

SUMMIT
OILFIELD SERVICES, INC

Company: Civitas
Lease/Well: Kuner 41-25
County/State: Weld/Co
API #: 512330812

Survey Type: Memory Survey
North Reference: True North
Rig Name: N/A
RKB: N/A

Date: 4-1-22
Job Number: 11458-512330812
Survey Engineer: Nathan Proffitt
Instrument Number: GP1-1021

Summit Oilfield Services

Kuner 41-25 Gyro Survey

Minimum Curvature Method

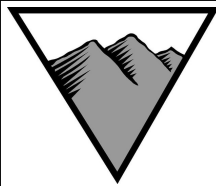
Vertical Section Plane: 0.00

Vertical Section Reference: Wellhead

Rectangular Coordinates Reference: Wellhead

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	N[+]/S[-]	E[+]/W[-]	Vertical Section	Dogleg Severity	Closure Distance	Closure Direction
0.00 ft	0.00	0.00	0.00 ft	0.00 ft	0.00 ft	0.00 ft	0.00 ft	0.00/100 ft	0.00 ft	0.00
100.00 ft	0.48	84.55	100.00 ft	100.00 ft	0.04 ft	0.42 ft	0.04 ft	0.48/100 ft	0.42 ft	84.55
200.00 ft	2.17	356.19	100.00 ft	199.97 ft	1.97 ft	0.71 ft	1.97 ft	2.21/100 ft	2.09 ft	19.82
300.00 ft	4.47	354.86	100.00 ft	299.80 ft	7.73 ft	0.23 ft	7.73 ft	2.30/100 ft	7.74 ft	1.73
400.00 ft	5.96	352.95	100.00 ft	399.38 ft	16.76 ft	-0.75 ft	16.76 ft	1.50/100 ft	16.78 ft	357.43
500.00 ft	6.72	354.59	100.00 ft	498.77 ft	27.74 ft	-1.94 ft	27.74 ft	0.78/100 ft	27.81 ft	356.00
600.00 ft	6.82	352.47	100.00 ft	598.07 ft	39.45 ft	-3.27 ft	39.45 ft	0.27/100 ft	39.59 ft	355.26
700.00 ft	7.07	348.71	100.00 ft	697.34 ft	51.37 ft	-5.25 ft	51.37 ft	0.52/100 ft	51.64 ft	354.16
800.00 ft	7.79	348.38	100.00 ft	796.50 ft	64.04 ft	-7.82 ft	64.04 ft	0.72/100 ft	64.52 ft	353.04
900.00 ft	8.52	342.05	100.00 ft	895.49 ft	77.73 ft	-11.47 ft	77.73 ft	1.16/100 ft	78.58 ft	351.61
1000.00 ft	10.13	331.92	100.00 ft	994.17 ft	92.54 ft	-17.90 ft	92.54 ft	2.29/100 ft	94.26 ft	349.06
1100.00 ft	11.31	326.29	100.00 ft	1092.43 ft	108.46 ft	-27.48 ft	108.46 ft	1.58/100 ft	111.89 ft	345.78
1200.00 ft	12.13	320.63	100.00 ft	1190.35 ft	124.74 ft	-39.59 ft	124.74 ft	1.41/100 ft	130.87 ft	342.39

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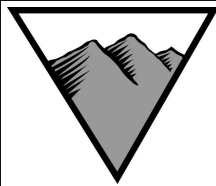
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Survey Engineer: Nathan Proffitt
Instrument Number: GP1-1021

