

GyroTracer Directional:

Date: 2/1/2018
 Operator : Brandon McKnight
 API: 05-123-20526
 Well: Kugel 22-18
 Field : Crestone Peak Resources
 Tool Type And Number: 1717
 Bottom Depth : 7900.00
 Latitude : 40.140228 N
 Longitude : 104.935169 W
 Location: SENW 18 2N67W 6 PM
 Planned Footages: 2020 FNL 1864 FWL

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

Northing: 0.00 Easting: 0.00 GLE: 4951.00

Description:

Azimuth measured in degrees and referenced to True North

Inclination measured from Vertical

Length measured in US survey feet

Temperature measured in Fahrenheit degrees

Start Time: 2/1/2018 10:57

End Time: 2/1/2018 12:26

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.000	0.000	0.000	0.000	-4951.000	0.000	0.000	0.000	0.000
100.530	0.530	21.016	66.721	-4850.470	0.370	0.860	0.527	0.936
200.000	0.647	24.197	45.301	-4751.007	1.380	1.394	0.122	1.962
300.000	1.294	33.016	40.220	-4651.022	2.802	2.370	0.558	3.670
400.000	1.370	54.063	41.746	-4551.050	4.470	3.989	0.524	5.992
500.000	1.420	67.512	47.654	-4451.082	5.651	6.200	0.335	8.389
600.000	0.902	89.891	54.304	-4351.102	5.843	8.133	0.676	10.014
700.000	0.958	115.739	60.906	-4251.115	5.347	9.609	0.428	10.996
800.000	0.970	121.636	67.724	-4151.126	4.425	10.803	0.098	11.674
900.000	0.905	136.245	74.201	-4051.138	3.357	11.863	0.228	12.329
1000.000	0.957	154.692	81.003	-3951.151	2.025	12.789	0.313	12.949
1100.000	0.935	170.909	87.862	-3851.165	0.497	13.323	0.275	13.332
1200.000	0.960	166.127	94.560	-3751.178	-1.090	13.667	0.088	13.710
1300.000	1.003	169.409	100.881	-3651.191	-2.677	13.928	0.153	14.183
1400.000	0.731	176.762	106.487	-3551.202	-4.101	13.858	0.303	14.452
1500.000	0.501	201.540	110.996	-3451.208	-5.199	13.546	0.243	14.509
1600.000	0.658	227.109	114.994	-3351.214	-6.041	12.958	0.295	14.297
1700.000	0.840	260.321	118.565	-3251.221	-6.491	11.923	0.459	13.576
1800.000	1.023	273.179	122.370	-3151.233	-6.574	10.371	0.269	12.279
1900.000	1.119	287.494	126.255	-3051.249	-6.308	8.602	0.279	10.667
2000.000	1.320	307.723	129.041	-2951.271	-5.454	6.725	0.479	8.659
2100.000	1.487	320.356	126.862	-2851.303	-3.723	4.965	0.365	6.206
2200.000	1.488	319.004	118.460	-2751.340	-1.704	3.144	0.100	3.576

