



Job Number: ST082502
 Company: NueVida Resources, LLC
 Lease/Well: Ardourel 33081718 #4 HU
 Location: 33N-08W-Sec18
 Rig Name: Aztec 1000
 RKB: 6744'
 G.L. or M.S.L.: 6719'

State/Country: Colorado / USA
 Declination: 8.65
 Grid: 1.39
 File name: C:\WINSERVE\ST082402.SVY
 Date/Time: 01-Sep-23 / 04:49
 Curve Name: ARD 4HU

Seidel Tech

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 84.94
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00
566.00	.88	347.88	565.98	4.25	-.91	-.53	.16
625.00	1.19	347.51	624.97	5.29	-1.14	-.67	.53
717.00	1.32	359.18	716.95	7.28	-1.36	-.71	.31
806.00	1.88	344.24	805.91	9.71	-1.77	-.91	.78
896.00	2.33	344.16	895.85	12.89	-2.67	-1.53	.50
986.00	2.56	342.07	985.77	16.57	-3.79	-2.32	.27
1076.00	2.98	339.61	1075.66	20.67	-5.23	-3.38	.48
1166.00	3.26	340.50	1165.53	25.28	-6.89	-4.64	.32
1256.00	4.09	340.04	1255.34	30.71	-8.84	-6.10	.92
1350.00	5.79	337.82	1348.99	38.25	-11.78	-8.36	1.82
1445.00	8.52	334.06	1443.24	49.02	-16.67	-12.28	2.91
1547.00	10.46	333.26	1543.84	64.08	-24.14	-18.39	1.91
1633.00	11.08	333.31	1628.33	78.44	-31.36	-24.32	.72
1791.00	12.47	332.87	1783.00	107.18	-45.96	-36.33	.88
1822.00	11.99	332.30	1813.29	113.01	-48.99	-38.83	1.60
1916.00	10.62	327.80	1905.47	128.99	-58.14	-46.54	1.73
2011.00	9.87	332.06	1998.96	143.59	-66.62	-53.70	1.12
2105.00	9.82	335.09	2091.57	157.98	-73.77	-59.55	.55
2200.00	10.44	333.53	2185.09	173.03	-81.02	-65.44	.71
2294.00	9.96	336.66	2277.61	188.12	-88.04	-71.10	.78
2388.00	9.32	339.75	2370.28	202.72	-93.89	-75.65	.88
2482.00	8.87	337.91	2463.10	216.58	-99.25	-79.76	.57
2576.00	9.46	337.09	2555.90	230.41	-104.99	-84.25	.64
2670.00	9.96	336.63	2648.55	244.99	-111.22	-89.18	.54

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
2765.00	10.12	337.57	2742.10	260.24	-117.66	-94.25	.24
2859.00	10.20	337.38	2834.62	275.56	-124.01	-99.23	.09
2953.00	9.83	337.20	2927.19	290.64	-130.32	-104.18	.40
3047.00	9.58	335.27	3019.84	305.14	-136.70	-109.26	.44
3141.00	9.92	335.64	3112.49	319.62	-143.32	-114.57	.37
3236.00	10.85	334.95	3205.93	335.18	-150.48	-120.33	.99
3331.00	9.43	333.13	3299.44	350.22	-157.78	-126.28	1.53
3425.00	9.20	332.76	3392.20	363.77	-164.70	-131.98	.25
3519.00	8.48	333.49	3485.09	376.65	-171.23	-137.35	.78
3614.00	8.21	336.97	3579.08	389.17	-177.02	-142.00	.60
3708.00	8.52	343.22	3672.08	402.01	-181.65	-145.49	1.02
3803.00	8.48	344.46	3766.04	415.50	-185.56	-148.19	.20
3897.00	9.08	344.20	3858.94	429.31	-189.44	-150.83	.64
3992.00	9.56	341.99	3952.68	444.03	-193.92	-154.00	.63
4086.00	8.69	343.52	4045.49	458.26	-198.34	-157.15	.96
4180.00	8.89	341.22	4138.39	471.94	-202.70	-160.28	.43
4275.00	9.68	339.52	4232.14	486.38	-207.85	-164.15	.88
4370.00	9.15	340.03	4325.86	500.96	-213.23	-168.21	.56
4464.00	10.51	336.29	4418.48	515.83	-219.23	-172.88	1.60
4558.00	9.68	332.00	4511.03	530.66	-226.39	-178.70	1.19
4652.00	9.50	332.84	4603.71	544.54	-233.64	-184.70	.24
4746.00	10.17	336.59	4696.33	559.06	-240.48	-190.23	.99
4840.00	8.81	336.59	4789.04	573.28	-246.63	-195.11	1.45
4934.00	8.71	338.02	4881.95	586.49	-252.16	-199.45	.25
5028.00	9.13	337.84	4974.81	599.99	-257.63	-203.71	.45
5122.00	9.42	336.13	5067.58	613.93	-263.56	-208.38	.43
5217.00	9.70	334.82	5161.26	628.29	-270.11	-213.64	.37
5311.00	9.69	334.12	5253.92	642.57	-276.93	-219.18	.13
5404.00	9.53	334.17	5345.62	656.54	-283.70	-224.69	.17
5498.00	10.63	334.50	5438.16	671.37	-290.83	-230.48	1.17