



SUMMIT
SLICKLINE INC.

Company: CIVITAS
Lease / Well: ARISTOCRAT ANGUS 11-8
County/Parish: WELD 123
State: COLORADO
Date: 6/24/2022
Rig: NA
Surveyor: NATHAN PROFFITT
Job Number: 12013-512317000
Instrument Number: **Type:** MEMORY
Proposed Direction: 0 **GL Elev:** 4936
Magnetic Declination 9.38 EAST TO TRUE NORTH
Calulation Method: MINIMUM OF CURVATURE
Log Measured From: GL

TIE-IN Coordinates

Measured Depth (ft.)	Inclination	Azimuth Bearing	Vertical Depth	Coordinates	
				(+N/-S)	(+E/-W)
0	0.00	0.00	0.00	0.00	0.00

Directional Survey Report

Measured Depth (ft.)	Inclination	Azimuth Bearing	Vertical Depth	Vertical Section	Coordinates (+N/-S)	Coordinates (+E/-W)	Dog-Leg / 100 ft.	Closure Distance	Closure Direction
100	0.86	266.59	100.00	-0.04	-0.04	-0.75	0.86	0.75	266.59°
200	1.15	253.95	199.98	-0.37	-0.37	-2.46	0.36	2.49	261.53°
300	0.48	296.58	299.97	-0.46	-0.46	-3.80	0.86	3.83	263.15°
400	0.05	355.83	399.97	-0.23	-0.23	-4.18	0.46	4.19	266.91°
500	0.66	245.85	499.97	-0.42	-0.42	-4.71	0.68	4.73	264.93°
600	0.46	294.04	599.96	-0.49	-0.49	-5.60	0.49	5.62	265.00°
700	0.31	226.50	699.96	-0.51	-0.51	-6.16	0.45	6.18	265.24°
800	0.81	242.22	799.96	-1.03	-1.03	-6.98	0.52	7.06	261.62°
900	0.30	235.88	899.95	-1.50	-1.50	-7.83	0.51	7.97	259.12°
1000	0.44	292.73	999.95	-1.50	-1.50	-8.40	0.37	8.53	259.85°
1100	0.50	294.53	1099.95	-1.17	-1.17	-9.15	0.06	9.22	262.69°
1200	0.29	307.13	1199.94	-0.84	-0.84	-9.75	0.23	9.78	265.08°
1300	0.14	317.97	1299.94	-0.60	-0.60	-10.03	0.15	10.05	266.60°
1400	0.11	306.51	1399.94	-0.45	-0.45	-10.19	0.04	10.20	267.48°
1500	0.02	292.31	1499.94	-0.38	-0.38	-10.28	0.09	10.29	267.86°
1600	0.20	325.94	1599.94	-0.23	-0.23	-10.40	0.18	10.40	268.71°
1700	0.55	292.66	1699.94	0.10	0.10	-10.94	0.40	10.94	270.50°
1800	0.56	247.24	1799.94	0.09	0.09	-11.83	0.43	11.83	270.45°
1900	0.13	341.46	1899.93	0.01	0.01	-12.32	0.58	12.32	270.05°
2000	0.74	284.82	1999.93	0.28	0.28	-12.98	0.68	12.98	271.25°
2100	0.91	242.72	2099.92	0.08	0.08	-14.31	0.61	14.31	270.34°
2200	0.68	276.52	2199.91	-0.21	-0.21	-15.60	0.51	15.61	269.22°
2300	0.79	220.30	2299.91	-0.67	-0.67	-16.64	0.70	16.65	267.69°
2400	0.67	263.64	2399.90	-1.26	-1.26	-17.67	0.55	17.71	265.92°
2500	0.82	225.59	2499.89	-1.83	-1.83	-18.76	0.51	18.85	264.44°
2600	1.00	219.54	2599.88	-3.00	-3.00	-19.83	0.20	20.05	261.39°
2700	1.15	205.23	2699.86	-4.58	-4.58	-20.81	0.31	21.31	257.58°
2800	1.29	217.00	2799.84	-6.39	-6.39	-21.91	0.29	22.83	253.75°
2900	1.01	219.41	2899.82	-7.97	-7.97	-23.15	0.28	24.48	251.01°
3000	0.98	179.14	2999.80	-9.50	-9.50	-23.70	0.69	25.53	248.15°
3100	1.32	185.49	3099.78	-11.51	-11.51	-23.79	0.36	26.43	244.20°
3200	0.86	174.78	3199.76	-13.40	-13.40	-23.84	0.50	27.34	240.66°
3300	0.92	139.77	3299.75	-14.76	-14.76	-23.25	0.54	27.54	237.59°
3400	1.77	137.49	3399.73	-16.51	-16.51	-21.69	0.85	27.26	232.72°
3500	1.46	145.06	3499.69	-18.69	-18.69	-19.91	0.38	27.31	226.81°
3600	0.62	98.41	3599.67	-19.82	-19.82	-18.65	1.13	27.21	223.26°
3700	0.32	155.16	3699.67	-20.15	-20.15	-18.00	0.52	27.02	221.77°
3800	0.69	328.91	3799.66	-19.89	-19.89	-18.19	1.01	26.95	222.45°
3900	0.71	341.67	3899.66	-18.78	-18.78	-18.70	0.16	26.50	224.87°
4000	1.35	357.14	3999.64	-17.02	-17.02	-18.95	0.69	25.47	228.07°
4100	0.55	334.53	4099.63	-15.41	-15.41	-19.22	0.87	24.63	231.27°
4200	0.89	245.73	4199.62	-15.30	-15.30	-20.13	1.04	25.28	232.77°
4300	1.16	216.21	4299.61	-16.43	-16.43	-21.44	0.58	27.01	232.53°
4400	1.00	191.97	4399.59	-18.10	-18.10	-22.21	0.48	28.66	230.83°
4500	0.74	137.27	4499.58	-19.43	-19.43	-21.96	0.83	29.32	228.50°
4600	1.24	108.67	4599.56	-20.25	-20.25	-20.49	0.69	28.81	225.34°
4700	1.76	107.41	4699.53	-21.06	-21.06	-18.00	0.52	27.70	220.53°
4800	2.05	86.53	4799.47	-21.41	-21.41	-14.75	0.75	26.00	214.57°

