

**GyroTracer Directional:**

Date: 9/23/2018  
 Operator : David England  
 Crew : 05-123-20567  
 Well Name: **Barclay Crisman 13-20**  
 Field : Crestone Peak Resources  
 Tool Type And Number: 1605  
 Bottom Depth : 7750.00  
 Latitude : 40.20894 N  
 Longitude : 104.80915 W  
 Location: NWSW 20 3N66W 6PM  
 Planned Footages: 2163 FSL 461 FWL

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

Northing: 0.00      Easting: 0.00      Altitude: 4921.00

**Description:**

*Azimuth measured in degrees and referenced to True North*

*Inclination measured from Vertical*

*Length measured in US survey feet*

Start Time: 9/23/2018 11:07

End Time: 9/23/2018 12:24

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	0.380	284.548	301.551	100.000	0.350	-0.570	0.380	0.669
200.000	0.206	322.787	293.257	199.998	0.498	-1.159	0.257	1.261
300.000	0.250	285.691	286.898	299.996	0.531	-1.748	0.096	1.826
400.000	0.380	289.361	286.486	399.994	0.698	-2.357	0.139	2.458
500.000	0.436	289.983	287.255	499.991	0.936	-3.013	0.110	3.155
600.000	0.266	299.834	287.628	599.990	1.130	-3.555	0.168	3.730
700.000	0.166	300.368	287.824	699.988	1.285	-3.996	0.172	4.197
800.000	0.228	303.954	286.669	799.985	1.355	-4.526	0.047	4.725
900.000	0.321	289.962	286.572	899.984	1.483	-4.985	0.081	5.201
1000.000	0.288	299.551	286.724	999.983	1.637	-5.449	0.068	5.690
1100.000	0.456	265.021	285.558	1099.981	1.676	-6.018	0.249	6.247
1200.000	0.498	275.090	283.550	1199.978	1.625	-6.741	0.051	6.934
1300.000	0.511	271.390	281.525	1299.974	1.538	-7.544	0.045	7.699
1400.000	0.502	266.438	280.001	1399.969	1.507	-8.547	0.023	8.679
1500.000	0.829	272.129	278.119	1499.962	1.381	-9.682	0.241	9.780
1600.000	0.861	273.650	276.835	1599.952	1.332	-11.115	0.047	11.194
1700.000	0.881	266.849	276.230	1699.940	1.376	-12.605	0.090	12.680
1800.000	0.817	265.932	275.153	1799.929	1.272	-14.106	0.060	14.163
1900.000	0.857	265.572	273.899	1899.918	1.061	-15.560	0.047	15.596
2000.000	0.807	264.544	273.229	1999.910	0.950	-16.830	0.073	16.857
2100.000	0.552	283.067	273.421	2099.903	1.072	-17.935	0.351	17.967
2200.000	0.576	252.844	273.549	2199.898	1.175	-18.944	0.280	18.981
2300.000	0.797	212.546	272.296	2299.893	0.795	-19.815	0.522	19.831

