



SUMMIT
OILFIELD SERVICES, INC

Company: Civitas
Lease/Well: ARISTOCRAT ANGUS
14-4C
State/County: Weld, CO
API#: 05-123-16571

Survey Type: Memory Survey
North Reference: True North
Rig Name: N/A
RKB: N/A

Date: 5-5-22
Job Number: 11675-512316571
Survey Engineer: T. Stoltz
Instrument Number: GP1-1021

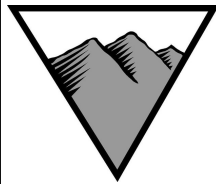
Summit Oilfield Services

ARISTOCRAT ANGUS 14-4C Gyro Survey

Minimum Curvature Method
Vertical Section Plane: 0.00
Vertical Section Reference: Wellhead
Rectangular Coordinates Reference: Wellhead

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Closure Distance	Closure Direction	Dogleg Severity
0.00 ft	0.00	0.00	0.00 ft	0.00 ft	0.00 ft	0.00 ft	0.00 ft	0.00 ft	0.00	0.00/100 ft
100.00 ft	0.19	70.26	100.00 ft	100.00 ft	0.06 ft	0.06 ft	0.16 ft	0.17 ft	70.26	0.19/100 ft
200.00 ft	0.30	143.22	100.00 ft	200.00 ft	-0.10 ft	-0.10 ft	0.47 ft	0.48 ft	101.63	0.31/100 ft
300.00 ft	0.10	329.10	100.00 ft	300.00 ft	-0.23 ft	-0.23 ft	0.59 ft	0.63 ft	111.57	0.40/100 ft
400.00 ft	0.32	140.01	100.00 ft	400.00 ft	-0.37 ft	-0.37 ft	0.72 ft	0.81 ft	117.15	0.42/100 ft
500.00 ft	0.31	220.38	100.00 ft	500.00 ft	-0.79 ft	-0.79 ft	0.72 ft	1.07 ft	137.68	0.41/100 ft
600.00 ft	0.19	94.68	100.00 ft	600.00 ft	-1.02 ft	-1.02 ft	0.71 ft	1.24 ft	145.04	0.45/100 ft
700.00 ft	0.52	145.14	100.00 ft	699.99 ft	-1.40 ft	-1.40 ft	1.14 ft	1.80 ft	141.00	0.42/100 ft
800.00 ft	0.41	174.65	100.00 ft	799.99 ft	-2.13 ft	-2.13 ft	1.43 ft	2.56 ft	146.16	0.26/100 ft
900.00 ft	0.25	176.15	100.00 ft	899.99 ft	-2.70 ft	-2.70 ft	1.48 ft	3.08 ft	151.35	0.16/100 ft
1000.00 ft	0.36	171.68	100.00 ft	999.99 ft	-3.23 ft	-3.23 ft	1.54 ft	3.58 ft	154.56	0.12/100 ft
1100.00 ft	0.56	132.96	100.00 ft	1099.99 ft	-3.88 ft	-3.88 ft	1.94 ft	4.33 ft	153.44	0.36/100 ft
1200.00 ft	0.19	104.67	100.00 ft	1199.98 ft	-4.25 ft	-4.25 ft	2.45 ft	4.91 ft	150.00	0.40/100 ft

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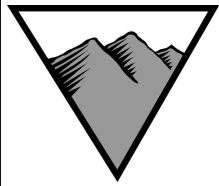
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Date: 5-5-22
Job Number: 11675-512316571
Survey Engineer: T. Stoltz
Instrument Number: GP1-1021

