



SUMMIT
SLICKLINE INC.

Company: CIVITAS
Lease / Well: WANDELL 22-7
County/Parish: WELD 123
State: COLORADO
Date: 4/1/2025
Rig: NA
Surveyor: NATHAN PROFFITT
Job Number: 17099-512320999
Instrument Number: 3087 **Type:** MEMORY
Proposed Direction: 0 **GL Elev:** 4867
Magnetic Declination 9.39 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	0.81	350.46	100.00	0.70	0.70	-0.12	0.81	0.71	350.46°
200	0.72	319.62	199.99	1.87	1.87	-0.64	0.42	1.98	341.10°
300	0.71	319.27	299.98	2.82	2.82	-1.45	0.01	3.17	332.75°
400	0.48	257.09	399.98	3.20	3.20	-2.27	0.65	3.92	324.68°
500	0.39	281.81	499.97	3.17	3.17	-3.01	0.21	4.37	316.54°
600	0.48	264.52	599.97	3.20	3.20	-3.76	0.16	4.94	310.45°
700	0.83	262.43	699.96	3.07	3.07	-4.89	0.35	5.77	302.09°
800	1.06	258.69	799.95	2.79	2.79	-6.52	0.24	7.09	293.18°
900	1.13	250.62	899.93	2.28	2.28	-8.35	0.17	8.66	285.28°
1000	1.13	246.56	999.91	1.56	1.56	-10.19	0.08	10.31	278.72°
1100	1.20	244.14	1099.89	0.71	0.71	-12.04	0.09	12.06	273.39°
1200	1.16	243.09	1199.87	-0.20	-0.20	-13.88	0.05	13.88	269.17°
1300	1.32	259.21	1299.85	-0.88	-0.88	-15.91	0.38	15.94	266.85°
1400	0.97	235.26	1399.83	-1.57	-1.57	-17.74	0.59	17.81	264.93°
1500	1.10	151.11	1499.82	-2.90	-2.90	-17.97	1.39	18.21	260.85°
1600	2.62	97.89	1599.77	-4.05	-4.05	-15.25	2.15	15.77	255.12°
1700	4.34	96.90	1699.58	-4.82	-4.82	-9.22	1.72	10.41	242.42°
1800	6.52	85.16	1799.13	-4.79	-4.79	0.19	2.44	4.80	177.73°
1900	8.18	84.94	1898.30	-3.69	-3.69	12.93	1.66	13.45	105.91°
2000	10.71	103.90	1996.96	-5.29	-5.29	29.05	3.98	29.53	100.33°
2100	12.76	101.31	2094.87	-9.69	-9.69	48.90	2.12	49.85	101.21°
2200	14.59	99.59	2192.03	-13.96	-13.96	72.15	1.87	73.49	100.95°
2300	16.57	97.80	2288.35	-17.99	-17.99	98.70	2.04	100.32	100.33°
2400	17.65	98.90	2383.92	-22.27	-22.27	127.80	1.13	129.73	99.88°
2500	19.47	98.72	2478.72	-27.14	-27.14	159.26	1.82	161.55	99.67°
2600	20.61	98.60	2572.66	-32.30	-32.30	193.13	1.14	195.82	99.49°
2700	20.76	98.50	2666.22	-37.55	-37.55	228.06	0.15	231.13	99.35°
2800	20.61	98.46	2759.77	-42.76	-42.76	263.00	0.15	266.45	99.24°
2900	20.43	98.29	2853.42	-47.87	-47.87	297.68	0.19	301.50	99.14°
3000	20.64	98.41	2947.07	-52.96	-52.96	332.39	0.21	336.58	99.05°
3100	20.86	98.54	3040.58	-58.18	-58.18	367.43	0.22	372.01	99.00°
3200	19.54	96.96	3134.43	-62.85	-62.85	401.64	1.43	406.53	98.89°
3300	19.56	97.15	3228.67	-66.96	-66.96	434.85	0.07	439.97	98.75°
3400	19.86	97.28	3322.81	-71.20	-71.20	468.31	0.30	473.69	98.64°
3500	20.00	97.23	3416.82	-75.51	-75.51	502.12	0.14	507.76	98.55°
3600	20.11	97.57	3510.75	-79.92	-79.92	536.13	0.16	542.05	98.48°
3700	19.90	97.40	3604.72	-84.38	-84.38	570.04	0.22	576.26	98.42°
3800	19.99	97.39	3698.72	-88.77	-88.77	603.87	0.09	610.36	98.36°
3900	20.46	97.24	3792.56	-93.17	-93.17	638.16	0.47	644.93	98.31°
4000	21.08	97.56	3886.06	-97.74	-97.74	673.33	0.63	680.38	98.26°
4100	22.57	98.18	3978.89	-102.84	-102.84	710.15	1.51	717.56	98.24°
4200	21.89	97.07	4071.45	-107.86	-107.86	747.65	0.80	755.39	98.21°
4300	20.45	97.55	4164.70	-112.45	-112.45	783.47	1.45	791.50	98.17°
4400	20.81	97.50	4258.29	-117.06	-117.06	818.40	0.36	826.73	98.14°
4500	21.34	97.64	4351.60	-121.80	-121.80	854.04	0.53	862.68	98.12°
4600	21.12	96.71	4444.81	-126.33	-126.33	889.97	0.40	898.89	98.08°
4700	20.08	95.57	4538.42	-130.10	-130.10	924.95	1.11	934.05	98.01°
4800	19.65	95.59	4632.47	-133.40	-133.40	958.77	0.43	968.00	97.92°

