

GyroTracer Directional:

Date: 12/19/2017
 Operator : Adrian Bruner
 API: 05-123-32829
 Well: Hood 41-20
 Field : Great Western
 Tool Type And Number: 1213
 Bottom Depth : 7100.00
 Latitude : 40.48
 Longitude : 104.79

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

Northing: 0.00 Easting: 0.00 Altitude: 4760.00

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: 12/19/2017 8:01

End Time: 12/19/2017 9:25

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	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.16	8.59	325.18	100.00	0.23	-0.16	0.16	0.28	78.25
200.00	0.33	298.25	325.64	200.00	0.56	-0.38	0.32	0.68	77.48
300.00	0.39	2.76	333.39	300.00	1.00	-0.50	0.37	1.12	77.01
400.00	0.94	303.66	324.50	399.99	1.74	-1.24	0.82	2.13	76.55
500.00	1.15	308.52	315.75	499.97	2.78	-2.71	0.24	3.88	76.19
600.00	1.10	305.97	310.64	599.96	3.70	-4.31	0.08	5.68	75.81
700.00	0.83	277.51	304.79	699.94	4.14	-5.95	0.50	7.25	75.46
800.00	0.99	264.91	297.82	799.93	3.96	-7.51	0.25	8.49	75.18
900.00	1.03	239.37	291.14	899.91	3.50	-9.04	0.44	9.69	75.01
1000.00	0.94	247.86	284.89	999.90	2.80	-10.54	0.18	10.90	74.93
1100.00	1.11	225.58	278.37	1099.88	1.77	-12.06	0.43	12.19	74.96
1200.00	1.27	247.16	273.23	1199.86	0.77	-13.67	0.51	13.69	76.25
1300.00	1.10	230.32	268.85	1299.84	-0.31	-15.35	0.45	15.36	76.52
1400.00	1.50	239.34	264.92	1399.82	-1.52	-17.10	0.44	17.17	76.88
1500.00	1.36	226.15	261.08	1499.79	-2.99	-19.02	0.35	19.25	77.34
1600.00	1.48	239.60	257.90	1599.76	-4.49	-20.95	0.35	21.42	77.86
1700.00	1.48	235.70	255.57	1699.72	-5.97	-23.19	0.11	23.95	78.51
1800.00	1.63	247.80	254.27	1799.68	-7.26	-25.79	0.34	26.80	79.24
1900.00	1.88	242.43	253.37	1899.63	-8.54	-28.59	0.43	29.83	80.05
2000.00	1.25	232.16	252.88	1999.59	-9.63	-31.28	0.65	32.73	85.76
2100.00	1.01	254.18	251.85	2099.57	-10.79	-32.90	0.49	34.62	86.50
2200.00	0.97	272.82	252.69	2199.55	-10.76	-34.51	0.33	36.15	87.37
2300.00	1.11	296.09	254.21	2299.54	-10.24	-36.22	0.44	37.64	88.34
2400.00	1.27	285.77	255.77	2399.52	-9.64	-38.01	0.30	39.21	89.37
2500.00	0.92	280.84	257.07	2499.50	-9.14	-39.79	0.39	40.83	90.49
2600.00	1.00	284.79	258.08	2599.49	-8.78	-41.56	0.06	42.47	91.67
2700.00	1.20	282.61	258.88	2699.47	-8.53	-43.42	0.21	44.25	92.87