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Closure Distance	Closure Direction	Dogleg Severity
1300.00 ft	0.48	156.96	100.00 ft	1299.98 ft	-4.67 ft	-4.67 ft	2.78 ft	5.43 ft	149.29	0.39/100 ft
1400.00 ft	0.17	205.18	100.00 ft	1399.98 ft	-5.19 ft	-5.19 ft	2.88 ft	5.93 ft	150.98	0.39/100 ft
1500.00 ft	0.14	47.99	100.00 ft	1499.98 ft	-5.24 ft	-5.24 ft	2.90 ft	5.99 ft	151.00	0.30/100 ft
1600.00 ft	0.14	2.89	100.00 ft	1599.98 ft	-5.03 ft	-5.03 ft	3.00 ft	5.86 ft	149.23	0.11/100 ft
1700.00 ft	0.29	309.51	100.00 ft	1699.98 ft	-4.75 ft	-4.75 ft	2.81 ft	5.51 ft	149.42	0.24/100 ft
1800.00 ft	0.26	247.84	100.00 ft	1799.98 ft	-4.67 ft	-4.67 ft	2.40 ft	5.25 ft	152.81	0.29/100 ft
1900.00 ft	0.12	73.19	100.00 ft	1899.98 ft	-4.72 ft	-4.72 ft	2.29 ft	5.25 ft	154.16	0.38/100 ft
2000.00 ft	0.29	310.20	100.00 ft	1999.98 ft	-4.53 ft	-4.53 ft	2.19 ft	5.04 ft	154.16	0.37/100 ft
2100.00 ft	0.31	182.73	100.00 ft	2099.98 ft	-4.64 ft	-4.64 ft	1.99 ft	5.05 ft	156.80	0.54/100 ft
2200.00 ft	0.57	133.76	100.00 ft	2199.97 ft	-5.26 ft	-5.26 ft	2.34 ft	5.75 ft	156.03	0.44/100 ft
2300.00 ft	0.77	134.59	100.00 ft	2299.97 ft	-6.08 ft	-6.08 ft	3.18 ft	6.86 ft	152.39	0.20/100 ft
2400.00 ft	0.62	155.87	100.00 ft	2399.96 ft	-7.04 ft	-7.04 ft	3.88 ft	8.04 ft	151.15	0.30/100 ft
2500.00 ft	0.93	164.12	100.00 ft	2499.95 ft	-8.31 ft	-8.31 ft	4.32 ft	9.36 ft	152.53	0.33/100 ft
2600.00 ft	1.09	152.45	100.00 ft	2599.94 ft	-9.93 ft	-9.93 ft	4.98 ft	11.11 ft	153.36	0.26/100 ft
2700.00 ft	0.92	146.62	100.00 ft	2699.92 ft	-11.44 ft	-11.44 ft	5.86 ft	12.85 ft	152.87	0.20/100 ft
2800.00 ft	0.46	146.90	100.00 ft	2799.91 ft	-12.44 ft	-12.44 ft	6.52 ft	14.05 ft	152.35	0.46/100 ft
2900.00 ft	0.45	191.81	100.00 ft	2899.91 ft	-13.17 ft	-13.17 ft	6.66 ft	14.75 ft	153.17	0.35/100 ft
3000.00 ft	0.61	186.40	100.00 ft	2999.91 ft	-14.08 ft	-14.08 ft	6.52 ft	15.52 ft	155.15	0.17/100 ft
3100.00 ft	0.59	171.05	100.00 ft	3099.90 ft	-15.12 ft	-15.12 ft	6.54 ft	16.48 ft	156.61	0.16/100 ft
3200.00 ft	0.52	162.11	100.00 ft	3199.90 ft	-16.06 ft	-16.06 ft	6.76 ft	17.43 ft	157.18	0.12/100 ft
3300.00 ft	0.58	180.60	100.00 ft	3299.89 ft	-17.00 ft	-17.00 ft	6.89 ft	18.35 ft	157.93	0.19/100 ft

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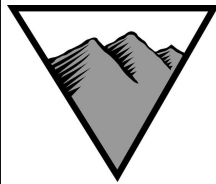
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Date: 5-5-22
Job Number: 11675-512316571
Survey Engineer: T. Stoltz
Instrument Number: GP1-1021

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Closure Distance	Closure Direction	Dogleg Severity
3400.00 ft	0.60	222.46	100.00 ft	3399.89 ft	-17.90 ft	-17.90 ft	6.53 ft	19.05 ft	159.94	0.42/100 ft
3500.00 ft	0.40	257.23	100.00 ft	3499.88 ft	-18.36 ft	-18.36 ft	5.85 ft	19.27 ft	162.34	0.35/100 ft
3600.00 ft	0.42	212.86	100.00 ft	3599.88 ft	-18.75 ft	-18.75 ft	5.31 ft	19.48 ft	164.19	0.31/100 ft
3700.00 ft	0.28	275.37	100.00 ft	3699.88 ft	-19.04 ft	-19.04 ft	4.87 ft	19.65 ft	165.66	0.39/100 ft
3800.00 ft	0.29	273.91	100.00 ft	3799.88 ft	-19.00 ft	-19.00 ft	4.38 ft	19.49 ft	167.03	0.02/100 ft
3900.00 ft	0.28	251.50	100.00 ft	3899.88 ft	-19.06 ft	-19.06 ft	3.89 ft	19.45 ft	168.47	0.11/100 ft
4000.00 ft	0.11	219.82	100.00 ft	3999.88 ft	-19.21 ft	-19.21 ft	3.59 ft	19.54 ft	169.41	0.20/100 ft
4100.00 ft	0.04	226.37	100.00 ft	4099.88 ft	-19.31 ft	-19.31 ft	3.51 ft	19.62 ft	169.71	0.07/100 ft
4200.00 ft	0.29	339.17	100.00 ft	4199.87 ft	-19.10 ft	-19.10 ft	3.39 ft	19.40 ft	169.92	0.30/100 ft
4300.00 ft	0.47	4.09	100.00 ft	4299.87 ft	-18.45 ft	-18.45 ft	3.33 ft	18.75 ft	169.76	0.24/100 ft
4400.00 ft	0.10	96.87	100.00 ft	4399.87 ft	-18.05 ft	-18.05 ft	3.45 ft	18.38 ft	169.17	0.49/100 ft
4500.00 ft	0.41	340.05	100.00 ft	4499.87 ft	-17.72 ft	-17.72 ft	3.42 ft	18.05 ft	169.08	0.47/100 ft
4600.00 ft	0.14	67.76	100.00 ft	4599.87 ft	-17.34 ft	-17.34 ft	3.41 ft	17.67 ft	168.89	0.43/100 ft
4700.00 ft	0.37	348.10	100.00 ft	4699.87 ft	-16.98 ft	-16.98 ft	3.45 ft	17.33 ft	168.51	0.37/100 ft
4800.00 ft	0.11	123.81	100.00 ft	4799.87 ft	-16.72 ft	-16.72 ft	3.47 ft	17.08 ft	168.29	0.46/100 ft
4900.00 ft	0.12	347.70	100.00 ft	4899.87 ft	-16.67 ft	-16.67 ft	3.53 ft	17.04 ft	168.06	0.22/100 ft
5000.00 ft	0.31	192.01	100.00 ft	4999.87 ft	-16.83 ft	-16.83 ft	3.45 ft	17.18 ft	168.43	0.42/100 ft
5100.00 ft	0.22	172.07	100.00 ft	5099.87 ft	-17.29 ft	-17.29 ft	3.42 ft	17.62 ft	168.82	0.13/100 ft
5200.00 ft	0.23	297.89	100.00 ft	5199.87 ft	-17.38 ft	-17.38 ft	3.27 ft	17.69 ft	169.36	0.40/100 ft
5300.00 ft	1.15	237.41	100.00 ft	5299.86 ft	-17.83 ft	-17.83 ft	2.24 ft	17.97 ft	172.83	1.06/100 ft
5400.00 ft	1.32	230.91	100.00 ft	5399.84 ft	-19.10 ft	-19.10 ft	0.50 ft	19.10 ft	178.49	0.22/100 ft

