

GyroTracer Directional:

Date: 11/30/2017
 Operator : David England
 API : 05-123-26506
 Well Number : Aufrecht N 02-09
 Field : SRC Energy
 Tool Type And Number: 1213
 Bottom Depth : 7050.00
 Latitude : 40.43
 Longitude : 104.85
 Grid Offset : 0.00

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

Northing: 0.00 Easting: 0.00 Altitude: 4940.00

Description:

Azimuth measured in degrees and referenced to True North

Inclination measured from Vertical

Length measured in feet

Temperature measured in Fahrenheit degrees

Start Time: 11/30/2017 8:21

End Time: 11/30/2017 9:57

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance	Temp
					+N/-S	+E/-W			
0.00	0.00	0.00	0.00	-4940.00	0.00	0.00	0.00	0.00	0.00
100.00	0.19	328.38	318.65	-4840.00	0.25	-0.22	0.19	0.33	70.96
200.00	0.11	36.26	321.33	-4740.00	0.37	-0.30	0.17	0.47	70.95
300.00	0.24	227.81	309.65	-4640.00	0.37	-0.45	0.34	0.59	70.92
400.00	0.09	269.03	292.81	-4540.00	0.27	-0.64	0.18	0.69	70.92
500.00	0.25	205.65	270.49	-4440.00	0.01	-0.67	0.21	0.67	70.91
600.00	0.06	118.27	258.04	-4340.00	-0.16	-0.75	0.26	0.77	70.89
700.00	0.19	204.67	245.01	-4240.00	-0.40	-0.86	0.18	0.95	70.89
800.00	0.21	183.72	234.37	-4140.00	-0.59	-0.82	0.04	1.00	70.88
900.00	0.14	98.69	220.42	-4040.00	-0.74	-0.63	0.28	0.97	70.88
1000.00	0.42	142.21	180.97	-3940.01	-1.19	-0.02	0.31	1.19	71.18
1100.00	0.42	150.08	162.29	-3840.01	-1.65	0.53	0.11	1.74	71.25
1200.00	0.43	140.66	152.85	-3740.01	-2.11	1.08	0.11	2.37	71.32
1300.00	0.18	113.98	147.09	-3640.02	-2.48	1.61	0.27	2.96	71.41
1400.00	0.38	128.24	144.24	-3540.02	-2.84	2.05	0.21	3.51	71.50
1500.00	0.27	213.68	146.97	-3440.02	-3.18	2.07	0.47	3.80	71.62
1600.00	0.20	222.06	153.25	-3340.02	-3.38	1.70	0.05	3.78	71.75
1700.00	0.37	294.52	162.86	-3240.02	-3.42	1.06	0.37	3.58	71.91
1800.00	0.55	314.37	173.00	-3140.02	-3.04	0.37	0.24	3.06	78.02
1900.00	0.89	331.25	187.41	-3040.03	-2.21	-0.29	0.44	2.23	79.13
2000.00	1.11	343.94	227.71	-2940.04	-0.67	-0.74	0.31	1.00	80.35
2100.00	1.36	348.60	319.95	-2840.06	1.31	-1.10	0.25	1.71	81.60
2200.00	1.44	355.64	338.37	-2740.09	3.54	-1.40	0.19	3.80	82.89
2300.00	1.11	6.81	345.59	-2640.11	5.74	-1.48	0.40	5.93	84.17
2400.00	1.00	337.00	346.92	-2540.14	7.89	-1.83	0.46	8.10	85.62
2500.00	1.28	309.20	340.18	-2440.17	9.53	-3.44	0.57	10.13	87.04
2600.00	1.40	310.01	334.07	-2340.20	11.34	-5.51	0.22	12.61	95.61
2700.00	1.55	306.09	328.50	-2240.24	12.83	-7.86	0.15	15.05	96.95