2400.000	1.015	203.281	268.571	2399.881	-0.512	-20.525	0.312	20.531
2500.000	1.796	184.683	262.348	2499.853	-2.811	-20.924	0.826	21.112
2600.000	2.480	179.205	252.912	2599.786	-6.436	-20.937	0.730	21.904
2700.000	2.848	189.660	241.295	2699.664	-11.351	-20.729	0.617	23.634
2800.000	2.959	179.422	231.419	2799.530	-16.503	-20.687	0.573	26.464
2900.000	2.916	177.340	223.248	2899.397	-21.630	-20.345	0.119	29.695
3000.000	2.544	176.491	217.154	2999.277	-26.505	-20.084	0.330	33.255
3100.000	2.353	178.576	212.919	3099.184	-30.810	-19.946	0.310	36.703
3200.000	2.371	177.172	209.450	3199.101	-34.873	-19.690	0.054	40.047
3300.000	2.519	167.259	206.170	3299.019	-38.833	-19.083	0.438	43.269
3400.000	2.384	167.711	203.106	3398.942	-42.664	-18.203	0.434	46.385
3500.000	2.190	174.222	200.795	3498.868	-46.421	-17.629	0.109	49.656
3600.000	1.670	176.579	199.106	3598.812	-49.727	-17.225	0.527	52.626
3700.000	1.159	173.508	198.091	3698.781	-52.175	-17.044	0.526	54.888
3800.000	0.805	171.680	197.380	3798.766	-53.860	-16.858	0.285	56.436
3900.000	1.127	172.263	196.680	3898.755	-55.297	-16.568	0.328	57.726
4000.000	0.683	173.242	196.075	3998.746	-56.622	-16.317	0.087	58.926
4100.000	0.710	183.719	195.743	4098.738	-57.887	-16.318	0.101	60.143
4200.000	0.705	191.995	195.550	4198.729	-59.177	-16.467	0.123	61.425
4300.000	0.730	161.864	195.234	4298.720	-60.480	-16.470	0.355	62.683
4400.000	0.741	172.301	194.819	4398.711	-61.812	-16.354	0.215	63.939
4500.000	0.620	160.491	194.338	4498.705	-62.916	-16.082	0.201	64.939
4600.000	0.502	154.246	193.810	4598.700	-63.747	-15.670	0.081	65.645
4700.000	0.469	118.837	193.192	4698.696	-64.193	-15.047	0.333	65.933
4800.000	0.615	82.989	192.328	4798.691	-64.349	-14.064	0.371	65.868
4900.000	0.392	97.938	191.390	4898.684	-64.195	-12.933	0.285	65.484
5000.000	0.594	91.808	190.669	4998.680	-63.951	-12.047	0.138	65.076
5100.000	0.299	64.981	190.157	5098.677	-63.711	-11.414	0.324	64.725
5200.000	0.275	70.902	189.756	5198.676	-63.506	-10.919	0.030	64.438
5300.000	0.068	112.398	189.429	5298.675	-63.394	-10.528	0.184	64.263
5400.000	0.162	88.285	189.236	5398.674	-63.441	-10.316	0.105	64.274
5500.000	0.085	133.749	189.024	5498.673	-63.452	-10.077	0.087	64.247
5600.000	0.112	155.873	188.813	5598.672	-63.659	-9.869	0.037	64.419
5700.000	0.318	165.911	188.597	5698.672	-63.896	-9.660	0.172	64.622
5800.000	0.090	176.861	188.464	5798.671	-64.124	-9.543	0.150	64.830
5900.000	0.082	258.261	188.432	5898.671	-64.278	-9.529	0.140	64.980
6000.000	0.568	266.365	188.903	5998.668	-64.411	-10.090	0.399	65.197
6100.000	0.594	260.038	189.832	6098.661	-64.615	-11.198	0.098	65.578
6200.000	0.825	261.389	190.839	6198.653	-64.842	-12.415	0.111	66.020
6300.000	0.660	277.136	191.895	6298.645	-64.927	-13.676	0.197	66.351
6400.000	0.860	270.919	192.916	6398.637	-64.965	-14.898	0.200	66.651
6500.000	0.597	269.762	193.794	6498.631	-65.095	-15.982	0.274	67.028
6600.000	0.484	236.635	194.332	6598.628	-65.336	-16.693	0.246	67.435
6700.000	0.637	243.399	194.821	6698.625	-65.608	-17.361	0.178	67.866
6800.000	0.528	244.613	195.375	6798.621	-65.924	-18.127	0.075	68.371
6900.000	0.558	232.474	195.892	6898.617	-66.235	-18.858	0.127	68.868
7000.000	0.364	255.579	196.447	6998.613	-66.628	-19.669	0.236	69.471
7100.000	0.814	230.623	196.947	7098.607	-67.259	-20.495	0.467	70.312
7200.000	0.351	230.512	197.345	7198.602	-67.850	-21.191	0.476	71.082
7300.000	0.067	21.970	197.644	7298.601	-67.933	-21.607	0.644	71.286

7400.000	0.327	348.682	197.770	7398.599	-67.496	-21.632	0.210	70.878
7500.000	0.101	337.346	197.797	7498.597	-66.941	-21.489	0.188	70.306
7600.000	0.290	19.550	197.867	7598.595	-66.347	-21.387	0.201	69.709
7700.000	0.602	29.165	197.775	7698.593	-65.768	-21.085	0.341	69.065
7750.000	0.410	67.880	197.657	7749.161	-65.515	-20.854	0.222	68.754

