

GyroTracer Directional:

Date: 10/19/2017
 Operator : Ashton Williams
 API: 05-123-26005
 Well: Cervi USX CC 15-9
 Field : Noble Energy Inc.
 Tool Type And Number: 1213
 Well Total Depth: 7451
 Bottom Depth : 7300.00
 Latitude : 40.31
 Longitude : 104.42
 Grid Offset : 0.70

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

Northing: 0.00 Easting: 0.00 Altitude: 4672.00

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: 10/19/2017 12:04

End Time: 10/19/2017 13:35

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.00	0.00	0.00	0.00	-4672.00	0.00	0.00	0.00	0.00
100.00	0.62	252.73	244.86	-4572.01	-0.46	-0.98	0.62	1.08
200.00	0.50	251.12	249.14	-4472.02	-0.76	-1.99	0.13	2.13
300.00	0.33	222.42	247.53	-4372.02	-1.09	-2.63	0.25	2.84
400.00	0.42	219.33	242.49	-4272.02	-1.65	-3.17	0.06	3.58
500.00	0.47	224.65	238.89	-4172.02	-2.19	-3.63	0.15	4.24
600.00	0.76	205.74	233.20	-4072.03	-3.18	-4.25	0.36	5.31
700.00	0.68	201.60	227.15	-3972.04	-4.33	-4.67	0.08	6.36
800.00	0.73	207.50	223.71	-3872.05	-5.50	-5.26	0.07	7.61
900.00	0.81	196.87	219.94	-3772.06	-6.77	-5.66	0.08	8.82
1000.00	0.68	204.89	217.52	-3672.06	-7.95	-6.10	0.19	10.02
1100.00	0.94	199.10	215.49	-3572.07	-9.25	-6.59	0.21	11.36
1200.00	0.93	196.73	213.69	-3472.09	-10.73	-7.15	0.05	12.90
1300.00	0.89	200.93	212.40	-3372.10	-12.08	-7.67	0.07	14.31
1400.00	0.84	205.53	211.67	-3272.11	-13.41	-8.27	0.06	15.76
1500.00	0.83	212.03	211.33	-3172.12	-14.74	-8.97	0.10	17.25
1600.00	0.73	206.87	211.10	-3072.13	-15.96	-9.63	0.12	18.64
1700.00	0.37	206.75	210.37	-2972.13	-16.70	-9.79	0.25	19.36
1800.00	0.30	310.33	211.00	-2872.13	-16.75	-10.07	0.50	19.54
1900.00	0.75	315.53	214.03	-2772.14	-15.98	-10.79	0.46	19.28
2000.00	0.86	318.87	218.55	-2672.15	-14.79	-11.79	0.14	18.91
2100.00	1.17	326.06	223.95	-2572.17	-13.34	-12.86	0.35	18.53
2200.00	1.20	325.65	229.46	-2472.18	-11.95	-13.97	0.03	18.39