Directional Survey Report									
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4900	1.99	81.89	4899.41	-21.05	-21.05	-11.25	0.17	23.87	208.12°
5000	2.00	77.18	4999.35	-20.42	-20.42	-7.83	0.16	21.87	200.97°
5100	1.32	70.07	5099.31	-19.64	-19.64	-5.04	0.71	20.28	194.40°
5200	1.08	64.70	5199.29	-18.85	-18.85	-3.11	0.26	19.10	189.37°
5300	0.20	64.78	5299.28	-18.37	-18.37	-2.10	0.88	18.49	186.52°
5400	0.32	12.63	5399.28	-18.02	-18.02	-1.88	0.25	18.12	185.96°
5500	0.43	220.68	5499.28	-18.03	-18.03	-2.06	0.73	18.15	186.53°
5600	0.62	188.53	5599.27	-18.85	-18.85	-2.39	0.34	19.01	187.22°
5700	0.58	151.56	5699.27	-19.83	-19.83	-2.23	0.38	19.96	186.41°
5800	0.72	147.29	5799.26	-20.81	-20.81	-1.65	0.15	20.87	184.53°
5900	2.28	137.64	5899.23	-22.81	-22.81	0.03	1.57	22.81	179.92°
6000	2.61	125.44	5999.14	-25.60	-25.60	3.23	0.61	25.80	172.81°
6100	0.96	101.21	6099.08	-27.08	-27.08	5.90	1.78	27.72	167.70°
6200	0.41	45.76	6199.08	-26.99	-26.99	6.98	0.80	27.88	165.50°
6300	0.60	304.91	6299.08	-26.44	-26.44	6.81	0.79	27.31	165.56°
6400	0.65	284.96	6399.07	-26.00	-26.00	5.83	0.22	26.64	167.36°
6500	0.65	302.99	6499.06	-25.54	-25.54	4.81	0.20	25.99	169.34°
6600	0.79	316.76	6599.06	-24.73	-24.73	3.86	0.22	25.03	171.13°
6700	0.49	37.05	6699.05	-23.89	-23.89	3.65	0.86	24.16	171.32°
6800	0.36	17.31	6799.05	-23.25	-23.25	4.00	0.19	23.59	170.24°
6900	0.66	344.65	6899.04	-22.39	-22.39	3.94	0.41	22.74	170.03°
7000	0.77	352.27	6999.04	-21.17	-21.17	3.70	0.15	21.49	170.10°
7100	0.38	291.56	7099.03	-20.38	-20.38	3.30	0.67	20.65	170.81°
7200	0.33	330.40	7199.03	-20.01	-20.01	2.85	0.24	20.21	171.91°

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