2800.00	1.38	259.80	259.41	2799.45	-8.50	-45.46	0.54	46.25	94.10
2900.00	1.40	260.95	259.91	2899.42	-8.50	-47.80	0.05	48.55	103.30
3000.00	1.34	252.57	259.93	2999.39	-8.92	-50.22	0.21	51.00	104.36
3100.00	1.56	253.05	259.72	3099.35	-9.59	-52.87	0.27	53.73	105.48
3200.00	1.81	250.28	259.17	3199.30	-10.66	-55.74	0.25	56.75	106.69
3300.00	1.99	248.75	258.42	3299.25	-12.02	-58.70	0.21	59.92	107.94
3400.00	2.25	240.01	257.44	3399.19	-13.75	-61.73	0.36	63.24	109.30
3500.00	1.96	235.68	256.45	3499.13	-15.58	-64.64	0.35	66.49	110.70
3600.00	1.97	246.76	256.16	3599.07	-16.71	-67.79	0.38	69.81	112.23
3700.00	2.02	261.20	256.15	3699.00	-17.59	-71.34	0.45	73.48	123.40
3800.00	2.18	259.04	256.37	3798.92	-18.26	-75.30	0.17	77.48	124.61
3900.00	2.15	260.02	256.47	3898.84	-19.07	-79.27	0.06	81.54	125.75
4000.00	1.34	274.04	256.67	3998.78	-19.56	-82.58	0.97	84.86	126.96
4100.00	0.71	293.50	257.09	4098.77	-19.30	-84.17	0.69	86.35	128.20
4200.00	0.66	272.01	257.36	4198.76	-19.13	-85.34	0.26	87.46	129.65
4300.00	0.90	252.05	257.15	4298.75	-19.72	-86.41	0.19	88.63	131.16
4400.00	0.93	246.69	256.87	4398.74	-20.41	-87.53	0.07	89.88	132.84
4500.00	1.11	249.02	256.54	4498.73	-21.29	-88.93	0.14	91.44	143.51
4600.00	1.24	248.63	256.26	4598.70	-22.18	-90.76	0.17	93.43	144.75
4700.00	1.16	258.33	256.08	4698.69	-22.94	-92.57	0.22	95.37	145.96
4800.00	1.15	254.26	256.00	4798.67	-23.49	-94.18	0.10	97.06	147.19
4900.00	1.11	250.34	255.88	4898.66	-24.10	-95.78	0.07	98.76	148.45
5000.00	1.05	244.12	255.68	4998.64	-24.85	-97.32	0.12	100.45	149.74
5100.00	0.93	230.83	255.38	5098.63	-25.76	-98.70	0.23	102.01	151.10
5200.00	0.95	218.37	254.92	5198.61	-26.89	-99.77	0.21	103.33	152.55
5300.00	1.23	207.82	254.23	5298.60	-28.39	-100.53	0.33	104.46	163.33
5400.00	2.33	195.80	253.00	5398.56	-31.02	-101.45	1.25	106.09	164.57
5500.00	1.33	202.26	251.39	5498.49	-34.48	-102.37	0.97	108.02	165.89
5600.00	0.55	241.17	250.89	5598.48	-35.76	-103.22	0.97	109.24	167.27
5700.00	0.55	289.06	251.09	5698.48	-35.64	-104.06	0.45	110.00	168.81
5800.00	0.47	283.73	251.39	5798.47	-35.34	-104.93	0.08	110.73	170.38
5900.00	0.45	313.02	251.71	5898.47	-34.94	-105.72	0.24	111.35	172.13
6000.00	0.42	328.54	252.05	5998.46	-34.37	-106.09	0.13	111.52	173.89
6100.00	0.40	344.52	252.37	6098.46	-33.76	-106.19	0.12	111.43	175.78
6200.00	0.40	335.72	252.71	6198.46	-33.07	-106.26	0.07	111.29	188.10
6300.00	1.31	292.55	253.28	6298.45	-32.24	-107.36	1.03	112.10	189.52
6400.00	1.77	287.11	254.13	6398.41	-31.26	-109.93	0.50	114.29	190.97
6500.00	2.07	281.16	254.95	6498.36	-30.40	-113.02	0.43	117.04	192.51
6600.00	2.45	273.92	255.63	6598.28	-29.96	-116.94	0.46	120.72	194.14
6700.00	2.80	271.10	256.25	6698.18	-29.70	-121.42	0.33	125.00	195.97
6800.00	3.24	263.68	256.68	6798.05	-29.94	-126.42	0.69	129.92	197.79
6900.00	3.18	256.28	256.85	6897.89	-30.87	-132.11	0.42	135.67	199.68
7000.00	4.29	264.88	257.00	6997.68	-31.95	-138.39	1.25	142.03	213.18
7100.00	4.89	267.33	257.39	7097.38	-32.68	-146.03	0.65	149.64	215.59
7101.04	4.91	267.43	257.39	7098.42	-32.68	-146.12	0.68	149.73	215.75