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Instrument Number: GP1-1021

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Closure Distance	Closure Direction	Dogleg Severity
5500.00 ft	1.19	248.71	100.00 ft	5499.81 ft	-20.20 ft	-20.20 ft	-1.35 ft	20.24 ft	183.83	0.41/100 ft
5600.00 ft	0.99	242.28	100.00 ft	5599.79 ft	-20.98 ft	-20.98 ft	-3.08 ft	21.20 ft	188.36	0.23/100 ft
5700.00 ft	0.96	239.59	100.00 ft	5699.78 ft	-21.80 ft	-21.80 ft	-4.57 ft	22.27 ft	191.83	0.06/100 ft
5800.00 ft	0.78	207.06	100.00 ft	5799.77 ft	-22.83 ft	-22.83 ft	-5.60 ft	23.50 ft	193.77	0.52/100 ft
5900.00 ft	0.26	341.57	100.00 ft	5899.77 ft	-23.21 ft	-23.21 ft	-5.98 ft	23.97 ft	194.44	0.98/100 ft
6000.00 ft	0.17	185.34	100.00 ft	5999.77 ft	-23.14 ft	-23.14 ft	-6.06 ft	23.92 ft	194.68	0.42/100 ft
6100.00 ft	0.74	213.51	100.00 ft	6099.76 ft	-23.82 ft	-23.82 ft	-6.43 ft	24.68 ft	195.11	0.60/100 ft
6200.00 ft	0.71	208.55	100.00 ft	6199.75 ft	-24.91 ft	-24.91 ft	-7.09 ft	25.89 ft	195.88	0.07/100 ft
6300.00 ft	0.74	206.58	100.00 ft	6299.75 ft	-26.02 ft	-26.02 ft	-7.67 ft	27.13 ft	196.42	0.04/100 ft
6400.00 ft	0.59	188.66	100.00 ft	6399.74 ft	-27.11 ft	-27.11 ft	-8.04 ft	28.27 ft	196.51	0.25/100 ft
6500.00 ft	0.43	242.31	100.00 ft	6499.74 ft	-27.79 ft	-27.79 ft	-8.45 ft	29.05 ft	196.91	0.48/100 ft
6600.00 ft	0.15	182.21	100.00 ft	6599.73 ft	-28.10 ft	-28.10 ft	-8.79 ft	29.44 ft	197.37	0.38/100 ft
6700.00 ft	0.39	133.35	100.00 ft	6699.73 ft	-28.46 ft	-28.46 ft	-8.55 ft	29.72 ft	196.71	0.32/100 ft
6800.00 ft	0.62	138.92	100.00 ft	6799.73 ft	-29.10 ft	-29.10 ft	-7.94 ft	30.17 ft	195.27	0.23/100 ft
6900.00 ft	0.67	147.98	100.00 ft	6899.72 ft	-30.01 ft	-30.01 ft	-7.28 ft	30.88 ft	193.64	0.11/100 ft
7000.00 ft	1.06	161.34	100.00 ft	6999.71 ft	-31.37 ft	-31.37 ft	-6.67 ft	32.08 ft	192.01	0.43/100 ft
7100.00 ft	1.26	189.61	100.00 ft	7099.69 ft	-33.33 ft	-33.33 ft	-6.56 ft	33.97 ft	191.14	0.60/100 ft

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