

GyroTracer Directional:

Date: 4/8/2018
 Operator : David England
 API : 05-123-19729
 Well Name : **Murata 23-19**
 Field : Crestone Peak Resources
 Tool Type And Number: 1609
 Bottom Depth : 7800.00
 Latitude : 40.122202 N
 Longitude : 104.822993 W
 Location: NESW 19 2N66W 6 PM
 Planned Footages: 1899 FSL 2036 FWL

**Starting Point Coordinates (in local grid):**

Northing: 0.00 Easting: 0.00 Altitude: 4860.00

Description:

Azimuth measured in degrees and referenced to True North

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 4/8/2018 12:28

End Time: 4/8/2018 13:59

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.000	0.360	340.531	30.192	100.000	0.550	0.320	0.360	0.636
200.000	0.440	56.280	31.953	199.998	0.984	0.614	0.491	1.159
300.000	0.320	62.471	36.868	299.997	1.387	1.040	0.093	1.733
400.000	0.600	136.657	56.896	399.993	1.155	1.771	0.598	2.114
500.000	0.720	152.222	84.429	499.987	0.238	2.436	0.219	2.447
600.000	0.860	153.193	106.408	599.978	-0.910	3.090	0.144	3.222
700.000	1.040	151.387	120.780	699.968	-2.179	3.658	0.188	4.257
800.000	0.740	157.898	128.816	799.959	-3.412	4.242	0.308	5.444
900.000	0.630	173.200	134.309	899.953	-4.439	4.548	0.212	6.355
1000.000	0.500	175.622	139.050	999.949	-5.312	4.610	0.123	7.034
1100.000	0.410	174.844	143.214	1099.945	-6.127	4.581	0.089	7.651
1200.000	0.350	198.370	146.810	1199.943	-6.813	4.456	0.164	8.141
1300.000	0.300	215.512	150.353	1299.941	-7.224	4.112	0.105	8.312
1400.000	0.170	226.709	153.422	1399.940	-7.536	3.770	0.111	8.426
1500.000	0.280	228.640	156.907	1499.938	-7.839	3.343	0.026	8.522
1600.000	0.340	229.914	159.782	1599.937	-7.971	2.935	0.112	8.494
1700.000	0.200	257.892	162.420	1699.936	-7.980	2.528	0.089	8.370
1800.000	0.280	264.780	165.019	1799.935	-7.948	2.127	0.063	8.228
1900.000	0.370	267.119	168.378	1899.934	-7.971	1.639	0.131	8.138
2000.000	0.630	271.212	174.053	1999.931	-7.994	0.833	0.273	8.037
2100.000	0.820	262.937	183.459	2099.921	-8.252	-0.499	0.269	8.267

