

GyroTracer Directional:

Date: 11/21/2017
 Operator : David England
 Well Number : Hertzke 1-33
 Field : SRC Energy
 API: 05-123-20035
 Bottom Depth : 7050.00
 Latitude : 40.42
 Longitude : 104.85
 Grid Offset : 0.00

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

Northing: 0.00 Easting: 0.00 Altitude: 4920.00

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: 11/21/2017 13:17

End Time: 11/21/2017 14:57

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	-4920.00	0.00	0.00	0.00	0.00	0.00
100.00	0.44	21.35	21.25	-4820.00	0.72	0.28	0.44	0.77	57.93
200.00	0.37	5.90	16.92	-4720.00	1.43	0.44	0.15	1.49	58.11
300.00	0.93	29.93	16.59	-4620.01	2.50	0.75	0.59	2.61	58.35
400.00	2.08	36.80	27.17	-4520.05	4.73	2.43	1.12	5.32	58.64
500.00	2.07	37.31	31.06	-4420.11	7.57	4.56	0.06	8.84	58.99
600.00	2.16	34.50	32.04	-4320.19	10.71	6.70	0.18	12.63	59.45
700.00	2.26	36.64	32.71	-4220.26	13.82	8.87	0.12	16.42	62.12
800.00	1.97	30.12	32.67	-4120.33	16.93	10.86	0.38	20.11	62.63
900.00	1.92	24.31	32.04	-4020.38	19.91	12.46	0.24	23.48	63.14
1000.00	1.89	25.59	31.60	-3920.44	22.92	14.10	0.07	26.91	63.72
1100.00	1.69	30.37	31.26	-3820.49	25.72	15.62	0.24	30.09	64.37
1200.00	1.59	29.84	31.16	-3720.53	28.17	17.04	0.11	32.92	65.03
1300.00	1.78	22.39	30.69	-3620.58	30.88	18.32	0.26	35.91	65.77
1400.00	1.77	26.05	30.21	-3520.63	33.69	19.62	0.13	38.99	70.69
1500.00	1.54	25.44	29.87	-3420.67	36.28	20.84	0.18	41.84	71.48
1600.00	1.45	19.26	29.41	-3320.70	38.66	21.79	0.21	44.38	72.34
1700.00	1.20	21.34	29.07	-3220.73	40.75	22.66	0.23	46.63	73.26
1800.00	1.08	15.33	28.64	-3120.75	42.62	23.27	0.14	48.56	74.27
1900.00	0.94	9.15	28.06	-3020.76	44.25	23.58	0.13	50.14	75.39
2000.00	1.02	348.95	27.24	-2920.77	45.82	23.59	0.34	51.54	81.99
2100.00	1.05	332.33	25.82	-2820.79	47.35	22.91	0.29	52.60	82.95
2200.00	1.53	340.06	23.84	-2720.81	49.23	21.76	0.53	53.83	83.94
2300.00	1.32	325.19	21.73	-2620.84	51.16	20.39	0.39	55.07	85.01
2400.00	1.45	316.78	19.50	-2520.87	53.01	18.77	0.19	56.23	86.04
2500.00	1.87	302.77	16.89	-2420.91	54.67	16.60	0.59	57.13	87.18
2600.00	1.83	298.62	13.96	-2320.95	56.23	13.98	0.15	57.95	88.40
2700.00	1.96	304.37	11.05	-2221.01	58.02	11.33	0.24	59.11	95.80
2800.00	1.75	305.72	8.14	-2121.06	59.79	8.55	0.17	60.40	96.93

