.13 W	103 45 50.99
	12281.00	91.53	179.29	8903.88	2821.69	-2797.85	518.67	2.85	458200.25	717277.54	N 32 15 30.19 W	103 45 50.99
	12375.00	91.70	180.77	8901.23	2915.51	-2891.81	518.62	1.58	458106.30	717277.49	N 32 15 29.26 W	103 45 51.00
	12470.00	87.95	180.45	8901.52	3010.30	-2986.78	517.61	3.96	458011.33	717276.48	N 32 15 28.32 W	103 45 51.02
	12659.00	87.71	180.69	8908.68	3198.78	-3175.64	515.73	0.18	457822.48	717274.60	N 32 15 26.45 W	103 45 51.05
	12848.00	90.98	181.42	8910.84	3387.25	-3364.57	512.25	1.77	457633.57	717271.13	N 32 15 24.58 W	103 45 51.10
	12943.00	92.35	183.09	8908.08	3481.79	-3459.45	508.52	2.27	457538.69	717267.39	N 32 15 23.64 W	103 45 51.15
	13037.00	89.57	181.11	8906.51	3575.38	-3553.36	505.08	3.63	457444.79	717263.95	N 32 15 22.71 W	103 45 51.20
	13132.00	90.77	182.43	8906.22	3670.03	-3648.31	502.14	1.88	457349.84	717261.01	N 32 15 21.77 W	103 45 51.24
	13227.00	91.91	181.57	8904.00	3764.63	-3743.22	498.83	1.50	457254.93	717257.70	N 32 15 20.83 W	103 45 51.28
	13321.00	88.74	182.47	8903.47	3858.24	-3837.15	495.51	3.51	457161.01	717254.39	N 32 15 19.90 W	103 45 51.33
	13416.00	91.05	180.97	8903.64	3952.90	-3932.10	492.66	2.90	457066.07	717251.53	N 32 15 18.97 W	103 45 51.37
	13511.00	88.64	179.30	8903.90	4047.74	-4027.09	492.44	3.09	456971.09	717251.31	N 32 15 18.03 W	103 45 51.38
	13606.00	92.97	180.59	8902.57	4142.57	-4122.05	492.53	4.76	456876.13	717251.40	N 32 15 17.09 W	103 45 51.38
	13700.00	88.74	180.53	8901.36	4236.35	-4216.02	491.61	4.50	456782.17	717250.48	N 32 15 16.16 W	103 45 51.40
	13795.00	87.47	180.53	8904.30	4331.11	-4310.96	490.73	1.34	456687.23	717249.61	N 32 15 15.22 W	103 45 51.41
	13890.00	86.54	179.09	8909.27	4425.86	-4405.82	491.05	1.80	456592.37	717249.92	N 32 15 14.28 W	103 45 51.42
	13985.00	90.26	179.30	8911.92	4520.73	-4500.76	492.38	3.92	456497.44	717251.25	N 32 15 13.34 W	103 45 51.41
	14080.00	92.42	180.56	8909.70	4615.56	-4595.73	492.50	2.63	456402.48	717251.37	N 32 15 12.40 W	103 45 51.41
	14174.00	92.01	180.47	8906.07	4709.31	-4689.65	491.65	0.45	456308.56	717250.53	N 32 15 11.47 W	103 45 51.43
	14269.00	90.67	180.64	8903.84	4804.09	-4784.62	4					

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 ° ' ")
	17762.00	89.46	179.97	8900.10	8286.29	-8270.23	521.27	4.46	452728.19	717280.14	N 32 14 36.04	W 103 45 51.30
	17857.00	89.50	177.51	8900.96	8381.23	-8365.19	523.36	2.59	452633.23	717282.23	N 32 14 35.10	W 103 45 51.28
	17951.00	90.05	178.62	8901.33	8475.21	-8459.14	526.53	1.32	452539.29	717285.40	N 32 14 34.17	W 103 45 51.25
	18046.00	89.94	179.31	8901.34	8570.15	-8554.12	528.25	0.74	452444.31	717287.12	N 32 14 33.23	W 103 45 51.24
	18141.00	89.64	177.72	8901.69	8665.11	-8649.09	530.71	1.70	452349.35	717289.58	N 32 14 32.29	W 103 45 51.22
	18235.00	88.12	177.40	8903.53	8759.08	-8742.98	534.71	1.65	452255.46	717293.58	N 32 14 31.36	W 103 45 51.17
	18330.00	89.98	179.38	8905.10	8854.03	-8837.92	537.38	2.86	452160.53	717296.25	N 32 14 30.42	W 103 45 51.15
	18424.00	89.88	181.40	8905.22	8947.85	-8931.91	536.74	2.15	452066.54	717295.61	N 32 14 29.49	W 103 45 51.16
	18519.00	89.84	181.22	8905.45	9042.57	-9026.89	534.57	0.19	451971.57	717293.44	N 32 14 28.55	W 103 45 51.19
	18614.00	90.53	180.08	8905.14	9137.37	-9121.88	533.49	1.40	451876.59	717292.36	N 32 14 27.61	W 103 45 51.21
	18709.00	90.32	182.06	8904.44	9232.11	-9216.86	531.72	2.10	451781.62	717290.59	N 32 14 26.67	W 103 45 51.24
	18803.00	90.32	181.73	8903.91	9325.76	-9310.80	528.61	0.35	451687.67	717287.48	N 32 14 25.74	W 103 45 51.28
	18898.00	90.43	181.13	8903.29	9420.46	-9405.77	526.24	0.64	451592.71	717285.11	N 32 14 24.80	W 103 45 51.31
	18992.00	90.32	181.54	8902.68	9514.18	-9499.74	524.05	0.45	451498.74	717282.92	N 32 14 23.87	W 103 45 51.35
	19087.00	90.66	181.77	8901.95	9608.85	-9594.70	521.30	0.35	451403.79	717280.17	N 32 14 22.93	W 103 45 51.38
	19182.00	90.32	179.76	8901.22	9703.63	-9689.68	520.04	2.13	451308.81	717278.91	N 32 14 21.99	W 103 45 51.40
100' FSL	19191.00	90.24	179.57	8901.17	9712.62	-9698.68	520.09	2.26	451299.82	717278.96	N 32 14 21.90	W 103 45 51.40
Crossed	19229.00	89.91	178.78	8901.12	9750.59	-9736.68	520.64	2.26	451261.82	717279.51	N 32 14 21.53	W 103 45 51.40
Final MWD	19271.00	89.91	178.78	8901.19	9792.57	-9778.67	521.53	0.00	451219.83	717280.40	N 32 14 21.11	W 103 45 51.39
Proj to TD												

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 3 *** 3-D 95.00% 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	1/98.425	26.400	26.400	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD
	1	26.500	26.500	Act Stns	26.400	26.400	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD
	1	26.500	620.300	Act Stns	26.400	26.400	GYD_GC+DROP+OH	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD
	1	620.300	8217.000	Act Stns	26.400	26.400	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD
	1	8217.000	8516.000	Act Stns	26.400	26.400	B001Mb_MWD+HRGM	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD
	1	8516.000	14835.000	Act Stns	26.400	26.400	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD
	1	14835.000	16248.000	Act Stns	26.400	26.400	B001Mb_MWD+HRGM	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD
	1	16248.000	19271.000	Act Stns	26.400	26.400	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD

...Original Borehole\Oxy Platinum MDP1 34-3 Federal Com 24H Gyro + MWD 0-19271'MD