

**Vaughn Energy Services
Henderson, CO
866-835-8333**

**Gyro Survey Calculations
Wells Ranch AA 26-05 / API 05-123-25380**

Depth	Inc	AzG	N/-S	E/-W	TVD	DL	VS	CD
0.00	0.00	0.00	0.00	0.00	0.00	****	0.00	0.00
100.00	0.55	332.73	0.43	-0.22	100.00	0.55	0.43	0.48
200.00	0.79	334.57	1.48	-0.74	199.99	0.24	1.48	1.65
300.00	0.89	333.91	2.80	-1.38	299.98	0.09	2.80	3.12
400.00	0.81	352.05	4.20	-1.81	399.97	0.28	4.20	4.57
500.00	0.77	357.69	5.58	-1.94	499.96	0.09	5.58	5.90
600.00	0.69	359.06	6.85	-1.98	599.95	0.08	6.85	7.13
700.00	0.79	347.60	8.13	-2.13	699.94	0.18	8.13	8.41
800.00	0.79	356.56	9.49	-2.32	799.93	0.12	9.49	9.77
900.00	0.88	346.51	10.93	-2.55	899.92	0.17	10.93	11.22
1000.00	0.97	344.49	12.50	-2.95	999.91	0.09	12.50	12.84
1100.00	0.98	337.25	14.10	-3.51	1099.90	0.12	14.10	14.53
1200.00	0.93	335.54	15.62	-4.17	1199.88	0.06	15.62	16.17
1300.00	0.94	341.39	17.13	-4.77	1299.87	0.10	17.13	17.79
1400.00	1.05	349.46	18.81	-5.20	1399.85	0.18	18.81	19.51
1500.00	1.06	349.46	20.61	-5.53	1499.84	0.01	20.61	21.34
1600.00	1.10	356.22	22.48	-5.77	1599.82	0.14	22.48	23.21
1700.00	1.04	3.89	24.35	-5.77	1699.80	0.16	24.35	25.03
1800.00	0.99	355.30	26.12	-5.78	1799.79	0.16	26.12	26.75
1900.00	0.82	353.20	27.70	-5.93	1899.77	0.17	27.70	28.33
2000.00	0.56	8.79	28.90	-5.94	1999.77	0.32	28.90	29.51
2100.00	0.23	70.68	29.45	-5.68	2099.76	0.50	29.45	29.99
2200.00	0.29	104.39	29.45	-5.25	2199.76	0.16	29.45	29.92
2300.00	0.32	119.68	29.25	-4.75	2299.76	0.09	29.25	29.63
2400.00	0.69	128.65	28.73	-4.04	2399.76	0.38	28.73	29.01
2500.00	1.09	125.60	27.80	-2.79	2499.75	0.40	27.80	27.94
2600.00	1.14	116.03	26.81	-1.12	2599.73	0.19	26.81	26.83
2700.00	1.13	114.58	25.96	0.67	2699.71	0.03	25.96	25.97
2800.00	0.92	112.11	25.25	2.31	2799.69	0.21	25.25	25.35
2900.00	1.09	104.04	24.71	3.98	2899.68	0.22	24.71	25.03
3000.00	0.84	85.29	24.54	5.62	2999.66	0.40	24.54	25.18
3100.00	0.79	70.67	24.83	7.00	3099.65	0.21	24.83	25.80
3200.00	0.96	81.35	25.19	8.48	3199.64	0.23	25.19	26.58
3300.00	1.00	68.38	25.63	10.11	3299.63	0.22	25.63	27.55
3400.00	0.93	48.79	26.49	11.53	3399.61	0.33	26.49	28.89
3500.00	0.74	45.49	27.48	12.61	3499.60	0.20	27.48	30.23
3600.00	0.69	20.36	28.50	13.28	3599.59	0.32	28.50	31.44
3700.00	0.60	21.24	29.56	13.68	3699.59	0.09	29.56	32.57

3800.00	0.43	14.63	30.40	13.96	3799.58	0.18	30.40	33.45
3900.00	0.54	16.14	31.22	14.19	3899.58	0.12	31.22	34.29
4000.00	0.69	8.73	32.26	14.41	3999.57	0.17	32.26	35.33
4100.00	1.27	0.42	33.97	14.51	4099.56	0.60	33.97	36.94
4200.00	1.76	11.61	36.58	14.82	4199.52	0.56	36.58	39.47
4300.00	2.89	359.42	40.60	15.11	4299.44	1.24	40.60	43.32
4400.00	3.22	351.19	45.91	14.65	4399.30	0.55	45.91	48.19
4500.00	3.23	357.85	51.50	14.11	4499.14	0.37	51.50	53.40
4600.00	3.28	347.13	57.10	13.37	4598.98	0.61	57.10	58.65
4700.00	3.91	334.37	62.97	11.26	4698.78	1.01	62.97	63.96
4800.00	3.80	330.67	68.92	8.16	4798.56	0.27	68.92	69.41
4900.00	3.60	295.88	73.18	3.71	4898.36	2.22	73.18	73.28
5000.00	3.06	294.90	75.68	-1.53	4998.19	0.55	75.68	75.69
5100.00	2.62	273.39	76.94	-6.23	5098.07	1.14	76.94	77.19
5200.00	2.45	268.13	77.00	-10.65	5197.97	0.28	77.00	77.73
5300.00	3.80	256.30	76.15	-16.00	5297.83	1.48	76.15	77.81
5400.00	2.40	242.73	74.40	-21.08	5397.68	1.57	74.40	77.33
5500.00	1.71	211.45	72.17	-23.72	5497.62	1.29	72.17	75.97
5600.00	2.06	196.30	69.17	-25.00	5597.56	0.61	69.17	73.55
5700.00	2.24	183.91	65.49	-25.64	5697.49	0.50	65.49	70.33
5800.00	2.42	182.87	61.43	-25.88	5797.41	0.19	61.43	66.66
5900.00	2.85	184.70	56.84	-26.19	5897.30	0.44	56.84	62.59
6000.00	2.91	180.90	51.83	-26.43	5997.18	0.20	51.83	58.18
6100.00	3.00	181.16	46.67	-26.53	6097.04	0.09	46.67	53.68
6200.00	2.45	180.36	41.91	-26.59	6196.93	0.55	41.91	49.64
6300.00	1.39	189.00	38.57	-26.80	6296.87	1.10	38.57	46.97
6400.00	0.94	190.28	36.57	-27.13	6396.85	0.45	36.57	45.53
6500.00	1.28	236.83	35.15	-28.21	6496.83	0.93	35.15	45.07
6600.00	1.19	241.33	34.04	-30.05	6596.81	0.13	34.04	45.41
6700.00	0.19	251.47	33.49	-31.12	6696.80	1.00	33.49	45.72
6800.00	0.38	251.22	33.33	-31.59	6796.80	0.19	33.33	45.93

Cbrg

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332.73
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333.84
336.63
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