Directional Survey Report									
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4900	20.45	95.66	4726.41	-136.76	-136.76	992.89	0.80	1002.26	97.84°
5000	20.41	95.63	4820.12	-140.20	-140.20	1027.62	0.04	1037.14	97.77°
5100	18.48	97.93	4914.41	-144.09	-144.09	1060.68	2.08	1070.42	97.74°
5200	16.25	99.12	5009.85	-148.50	-148.50	1090.19	2.26	1100.26	97.76°
5300	13.53	96.96	5106.48	-152.13	-152.13	1115.62	2.78	1125.95	97.77°
5400	11.27	96.69	5204.14	-154.69	-154.69	1136.94	2.26	1147.42	97.75°
5500	9.02	99.66	5302.57	-157.14	-157.14	1154.38	2.31	1165.03	97.75°
5600	6.74	96.65	5401.62	-159.14	-159.14	1167.94	2.32	1178.73	97.76°
5700	5.11	97.86	5501.09	-160.43	-160.43	1178.18	1.63	1189.05	97.75°
5800	3.87	98.94	5600.78	-161.56	-161.56	1185.92	1.24	1196.88	97.76°
5900	2.95	96.50	5700.60	-162.38	-162.38	1191.81	0.93	1202.82	97.76°
6000	2.03	96.18	5800.50	-162.86	-162.86	1196.13	0.92	1207.17	97.75°
6100	1.02	68.27	5900.47	-162.72	-162.72	1198.72	1.23	1209.71	97.73°
6200	0.89	59.41	6000.45	-162.00	-162.00	1200.21	0.20	1211.10	97.69°
6300	0.54	58.36	6100.45	-161.35	-161.35	1201.28	0.35	1212.07	97.65°
6400	0.53	68.28	6200.44	-160.94	-160.94	1202.11	0.09	1212.84	97.63°
6500	0.43	58.98	6300.44	-160.57	-160.57	1202.87	0.13	1213.54	97.60°
6600	0.38	49.56	6400.44	-160.16	-160.16	1203.44	0.08	1214.05	97.58°
6700	0.36	49.46	6500.43	-159.74	-159.74	1203.93	0.02	1214.48	97.56°
6800	0.26	346.14	6600.43	-159.32	-159.32	1204.12	0.34	1214.61	97.54°
6900	0.22	351.00	6700.43	-158.91	-158.91	1204.03	0.04	1214.47	97.52°
7000	0.30	359.91	6800.43	-158.46	-158.46	1204.00	0.09	1214.38	97.50°
7100	0.14	320.29	6900.43	-158.10	-158.10	1203.92	0.21	1214.26	97.48°
7200	0.17	41.29	7000.43	-157.90	-157.90	1203.94	0.20	1214.25	97.47°
7300	0.20	70.67	7100.43	-157.73	-157.73	1204.20	0.10	1214.49	97.46°
7400	0.30	42.96	7200.43	-157.48	-157.48	1204.55	0.15	1214.80	97.45°
7500	0.34	39.62	7300.43	-157.06	-157.06	1204.92	0.04	1215.11	97.43°
7600	0.77	62.25	7400.42	-156.52	-156.52	1205.70	0.47	1215.82	97.40°
7700	0.73	57.67	7500.41	-155.86	-155.86	1206.83	0.07	1216.86	97.36°
7800	0.67	20.96	7600.41	-154.98	-154.98	1207.58	0.44	1217.48	97.31°
7900	0.43	16.49	7700.40	-154.07	-154.07	1207.90	0.24	1217.68	97.27°

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