2800.00	1.73	304.52	324.25	-2140.28	14.15	-10.19	0.26	17.43	98.21
2900.00	1.77	305.09	321.30	-2040.32	15.58	-12.48	0.32	19.97	99.50
3000.00	1.79	300.89	319.08	-1940.36	17.21	-14.92	0.15	22.77	100.79
3100.00	1.35	287.44	317.26	-1840.39	18.45	-17.05	0.48	25.12	102.10
3200.00	0.96	269.08	315.08	-1740.41	19.05	-19.00	0.56	26.90	103.52
3300.00	0.95	206.80	312.01	-1640.43	18.45	-20.49	1.01	27.57	105.14
3400.00	1.23	180.49	308.48	-1540.45	16.69	-20.99	0.74	26.82	114.30
3500.00	1.36	178.36	304.68	-1440.47	14.56	-21.04	0.07	25.58	115.63
3600.00	2.05	170.14	299.33	-1340.53	11.29	-20.09	0.65	23.05	116.95
3700.00	1.88	173.28	291.76	-1240.60	7.69	-19.26	0.26	20.74	118.43
3800.00	1.80	170.44	282.59	-1140.66	4.15	-18.58	0.22	19.03	119.86
3900.00	2.16	171.93	271.44	-1040.73	0.46	-18.12	0.36	18.13	121.37
4000.00	1.88	219.28	261.93	-940.79	-2.68	-18.90	1.54	19.08	122.82
4100.00	1.33	255.63	258.58	-840.82	-4.22	-20.89	1.11	21.31	133.12
4200.00	1.52	245.69	257.19	-740.85	-5.25	-23.10	0.29	23.69	134.36
4300.00	1.55	260.41	257.55	-640.89	-5.69	-25.77	0.42	26.39	135.66
4400.00	2.23	271.01	259.14	-540.95	-5.59	-29.14	0.76	29.67	137.01
4500.00	1.95	307.61	261.81	-441.01	-4.67	-32.48	1.32	32.82	138.43
4600.00	2.23	316.84	266.33	-341.08	-2.26	-35.34	0.48	35.41	139.81
4700.00	2.21	315.77	270.90	-241.16	0.60	-37.91	0.04	37.91	141.18
4800.00	1.72	324.42	274.48	-141.21	3.14	-40.04	0.56	40.16	142.63
4900.00	1.88	313.25	277.64	-41.27	5.64	-42.05	0.34	42.43	152.43
5000.00	1.38	309.01	279.47	58.70	7.37	-44.18	0.51	44.79	153.63
5100.00	1.25	294.35	280.51	158.67	8.57	-46.19	0.36	46.98	154.92
5200.00	1.28	297.28	281.15	258.65	9.45	-47.93	0.09	48.86	156.29
5300.00	0.74	298.98	281.60	358.64	10.15	-49.44	0.46	50.47	157.63
5400.00	0.94	305.51	282.24	458.62	11.02	-50.76	0.14	51.95	159.06
5500.00	1.32	336.51	283.68	558.60	12.61	-51.81	0.69	53.32	160.59
5600.00	1.20	329.06	285.53	658.58	14.66	-52.78	0.22	54.78	162.21
5700.00	0.95	325.73	286.68	758.56	16.10	-53.72	0.14	56.08	164.00
5800.00	0.85	316.77	287.50	858.55	17.26	-54.75	0.39	57.41	175.68
5900.00	0.73	312.33	288.13	958.54	18.25	-55.73	0.07	58.64	177.60
6000.00	0.75	320.73	288.72	1058.53	19.20	-56.65	0.16	59.82	179.57
6100.00	0.71	308.52	289.20	1158.52	20.03	-57.52	0.13	60.91	181.60
6200.00	0.60	310.75	289.63	1258.52	20.81	-58.35	0.08	61.95	183.71
6300.00	0.55	321.23	290.05	1358.51	21.55	-59.04	0.06	62.85	185.89
6400.00	0.56	306.15	290.43	1458.51	22.28	-59.81	0.39	63.83	196.67
6500.00	0.57	329.27	290.80	1558.50	22.97	-60.48	0.26	64.69	198.23
6600.00	0.91	321.38	291.26	1658.49	23.90	-61.43	0.21	65.92	199.88
6700.00	1.36	311.46	291.85	1758.47	25.21	-62.87	0.46	67.73	201.56
6800.00	1.78	260.32	291.39	1858.44	25.56	-65.24	1.35	70.07	203.39
6900.00	3.46	253.18	289.01	1958.29	24.28	-70.50	1.55	74.56	205.37
7000.00	3.41	233.94	285.72	2058.07	21.55	-76.54	1.11	79.52	216.75
7050.00	2.42	238.20	284.51	2108.01	20.32	-78.50	1.65	81.09	217.51