

GyroTracer Directional:

Date: 10/2/2017
 Operator : David England
 API: 05-123-21002
 Well: Cervi 11-27
 Field : Noble
 Tool Type And Number: 1213
 Well Total Depth: 7620
 Bottom Depth : 6600.00
 Latitude : 40.29
 Longitude : 104.43
 Grid Offset : 0.69

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

Northing: 0.00 Easting: 0.00 Altitude: 4860.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in feet

Temperature measured in Fahrenheit degrees

Start Time: 10/2/2017 9:16

End Time: 10/2/2017 10:27

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.00	0.00	0.00	0.00	-4860.00	0.00	0.00	0.00	0.00
100.00	0.47	55.03	62.18	-4760.00	0.38	0.72	0.47	0.81
200.00	0.51	72.93	61.62	-4660.00	0.60	1.10	0.16	1.25
300.00	0.96	70.23	65.71	-4560.01	1.05	2.34	0.45	2.56
400.00	0.99	70.62	67.65	-4460.03	1.66	4.04	0.04	4.37
500.00	1.47	47.00	62.87	-4360.06	3.01	5.88	0.66	6.61
600.00	1.56	48.58	59.15	-4260.09	4.74	7.94	0.12	9.25
700.00	1.54	48.26	56.68	-4160.13	6.50	9.89	0.04	11.83
800.00	1.61	52.62	55.52	-4060.16	8.24	12.00	0.13	14.56
900.00	1.65	56.43	55.56	-3960.21	9.86	14.38	0.12	17.43
1000.00	1.77	57.53	55.58	-3860.25	11.57	16.89	0.16	20.47
1100.00	1.59	53.53	55.60	-3760.29	13.20	19.27	0.21	23.36
1200.00	1.59	56.32	55.36	-3660.34	14.95	21.64	0.14	26.30
1300.00	1.57	49.83	54.99	-3560.37	16.65	23.76	0.16	29.01
1400.00	1.43	45.94	54.56	-3460.41	18.31	25.73	0.17	31.58
1500.00	1.33	48.99	54.19	-3360.44	19.94	27.65	0.16	34.09
1600.00	1.19	50.91	53.72	-3260.47	21.50	29.29	0.17	36.34
1700.00	0.93	40.19	53.24	-3160.48	22.77	30.48	0.35	38.05
1800.00	0.74	33.05	52.68	-3060.49	23.77	31.18	0.21	39.21
1900.00	0.76	26.81	52.12	-2960.49	24.74	31.80	0.10	40.29
2000.00	0.92	15.50	51.12	-2860.51	26.16	32.44	0.19	41.68
2100.00	1.10	12.54	49.84	-2760.52	27.86	33.01	0.13	43.20
2200.00	1.06	12.75	48.24	-2660.54	29.83	33.41	0.03	44.79

2300.00	1.44	16.20	46.57	-2560.57	32.08	33.89	0.32	46.66
2400.00	1.67	28.52	45.28	-2460.61	34.52	34.86	0.42	49.06
2500.00	1.86	35.80	44.66	-2360.66	37.14	36.70	0.28	52.21
2600.00	1.79	35.23	44.16	-2260.71	39.74	38.60	0.20	55.40
2700.00	1.75	27.72	43.52	-2160.76	42.47	40.32	0.28	58.56
2800.00	1.47	25.67	42.92	-2060.80	44.81	41.67	0.24	61.19
2900.00	1.45	24.45	42.31	-1960.83	47.06	42.83	0.05	63.63
3000.00	1.17	24.56	41.76	-1860.86	49.05	43.80	0.30	65.76
3100.00	0.77	10.34	41.14	-1760.87	50.82	44.39	0.51	67.48
3200.00	0.61	356.13	40.53	-1660.88	52.05	44.50	0.26	68.48
3300.00	0.48	0.68	40.05	-1560.89	53.04	44.58	0.11	69.29
3400.00	0.55	359.99	39.65	-1460.89	54.02	44.77	0.04	70.16
3500.00	0.70	21.76	39.32	-1360.90	55.16	45.17	0.30	71.30
3600.00	0.63	22.49	39.07	-1260.91	56.17	45.60	0.04	72.35
3700.00	0.61	33.36	38.94	-1160.91	57.21	46.23	0.15	73.55
3800.00	0.74	24.86	38.86	-1060.92	58.37	47.02	0.20	74.95
3900.00	0.49	67.55	38.88	-960.93	59.30	47.82	0.57	76.18
4000.00	0.85	102.73	39.75	-860.94	59.31	49.32	0.42	77.14
4100.00	1.39	118.52	41.05	-760.96	58.62	51.05	0.65	77.73
4200.00	1.10	124.03	42.55	-660.98	57.70	52.98	0.27	78.33
4300.00	1.04	115.00	43.85	-561.00	56.97	54.73	0.19	79.00
4400.00	0.33	128.51	44.59	-461.01	56.44	55.64	0.66	79.25
4500.00	0.50	128.31	45.15	-361.01	56.03	56.33	0.11	79.45
4600.00	0.43	254.84	45.21	-261.01	55.78	56.19	0.79	79.18
4700.00	0.94	253.36	44.56	-161.02	55.71	54.85	0.51	78.18
4800.00	1.18	262.11	43.71	-61.05	55.26	52.82	0.19	76.44
4900.00	1.02	279.07	42.71	38.94	55.19	50.94	0.39	75.11
5000.00	0.95	303.34	41.39	138.92	55.92	49.28	0.41	74.53
5100.00	1.11	303.02	40.01	238.90	56.83	47.70	0.12	74.20
5200.00	1.48	330.39	38.42	338.88	58.44	46.35	0.71	74.59
5300.00	2.14	349.09	36.48	438.83	61.28	45.31	0.85	76.21
5400.00	1.97	357.29	34.66	538.76	64.93	44.89	0.35	78.94
5500.00	1.57	8.06	33.81	638.72	67.92	45.50	0.56	81.75
5600.00	1.43	7.26	32.77	738.68	70.71	45.51	0.31	84.09
5700.00	0.99	20.61	32.39	838.66	72.39	45.92	0.50	85.73
5800.00	0.36	61.40	32.24	938.66	73.21	46.18	0.61	86.56
5900.00	0.02	251.33	32.27	1038.66	73.15	46.20	0.33	86.52
6000.00	0.06	87.57	32.35	1138.66	73.03	46.26	0.10	86.45
6100.00	0.28	9.59	32.22	1238.66	73.24	46.16	0.25	86.57
6200.00	0.51	281.15	31.82	1338.65	73.46	45.59	0.47	86.45
6300.00	1.43	295.67	30.41	1438.63	74.34	43.64	0.94	86.20
6400.00	1.64	304.74	28.57	1538.59	75.82	41.29	0.30	86.34
6500.00	1.88	319.23	26.60	1638.54	78.05	39.09	0.52	87.30
6600.00	2.29	321.36	24.48	1738.48	80.85	36.81	0.44	88.83



Temp
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61.05
61.14
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