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	N[+]/S[-]	E[+]/W[-]	Vertical Section	Dogleg Severity	Closure Distance	Closure Direction
1300.00 ft	12.58	320.22	100.00 ft	1288.03 ft	141.23 ft	-53.22 ft	141.23 ft	0.46/100 ft	150.92 ft	339.35
1400.00 ft	12.24	318.57	100.00 ft	1385.69 ft	157.54 ft	-67.20 ft	157.54 ft	0.49/100 ft	171.28 ft	336.90
1500.00 ft	11.55	319.35	100.00 ft	1483.55 ft	173.09 ft	-80.73 ft	173.09 ft	0.71/100 ft	190.99 ft	335.00
1600.00 ft	11.84	321.61	100.00 ft	1581.47 ft	188.72 ft	-93.62 ft	188.72 ft	0.54/100 ft	210.66 ft	333.62
1700.00 ft	12.19	324.00	100.00 ft	1679.28 ft	205.30 ft	-106.20 ft	205.30 ft	0.61/100 ft	231.14 ft	332.65
1800.00 ft	11.60	322.14	100.00 ft	1777.13 ft	221.79 ft	-118.58 ft	221.79 ft	0.70/100 ft	251.49 ft	331.87
1900.00 ft	11.68	325.41	100.00 ft	1875.08 ft	238.06 ft	-130.50 ft	238.06 ft	0.66/100 ft	271.48 ft	331.27
2000.00 ft	11.90	326.96	100.00 ft	1972.97 ft	255.03 ft	-141.86 ft	255.03 ft	0.38/100 ft	291.83 ft	330.91
2100.00 ft	11.91	323.39	100.00 ft	2070.82 ft	271.96 ft	-153.64 ft	271.96 ft	0.74/100 ft	312.36 ft	330.54
2200.00 ft	11.67	320.90	100.00 ft	2168.71 ft	288.09 ft	-166.17 ft	288.09 ft	0.56/100 ft	332.58 ft	330.02
2300.00 ft	11.83	320.89	100.00 ft	2266.61 ft	303.89 ft	-179.02 ft	303.89 ft	0.15/100 ft	352.70 ft	329.50
2400.00 ft	11.33	324.26	100.00 ft	2364.58 ft	319.82 ft	-191.22 ft	319.82 ft	0.84/100 ft	372.62 ft	329.12
2500.00 ft	11.36	328.01	100.00 ft	2462.63 ft	336.14 ft	-202.17 ft	336.14 ft	0.74/100 ft	392.26 ft	328.98
2600.00 ft	13.05	325.94	100.00 ft	2560.37 ft	353.85 ft	-213.71 ft	353.85 ft	1.75/100 ft	413.38 ft	328.87
2700.00 ft	13.17	327.88	100.00 ft	2657.76 ft	372.84 ft	-226.09 ft	372.84 ft	0.46/100 ft	436.04 ft	328.77
2800.00 ft	12.23	324.37	100.00 ft	2755.31 ft	391.10 ft	-238.32 ft	391.10 ft	1.21/100 ft	457.99 ft	328.64
2900.00 ft	11.61	322.13	100.00 ft	2853.16 ft	407.66 ft	-250.67 ft	407.66 ft	0.77/100 ft	478.56 ft	328.41
3000.00 ft	10.92	321.02	100.00 ft	2951.23 ft	422.97 ft	-262.81 ft	422.97 ft	0.73/100 ft	497.96 ft	328.15
3100.00 ft	10.14	321.80	100.00 ft	3049.54 ft	437.25 ft	-274.21 ft	437.25 ft	0.79/100 ft	516.12 ft	327.91
3200.00 ft	10.36	325.10	100.00 ft	3147.95 ft	451.54 ft	-284.80 ft	451.54 ft	0.63/100 ft	533.86 ft	327.76
3300.00 ft	10.66	323.24	100.00 ft	3246.27 ft	466.33 ft	-295.48 ft	466.33 ft	0.45/100 ft	552.06 ft	327.64

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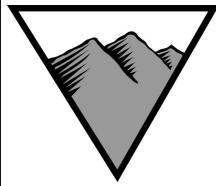
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Rig Name: N/A
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Job Number: 11458-512330812
Survey Engineer: Nathan Proffitt
Instrument Number: GP1-1021

