



SUMMIT
SLICKLINE INC.

Company: CIVITAS
Lease / Well: FARNIK WELD COUNRY 2X (OWP)
County/Parish: WELD
State: CO
Date: 8/15/2024
Rig: NA
Surveyor: MARK LOAR
Job Number: 16135-512310708
Instrument Number: GT1-3123 **Type:** MEMORY
Proposed Direction: 0 **GL Elev:** 4913
Magnetic Declination: 8.78 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) (+E/-W)		Dog-Leg / 100 ft.	Closure Distance	Closure Direction
100	0.30	177.35	100.00	-0.26	-0.26	0.01	0.30	0.26	177.35°
200	0.30	208.32	200.00	-0.75	-0.75	-0.10	0.16	0.76	187.56°
300	0.45	266.40	300.00	-1.01	-1.01	-0.62	0.39	1.18	211.42°
400	0.46	275.79	399.99	-0.99	-0.99	-1.41	0.08	1.72	234.80°
500	0.25	236.04	499.99	-1.07	-1.07	-1.99	0.31	2.26	241.61°
600	0.12	238.77	599.99	-1.25	-1.25	-2.26	0.13	2.58	241.03°
700	0.21	333.70	699.99	-1.14	-1.14	-2.43	0.25	2.68	244.85°
800	0.38	302.47	799.99	-0.80	-0.80	-2.79	0.23	2.90	254.04°
900	0.10	202.81	899.99	-0.70	-0.70	-3.10	0.41	3.18	257.28°
1000	0.20	350.12	999.99	-0.61	-0.61	-3.17	0.29	3.23	259.12°
1100	0.29	229.90	1099.99	-0.60	-0.60	-3.39	0.43	3.44	259.97°
1200	0.29	250.85	1199.99	-0.85	-0.85	-3.82	0.11	3.92	257.52°
1300	0.12	267.58	1299.99	-0.93	-0.93	-4.17	0.18	4.27	257.37°
1400	0.13	238.72	1399.99	-1.00	-1.00	-4.37	0.06	4.48	257.15°
1500	0.38	119.23	1499.99	-1.22	-1.22	-4.18	0.46	4.35	253.75°
1600	0.25	227.70	1599.98	-1.53	-1.53	-4.05	0.52	4.33	249.34°
1700	0.24	247.01	1699.98	-1.76	-1.76	-4.40	0.08	4.74	248.27°
1800	0.21	104.32	1799.98	-1.88	-1.88	-4.42	0.43	4.80	246.92°
1900	0.19	48.71	1899.98	-1.82	-1.82	-4.12	0.19	4.50	246.17°
2000	0.13	23.59	1999.98	-1.60	-1.60	-3.95	0.09	4.26	247.87°
2100	0.16	321.72	2099.98	-1.39	-1.39	-3.99	0.15	4.22	250.76°
2200	0.10	257.81	2199.98	-1.30	-1.30	-4.16	0.15	4.36	252.64°
2300	0.47	307.77	2299.98	-1.07	-1.07	-4.57	0.41	4.69	256.85°
2400	0.46	252.61	2399.98	-0.94	-0.94	-5.28	0.43	5.36	259.94°
2500	0.25	266.77	2499.98	-1.07	-1.07	-5.88	0.23	5.97	259.70°
2600	0.26	306.64	2599.97	-0.95	-0.95	-6.28	0.17	6.35	261.44°
2700	0.29	282.58	2699.97	-0.75	-0.75	-6.71	0.12	6.75	263.58°
2800	0.29	288.34	2799.97	-0.62	-0.62	-7.19	0.03	7.22	265.07°
2900	0.37	282.13	2899.97	-0.47	-0.47	-7.75	0.09	7.76	266.51°
3000	0.53	347.82	2999.97	0.05	0.05	-8.16	0.51	8.16	270.33°
3100	0.51	341.95	3099.96	0.92	0.92	-8.40	0.06	8.45	276.27°
3200	0.66	354.76	3199.96	1.92	1.92	-8.59	0.20	8.80	282.60°
3300	0.43	39.99	3299.95	2.78	2.78	-8.40	0.47	8.85	288.32°
3400	0.38	346.45	3399.95	3.39	3.39	-8.24	0.37	8.91	292.38°
3500	0.41	352.64	3499.95	4.07	4.07	-8.36	0.05	9.30	295.95°
3600	0.33	354.91	3599.95	4.71	4.71	-8.43	0.08	9.66	299.19°
3700	0.25	328.85	3699.95	5.18	5.18	-8.57	0.15	10.01	301.17°
3800	0.26	349.63	3799.95	5.59	5.59	-8.72	0.09	10.36	302.67°
3900	0.69	321.00	3899.94	6.28	6.28	-9.14	0.48	11.09	304.50°
4000	0.90	323.29	3999.93	7.38	7.38	-9.99	0.21	12.42	306.46°
4100	1.31	357.20	4099.91	9.15	9.15	-10.52	0.75	13.94	311.04°
4200	1.35	346.40	4199.89	11.44	11.44	-10.85	0.25	15.77	316.52°
4300	1.46	333.40	4299.86	13.72	13.72	-11.70	0.34	18.03	319.56°
4400	1.64	328.96	4399.82	16.09	16.09	-13.00	0.22	20.69	321.05°
4500	1.63	325.21	4499.78	18.48	18.48	-14.55	0.11	23.53	321.78°

Directional Survey Report									
Measured Depth (ft.)	Inclination	Azimuth Bearing	Vertical Depth	Vertical Section	Coordinates (+N/-S) (+E/-W)		Dog-Leg / 100 ft.	Closure Distance	Closure Direction
4600	1.67	328.61	4599.74	20.89	20.89	-16.12	0.11	26.39	322.34°
4700	1.75	327.62	4699.69	23.43	23.43	-17.70	0.09	29.36	322.93°
4800	1.53	346.22	4799.65	26.01	26.01	-18.84	0.57	32.12	324.09°
4900	1.25	357.73	4899.63	28.40	28.40	-19.20	0.39	34.28	325.94°
5000	0.91	22.35	4999.61	30.23	30.23	-18.94	0.57	35.67	327.93°
5100	0.66	22.89	5099.60	31.49	31.49	-18.41	0.25	36.48	329.68°
5200	0.72	52.26	5199.59	32.41	32.41	-17.69	0.35	36.92	331.37°
5300	0.88	84.22	5299.58	32.87	32.87	-16.43	0.47	36.75	333.44°
5400	0.92	97.07	5399.57	32.85	32.85	-14.87	0.21	36.06	335.64°
5500	0.65	91.74	5499.56	32.73	32.73	-13.51	0.28	35.41	337.57°
5600	1.67	118.93	5599.54	32.01	32.01	-11.66	1.13	34.07	339.98°
5700	1.23	143.13	5699.51	30.44	30.44	-9.75	0.74	31.97	342.25°
5800	1.52	151.29	5799.48	28.42	28.42	-8.46	0.35	29.66	343.42°
5900	0.63	146.88	5899.46	26.80	26.80	-7.53	0.89	27.84	344.31°
6000	0.33	165.45	5999.46	26.06	26.06	-7.15	0.33	27.02	344.65°
6100	0.23	175.67	6099.46	25.58	25.58	-7.07	0.11	26.54	344.56°
6200	0.77	116.29	6199.45	25.08	25.08	-6.45	0.68	25.90	345.58°
6300	0.66	132.34	6299.44	24.40	24.40	-5.42	0.23	24.99	347.47°

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