2900.00	2.18	304.04	5.09	-2021.12	61.66	5.49	0.21	61.91	98.12
3000.00	1.69	296.22	2.30	-1921.19	63.50	2.55	0.52	63.55	99.36
3100.00	1.73	300.28	359.87	-1821.23	65.02	-0.15	0.17	65.02	100.67
3200.00	1.59	306.96	357.89	-1721.27	66.69	-2.46	0.23	66.73	101.68
3300.00	1.70	309.77	356.07	-1621.31	68.30	-4.69	0.11	68.46	103.54
3400.00	1.04	309.80	354.52	-1521.34	69.66	-6.68	0.55	69.98	112.50
3500.00	0.78	298.02	353.46	-1421.36	70.54	-8.08	0.37	71.00	113.77
3600.00	0.72	294.55	352.64	-1321.36	71.03	-9.18	0.07	71.62	115.04
3700.00	0.69	272.95	351.66	-1221.37	71.26	-10.44	0.25	72.02	116.37
3800.00	0.88	267.21	350.62	-1121.38	71.31	-11.78	0.17	72.28	117.77
3900.00	0.97	270.18	349.29	-1021.40	71.18	-13.46	0.03	72.44	119.20
4000.00	1.01	271.55	347.96	-921.41	71.22	-15.19	0.06	72.82	120.72
4100.00	1.06	269.95	346.58	-821.43	71.26	-17.00	0.06	73.26	130.58
4200.00	1.09	272.71	345.09	-721.45	71.32	-19.00	0.05	73.81	131.93
4300.00	1.23	274.73	343.53	-621.47	71.37	-21.10	0.10	74.42	133.28
4400.00	1.21	267.17	341.90	-521.49	71.34	-23.32	0.15	75.06	134.68
4500.00	1.11	275.75	340.60	-421.51	71.37	-25.14	0.18	75.67	136.12
4600.00	0.81	248.84	339.39	-321.53	71.24	-26.79	0.55	76.11	137.59
4700.00	0.91	223.22	338.28	-221.54	70.37	-28.03	0.39	75.74	139.12
4800.00	0.74	225.50	337.18	-121.55	69.35	-29.18	0.19	75.24	140.71
4900.00	0.78	231.73	336.18	-21.56	68.52	-30.24	0.03	74.90	150.42
5000.00	0.79	231.14	335.21	78.43	67.77	-31.30	0.03	74.64	151.73
5100.00	0.75	238.69	334.27	178.43	67.13	-32.34	0.10	74.51	153.18
5200.00	0.69	264.94	333.38	278.42	66.85	-33.50	0.33	74.78	154.60
5300.00	0.65	262.83	332.57	378.41	66.78	-34.66	0.03	75.24	156.12
5400.00	0.66	265.47	331.80	478.40	66.73	-35.78	0.04	75.72	157.66
5500.00	0.39	228.07	330.99	578.40	66.30	-36.77	0.41	75.81	159.31
5600.00	0.19	106.29	330.88	678.40	66.14	-36.85	0.60	75.71	169.79
5700.00	0.33	66.02	331.19	778.40	66.19	-36.40	0.19	75.54	171.24
5800.00	0.21	34.58	331.55	878.39	66.54	-36.05	0.17	75.67	172.73
5900.00	0.08	324.54	331.77	978.39	66.89	-35.91	0.26	75.92	174.23
6000.00	0.28	327.37	331.78	1078.39	67.27	-36.10	0.18	76.34	175.82
6100.00	0.13	280.55	331.63	1178.39	67.45	-36.43	0.22	76.65	177.48
6200.00	0.34	257.77	331.26	1278.39	67.48	-37.00	0.08	76.96	179.21
6300.00	0.56	245.97	330.70	1378.39	67.25	-37.74	0.28	77.11	181.09
6400.00	0.98	244.93	329.60	1478.38	66.39	-38.95	0.40	76.98	191.97
6500.00	1.47	231.76	328.11	1578.36	65.25	-40.60	0.50	76.86	193.39
6600.00	1.35	203.24	326.48	1678.33	63.40	-42.00	0.70	76.05	194.86
6700.00	1.28	183.09	325.27	1778.30	61.02	-42.30	0.41	74.25	196.39
6800.00	1.54	191.07	323.90	1878.27	58.53	-42.68	0.30	72.44	197.98
6900.00	2.38	199.88	321.46	1978.20	55.22	-43.99	0.82	70.60	199.60
7000.00	3.66	174.79	318.38	2078.06	50.03	-44.45	1.79	66.92	201.34
7050.00	4.66	171.23	316.44	2127.91	46.14	-43.88	1.96	63.67	202.40