2200.000	1.100	258.939	193.593	2199.908	-8.559	-2.070	0.336	8.806
2300.000	1.140	264.259	203.974	2299.890	-8.855	-3.938	0.194	9.691
2400.000	1.190	265.210	213.667	2399.869	-8.961	-5.969	0.122	10.767
2500.000	1.000	265.580	221.160	2499.851	-8.999	-7.867	0.114	11.953
2600.000	0.740	254.507	226.016	2599.838	-9.118	-9.447	0.296	13.129
2700.000	0.730	203.416	225.779	2699.829	-10.014	-10.290	0.665	14.358
2800.000	0.720	201.875	223.805	2799.820	-11.274	-10.813	0.095	15.621
2900.000	0.650	217.296	222.287	2899.811	-12.460	-11.332	0.194	16.843
3000.000	0.490	233.943	222.318	2999.806	-13.208	-12.026	0.239	17.862
3100.000	0.430	259.173	223.396	3099.803	-13.512	-12.776	0.269	18.596
3200.000	0.600	274.223	224.900	3199.799	-13.622	-13.574	0.273	19.231
3300.000	0.500	277.122	227.108	3299.794	-13.498	-14.530	0.119	19.833
3400.000	0.630	274.154	229.267	3399.789	-13.394	-15.554	0.157	20.526
3500.000	0.620	273.337	230.967	3499.784	-13.433	-16.568	0.050	21.329
3600.000	0.640	281.336	232.868	3599.779	-13.327	-17.601	0.208	22.077
3700.000	0.760	308.179	235.250	3699.773	-12.857	-18.533	0.346	22.556
3800.000	0.550	304.021	237.585	3799.768	-12.275	-19.331	0.236	22.899
3900.000	0.610	302.640	239.721	3899.763	-11.775	-20.169	0.142	23.354
4000.000	0.690	299.591	242.136	3999.757	-11.182	-21.152	0.040	23.926
4100.000	0.910	296.986	244.838	4099.747	-10.499	-22.350	0.201	24.693
4200.000	1.090	315.004	247.924	4199.734	-9.598	-23.665	0.432	25.537
4300.000	1.340	310.924	252.157	4299.710	-8.144	-25.298	0.282	26.577
4400.000	1.240	319.008	256.300	4399.684	-6.569	-26.948	0.195	27.737
4500.000	1.460	320.132	260.710	4499.654	-4.655	-28.457	0.213	28.835
4600.000	1.390	331.705	264.872	4599.624	-2.684	-29.905	0.270	30.025
4700.000	1.480	323.800	269.079	4699.591	-0.502	-31.263	0.229	31.267
4800.000	1.330	313.464	272.155	4799.562	1.236	-32.858	0.399	32.881
4900.000	0.580	283.478	273.383	4899.548	2.029	-34.326	0.799	34.386
5000.000	0.710	267.813	273.522	4999.542	2.179	-35.405	0.217	35.472
5100.000	0.580	280.325	273.644	5099.536	2.320	-36.426	0.190	36.499
5200.000	0.320	261.414	273.503	5199.533	2.279	-37.230	0.296	37.299
5300.000	0.050	159.788	273.455	5299.532	2.255	-37.353	0.331	37.421
5400.000	0.220	59.769	273.809	5399.531	2.462	-36.972	0.236	37.054
5500.000	0.340	63.467	274.200	5499.530	2.690	-36.640	0.116	36.739
5600.000	0.470	90.695	274.461	5599.529	2.829	-36.255	0.233	36.366
5700.000	0.780	75.908	275.243	5699.519	3.203	-34.913	0.340	35.060
5800.000	1.170	77.029	276.419	5799.500	3.716	-33.024	0.378	33.233
5900.000	0.840	51.870	278.072	5899.484	4.461	-31.456	0.540	31.771
6000.000	0.550	316.621	279.977	5999.475	5.476	-31.127	1.053	31.605
6100.000	0.600	5.324	281.471	6099.471	6.356	-31.319	0.469	31.958
6200.000	0.700	23.168	283.836	6199.462	7.654	-31.076	0.221	32.005
6300.000	0.450	32.013	285.436	6299.457	8.508	-30.812	0.263	31.965
6400.000	0.320	26.359	287.158	6399.452	9.414	-30.489	0.152	31.909
6500.000	0.560	44.730	288.964	6499.446	10.277	-29.908	0.268	31.625
6600.000	0.700	55.773	290.690	6599.440	11.019	-29.176	0.183	31.187
6700.000	0.240	63.662	292.074	6699.437	11.621	-28.656	0.464	30.923
6800.000	0.270	61.763	293.135	6799.435	12.099	-28.317	0.022	30.793
6900.000	0.210	46.375	294.355	6899.433	12.635	-27.912	0.090	30.639

7000.000	0.400	25.742	295.735	6999.429	13.256	-27.501	0.207	30.529
7100.000	0.740	38.225	297.338	7099.425	13.995	-27.071	0.363	30.475
7200.000	1.110	33.787	300.382	7199.412	15.430	-26.319	0.377	30.509
7300.000	1.010	35.605	304.073	7299.392	17.186	-25.409	0.115	30.675
7400.000	0.350	48.205	306.019	7399.385	18.160	-24.978	0.668	30.882
7500.000	0.140	313.168	306.687	7499.384	18.551	-24.899	0.384	31.050
7600.000	0.300	5.255	306.698	7599.383	18.690	-25.076	0.249	31.275
7700.000	0.390	11.469	307.169	7699.382	19.112	-25.208	0.102	31.634
7800.000	0.390	314.220	307.987	7799.379	19.814	-25.372	0.369	32.192

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