



SUMMIT
SLICKLINE INC.

Company: CIVITAS
Lease / Well: CARLSON 22-1
County/Parish: WELD 123
State: COLORADO
Date: 4/17/2024
Rig: NA
Surveyor: NATHAN PROFFITT
Job Number: 15396-512315054
Instrument Number: 3087 **Type:** MEMORY
Proposed Direction: 0 **GL Elev:** 4732
Magnetic Declination 8.97 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		Dog-Leg / 100 ft.	Closure Distance	Closure Direction
					(+N/-S)	(+E/-W)			
100	0.33	98.12	100.00	-0.04	-0.04	0.29	0.33	0.29	98.12°
200	0.41	68.98	200.00	0.05	0.05	0.90	0.20	0.91	87.03°
300	0.35	141.88	300.00	-0.06	-0.06	1.43	0.45	1.43	92.61°
400	0.41	161.74	399.99	-0.65	-0.65	1.73	0.14	1.84	110.48°
500	0.41	171.21	499.99	-1.34	-1.34	1.89	0.07	2.32	125.25°
600	0.38	162.87	599.99	-2.01	-2.01	2.05	0.06	2.87	134.47°
700	0.29	126.25	699.99	-2.48	-2.48	2.35	0.23	3.41	136.51°
800	0.22	42.25	799.99	-2.48	-2.48	2.68	0.35	3.65	132.80°
900	0.13	304.41	899.99	-2.28	-2.28	2.72	0.27	3.54	129.96°
1000	0.25	182.74	999.99	-2.43	-2.43	2.61	0.34	3.57	132.93°
1100	0.16	58.23	1099.99	-2.57	-2.57	2.72	0.37	3.75	133.42°
1200	0.28	167.22	1199.98	-2.74	-2.74	2.89	0.36	3.99	133.43°
1300	0.02	174.72	1299.98	-3.00	-3.00	2.95	0.26	4.20	135.44°
1400	0.17	317.73	1399.98	-2.90	-2.90	2.85	0.19	4.07	135.51°
1500	0.21	20.84	1499.98	-2.62	-2.62	2.82	0.20	3.85	132.95°
1600	0.21	25.65	1599.98	-2.29	-2.29	2.96	0.02	3.74	127.66°
1700	0.42	22.30	1699.98	-1.78	-1.78	3.18	0.21	3.64	119.26°
1800	0.28	41.24	1799.98	-1.26	-1.26	3.48	0.18	3.70	109.88°
1900	0.46	16.01	1899.98	-0.69	-0.69	3.75	0.24	3.81	100.40°
2000	0.84	323.34	1999.97	0.29	0.29	3.42	0.67	3.44	85.24°
2100	0.93	344.38	2099.96	1.65	1.65	2.77	0.34	3.23	59.13°
2200	0.95	319.49	2199.95	3.07	3.07	2.01	0.41	3.67	33.26°
2300	0.98	349.56	2299.93	4.54	4.54	1.32	0.50	4.73	16.20°
2400	0.93	315.07	2399.92	5.95	5.95	0.59	0.57	5.98	5.66°
2500	0.85	38.27	2499.91	7.11	7.11	0.48	1.18	7.13	3.83°
2600	1.21	327.83	2599.90	8.59	8.59	0.37	1.22	8.59	2.49°
2700	1.41	19.38	2699.88	10.64	10.64	0.22	1.15	10.64	1.18°
2800	0.85	347.22	2799.86	12.52	12.52	0.46	0.83	12.53	2.12°
2900	0.62	349.55	2899.85	13.78	13.78	0.20	0.23	13.78	0.84°
3000	0.89	346.03	2999.84	15.07	15.07	-0.08	0.27	15.07	359.68°
3100	1.03	348.19	3099.83	16.70	16.70	-0.46	0.14	16.71	358.44°
3200	0.97	8.12	3199.81	18.42	18.42	-0.52	0.35	18.42	358.38°
3300	1.00	3.04	3299.80	20.13	20.13	-0.35	0.09	20.13	358.99°
3400	0.52	347.19	3399.79	21.44	21.44	-0.41	0.52	21.44	358.91°
3500	0.29	48.72	3499.79	22.05	22.05	-0.32	0.46	22.05	359.17°
3600	0.40	111.08	3599.78	22.09	22.09	0.20	0.37	22.09	0.51°
3700	0.51	143.74	3699.78	21.61	21.61	0.79	0.28	21.62	2.08°
3800	0.31	148.16	3799.78	21.02	21.02	1.19	0.20	21.05	3.25°
3900	0.32	142.72	3899.78	20.57	20.57	1.50	0.03	20.62	4.18°
4000	0.48	114.61	3999.77	20.17	20.17	2.05	0.25	20.27	5.81°
4100	0.63	144.78	4099.77	19.55	19.55	2.75	0.32	19.74	8.01°
4200	0.51	165.59	4199.77	18.67	18.67	3.18	0.24	18.93	9.67°
4300	0.51	180.75	4299.76	17.79	17.79	3.28	0.13	18.09	10.46°
4400	0.35	204.94	4399.76	17.07	17.07	3.15	0.24	17.36	10.46°
4500	0.90	218.78	4499.75	16.18	16.18	2.53	0.57	16.38	8.88°
4600	1.13	221.00	4599.74	14.82	14.82	1.39	0.23	14.89	5.36°
4700	1.15	214.51	4699.72	13.25	13.25	0.17	0.13	13.25	0.76°
4800	1.19	225.48	4799.70	11.70	11.70	-1.13	0.23	11.75	354.46°

Directional Survey Report									
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4900	0.91	238.62	4899.68	10.55	10.55	-2.55	0.37	10.86	346.41°
5000	0.80	222.78	4999.67	9.63	9.63	-3.70	0.26	10.32	338.96°
5100	0.89	236.56	5099.66	8.69	8.69	-4.83	0.22	9.94	330.95°
5200	0.71	261.53	5199.65	8.17	8.17	-6.09	0.39	10.19	323.31°
5300	0.46	269.16	5299.64	8.07	8.07	-7.10	0.26	10.75	318.66°
5400	0.55	237.83	5399.64	7.81	7.81	-7.91	0.29	11.12	314.64°
5500	0.64	254.56	5499.63	7.41	7.41	-8.85	0.19	11.54	309.91°
5600	0.76	233.05	5599.63	6.86	6.86	-9.92	0.29	12.06	304.65°
5700	0.59	227.74	5699.62	6.11	6.11	-10.83	0.18	12.44	299.44°
5800	0.84	229.76	5799.61	5.29	5.29	-11.77	0.25	12.91	294.21°
5900	0.94	213.18	5899.60	4.13	4.13	-12.78	0.28	13.43	287.92°
6000	1.11	197.04	5999.58	2.52	2.52	-13.52	0.33	13.75	280.57°
6100	1.14	166.27	6099.57	0.63	0.63	-13.56	0.60	13.58	272.66°
6200	1.34	133.52	6199.54	-1.14	-1.14	-12.48	0.72	12.53	264.77°
6300	1.44	129.93	6299.51	-2.75	-2.75	-10.67	0.13	11.02	255.52°
6400	1.25	132.59	6399.49	-4.30	-4.30	-8.90	0.20	9.88	244.22°
6500	0.75	133.52	6499.47	-5.49	-5.49	-7.62	0.50	9.39	234.25°
6600	0.79	116.51	6599.46	-6.25	-6.25	-6.53	0.23	9.04	226.28°
6700	0.49	122.34	6699.46	-6.78	-6.78	-5.55	0.31	8.77	219.31°

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