2300.00	0.84	302.83	232.93	-2372.19	-11.30	-14.96	0.53	18.75
2400.00	0.78	194.61	233.16	-2272.20	-11.74	-15.67	1.33	19.58
2500.00	0.99	171.40	230.46	-2172.21	-12.97	-15.70	0.43	20.36
2600.00	0.77	141.70	226.59	-2072.22	-14.17	-14.98	0.49	20.63
2700.00	0.69	127.98	222.02	-1972.23	-15.15	-13.65	0.14	20.40
2800.00	0.94	94.17	218.21	-1872.24	-15.51	-12.21	0.47	19.74
2900.00	0.88	62.34	214.92	-1772.26	-15.36	-10.72	0.51	18.73
3000.00	1.05	38.21	212.88	-1672.27	-14.38	-9.30	0.53	17.13
3100.00	1.29	344.72	215.89	-1572.29	-12.58	-9.10	1.06	15.53
3200.00	0.98	319.07	222.67	-1472.31	-10.90	-10.05	0.53	14.83
3300.00	0.91	285.79	228.28	-1372.32	-10.31	-11.56	0.18	15.49
3400.00	1.42	260.27	232.75	-1272.34	-10.34	-13.59	0.71	17.08
3500.00	1.39	204.86	233.03	-1172.37	-11.65	-15.47	1.29	19.37
3600.00	1.55	171.51	228.07	-1072.41	-14.19	-15.80	0.81	21.23
3700.00	1.60	141.67	221.14	-972.45	-16.69	-14.58	0.76	22.16
3800.00	1.73	105.39	213.48	-872.49	-18.15	-12.00	1.01	21.76
3900.00	1.48	62.62	207.83	-772.53	-17.70	-9.34	1.17	20.01
4000.00	1.39	31.12	205.95	-672.56	-16.02	-7.79	0.74	17.81
4100.00	1.17	353.10	208.76	-572.59	-13.63	-7.48	0.86	15.55
4200.00	1.17	325.12	215.12	-472.61	-11.69	-8.22	0.53	14.29
4300.00	1.27	297.34	224.45	-372.64	-10.22	-10.02	0.59	14.31
4400.00	1.04	282.33	230.59	-272.66	-9.77	-11.89	0.34	15.39
4500.00	1.23	257.69	235.32	-172.68	-9.70	-14.01	0.50	17.04
4600.00	1.67	270.26	239.49	-72.72	-9.84	-16.70	0.51	19.38
4700.00	2.00	284.66	244.63	27.23	-9.41	-19.84	0.57	21.96
4800.00	2.30	300.33	252.08	127.15	-7.59	-23.47	0.65	24.66
4900.00	2.52	309.79	259.34	227.06	-5.06	-26.89	0.44	27.37
5000.00	2.18	299.03	265.20	326.97	-2.53	-30.07	0.58	30.18
5100.00	1.69	270.16	266.82	426.92	-1.84	-33.17	1.07	33.22
5200.00	1.31	258.71	266.45	526.88	-2.23	-35.87	0.32	35.94
5300.00	1.31	265.31	266.09	626.86	-2.62	-38.23	0.15	38.32
5400.00	1.19	251.94	265.54	726.83	-3.16	-40.48	0.33	40.60
5500.00	1.04	257.75	265.08	826.81	-3.65	-42.34	0.15	42.49
5600.00	1.03	270.97	265.17	926.80	-3.72	-44.03	0.24	44.19
5700.00	0.79	260.32	265.16	1026.78	-3.86	-45.64	0.32	45.80
5800.00	0.92	275.03	265.46	1126.77	-3.74	-47.06	0.23	47.21
5900.00	0.73	265.75	265.46	1226.76	-3.86	-48.63	0.23	48.78
6000.00	1.13	281.62	265.82	1326.75	-3.65	-50.05	0.47	50.18
6100.00	0.82	271.20	265.94	1426.74	-3.67	-51.70	0.37	51.83
6200.00	1.06	281.64	266.31	1526.72	-3.43	-53.17	0.33	53.28
6300.00	0.75	269.05	266.45	1626.71	-3.40	-54.80	0.35	54.91
6400.00	0.96	266.27	266.63	1726.70	-3.32	-56.38	0.18	56.48
6500.00	1.34	309.90	267.73	1826.67	-2.31	-58.28	0.91	58.32
6600.00	1.74	328.70	269.87	1926.64	-0.14	-59.90	0.63	59.90
6700.00	1.85	320.88	272.37	2026.58	2.56	-61.80	0.16	61.85
6800.00	1.89	327.93	274.62	2126.53	5.13	-63.49	0.21	63.69
6900.00	1.49	321.64	276.40	2226.49	7.33	-65.39	0.46	65.80
7000.00	1.66	304.04	277.75	2326.45	9.17	-67.45	0.51	68.07
7100.00	1.24	303.28	278.50	2426.43	10.38	-69.45	0.37	70.23
7200.00	1.30	294.30	279.12	2526.40	11.47	-71.46	0.20	72.38

7300.00	1.31	294.20	279.58	2626.38	12.39	-73.37	0.03	74.41
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Temp
0.00
86.24
86.31
86.32
86.32
86.30
86.28
86.24
86.20
85.81
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96.53
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101.84
102.80
103.83
114.03
115.03
116.09
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146.65
157.46
158.72
160.02
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166.35
168.18
170.33
184.10
186.32
188.55
190.81
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195.60
209.03
211.28
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228.96