2300.000	1.257	320.225	82.031	-2651.375	0.179	1.277	0.227	1.290
2400.000	1.255	319.376	354.036	-2551.403	1.975	-0.206	0.085	1.986
2500.000	1.190	326.403	336.695	-2451.428	3.702	-1.595	0.177	4.031
2600.000	1.025	332.930	334.458	-2351.445	5.323	-2.544	0.217	5.899
2700.000	1.058	326.208	333.801	-2251.463	6.938	-3.414	0.131	7.732
2800.000	0.949	328.461	332.557	-2151.480	8.508	-4.418	0.126	9.587
2900.000	0.901	308.938	330.712	-2051.495	9.808	-5.501	0.312	11.246
3000.000	1.059	309.389	327.891	-1951.509	10.861	-6.815	0.112	12.822
3100.000	0.997	312.957	325.784	-1851.524	11.945	-8.123	0.080	14.446
3200.000	0.745	310.282	324.458	-1751.538	13.106	-9.363	0.227	16.107
3300.000	1.523	295.815	322.216	-1651.564	14.413	-11.173	0.563	18.236
3400.000	1.725	296.959	318.931	-1551.599	15.570	-13.568	0.237	20.652
3500.000	1.558	302.930	317.411	-1451.633	17.047	-15.670	0.153	23.155
3600.000	1.449	296.756	315.525	-1351.665	18.246	-17.915	0.224	25.570
3700.000	1.484	290.190	313.792	-1251.695	19.289	-20.121	0.166	27.873
3800.000	1.646	289.339	312.094	-1151.736	20.494	-22.686	0.133	30.573
3900.000	1.783	292.887	310.245	-1051.796	21.864	-25.831	0.244	33.841
4000.000	1.927	276.994	308.432	-951.865	23.235	-29.281	0.537	37.379
4100.000	2.357	292.498	306.656	-851.943	24.541	-32.978	0.708	41.107
4200.000	2.496	288.848	305.035	-752.030	25.887	-36.923	0.261	45.093
4300.000	2.427	292.394	304.010	-652.127	27.626	-40.942	0.169	49.391
4400.000	2.080	286.028	303.363	-552.208	29.339	-44.557	0.449	53.349
4500.000	1.998	287.132	302.573	-452.273	30.607	-47.909	0.092	56.851
4600.000	1.595	268.463	301.618	-352.324	31.397	-50.999	0.720	59.889
4700.000	1.460	277.571	300.581	-252.363	31.774	-53.768	0.258	62.454
4800.000	1.354	276.935	299.614	-152.395	31.992	-56.284	0.056	64.741
4900.000	1.218	278.755	298.937	-52.424	32.425	-58.648	0.184	67.015
5000.000	1.295	277.655	298.353	47.547	32.898	-60.962	0.072	69.272
5100.000	1.340	280.406	297.633	147.516	33.211	-63.438	0.065	71.605
5200.000	1.360	282.495	297.036	247.484	33.632	-65.903	0.040	73.989
5300.000	1.359	283.040	296.589	347.453	34.198	-68.324	0.080	76.405
5400.000	1.353	284.938	296.367	447.426	34.948	-70.505	0.054	78.691
5500.000	1.052	280.729	296.094	547.406	35.471	-72.424	0.281	80.644
5600.000	0.847	282.412	295.924	647.394	35.904	-73.861	0.196	82.125
5700.000	0.450	274.384	295.786	747.387	36.232	-74.996	0.416	83.290
5800.000	0.494	290.611	295.753	847.383	36.573	-75.812	0.206	84.173
5900.000	0.521	306.446	295.789	947.379	36.986	-76.545	0.127	85.013
6000.000	0.499	311.795	295.815	1047.376	37.358	-77.226	0.051	85.787
6100.000	0.660	290.127	295.819	1147.371	37.784	-78.093	0.261	86.753
6200.000	1.085	289.668	295.683	1247.359	38.223	-79.481	0.411	88.195
6300.000	1.173	283.866	295.426	1347.340	38.691	-81.388	0.184	90.117
6400.000	1.445	269.139	295.049	1447.312	39.113	-83.692	0.436	92.380
6500.000	2.129	264.746	294.272	1547.266	39.105	-86.721	0.624	95.130
6600.000	3.370	257.686	292.971	1647.149	38.784	-91.496	1.316	99.377
6700.000	3.314	251.557	290.997	1746.979	37.259	-97.079	0.379	103.984
6800.000	3.360	246.322	288.999	1846.819	35.247	-102.369	0.321	108.267
6900.000	3.172	257.052	287.064	1946.658	33.012	-107.550	0.653	112.503
7000.000	3.247	243.114	285.116	2046.495	30.418	-112.613	0.506	116.649
7100.000	2.957	241.903	283.286	2146.342	27.735	-117.452	0.320	120.683
7200.000	3.030	238.471	281.484	2246.196	24.773	-121.942	0.170	124.433

7300.000	2.364	237.395	280.048	2346.088	22.298	-125.844	0.649	127.804
7400.000	2.637	231.808	278.802	2445.995	20.052	-129.502	0.374	131.045
7500.000	2.871	223.924	277.211	2545.889	16.795	-132.733	0.413	133.792
7600.000	2.745	208.102	275.663	2645.781	13.483	-135.963	0.805	136.630
7700.000	2.117	229.391	274.346	2745.684	10.583	-139.256	1.057	139.658
7800.000	1.079	198.827	273.488	2845.647	8.583	-140.827	1.367	141.088
7900.000	0.920	222.390	272.906	2945.630	7.204	-141.913	0.441	142.095
7900.450	0.910	221.660	272.904	2946.080	7.199	-141.917	0.434	142.100



Temp
0.000
50.290
50.550
50.790
51.080
51.460
51.873
52.360
52.900
53.470
54.140
54.850
63.090
63.600
64.230
64.910
65.652
66.450
67.320
68.250
69.280
70.377
71.530

82.770
83.580
84.470
85.430
86.450
87.573
88.730
89.930
91.190
92.500
93.920
107.340
108.273
109.320
110.420
111.580
112.820
114.150
115.550
116.947
118.450
134.120
135.187
136.300
137.500
138.690
139.970
141.260
142.650
144.090
145.580
147.130
161.003
161.940
162.950
164.070
165.220
166.460
167.810
169.280
170.800
172.440
189.278
190.380
191.570
192.830
194.210
195.670
197.220
198.876

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202.490
219.790
221.030
222.340
223.750
225.880
226.040