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3400.00 ft	11.24	323.54	100.00 ft	3344.45 ft	481.58 ft	-306.81 ft	481.58 ft	0.58/100 ft	571.01 ft	327.50
3500.00 ft	12.24	324.66	100.00 ft	3442.36 ft	498.07 ft	-318.73 ft	498.07 ft	1.02/100 ft	591.32 ft	327.38
3600.00 ft	12.82	321.88	100.00 ft	3539.98 ft	515.44 ft	-331.71 ft	515.44 ft	0.83/100 ft	612.95 ft	327.24
3700.00 ft	13.03	322.16	100.00 ft	3637.44 ft	533.06 ft	-345.47 ft	533.06 ft	0.22/100 ft	635.22 ft	327.05
3800.00 ft	11.41	322.07	100.00 ft	3735.18 ft	549.77 ft	-358.47 ft	549.77 ft	1.62/100 ft	656.31 ft	326.89
3900.00 ft	9.54	323.29	100.00 ft	3833.51 ft	564.21 ft	-369.50 ft	564.21 ft	1.88/100 ft	674.44 ft	326.78
4000.00 ft	7.78	326.05	100.00 ft	3932.36 ft	576.47 ft	-378.24 ft	576.47 ft	1.81/100 ft	689.48 ft	326.73
4100.00 ft	4.59	320.84	100.00 ft	4031.77 ft	585.19 ft	-384.54 ft	585.19 ft	3.24/100 ft	700.23 ft	326.69
4200.00 ft	3.16	316.85	100.00 ft	4131.54 ft	590.30 ft	-388.95 ft	590.30 ft	1.45/100 ft	706.93 ft	326.62
4300.00 ft	1.56	303.86	100.00 ft	4231.45 ft	593.08 ft	-391.97 ft	593.08 ft	1.68/100 ft	710.90 ft	326.54
4400.00 ft	0.78	301.31	100.00 ft	4331.43 ft	594.19 ft	-393.69 ft	594.19 ft	0.79/100 ft	712.77 ft	326.47
4500.00 ft	0.65	304.36	100.00 ft	4431.42 ft	594.86 ft	-394.73 ft	594.86 ft	0.14/100 ft	713.91 ft	326.43
4600.00 ft	0.42	240.06	100.00 ft	4531.42 ft	594.99 ft	-395.52 ft	594.99 ft	0.60/100 ft	714.46 ft	326.39
4700.00 ft	0.92	227.20	100.00 ft	4631.41 ft	594.27 ft	-396.42 ft	594.27 ft	0.51/100 ft	714.36 ft	326.29
4800.00 ft	0.34	212.40	100.00 ft	4731.40 ft	593.48 ft	-397.17 ft	593.48 ft	0.59/100 ft	714.11 ft	326.21
4900.00 ft	0.18	184.60	100.00 ft	4831.40 ft	593.07 ft	-397.34 ft	593.07 ft	0.20/100 ft	713.87 ft	326.18
5000.00 ft	0.30	176.63	100.00 ft	4931.40 ft	592.65 ft	-397.34 ft	592.65 ft	0.12/100 ft	713.52 ft	326.16
5100.00 ft	0.38	196.43	100.00 ft	5031.40 ft	592.08 ft	-397.41 ft	592.08 ft	0.14/100 ft	713.09 ft	326.13
5200.00 ft	0.32	237.22	100.00 ft	5131.40 ft	591.61 ft	-397.74 ft	591.61 ft	0.25/100 ft	712.88 ft	326.09
5300.00 ft	0.39	258.56	100.00 ft	5231.40 ft	591.39 ft	-398.31 ft	591.39 ft	0.15/100 ft	713.02 ft	326.04
5400.00 ft	0.51	274.09	100.00 ft	5331.39 ft	591.35 ft	-399.09 ft	591.35 ft	0.17/100 ft	713.42 ft	325.99

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RKB: N/A

Date: 4-1-22
Job Number: 11458-512330812
Survey Engineer: Nathan Proffitt
Instrument Number: GP1-1021

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	N[+]/S[-]	E[+]/W[-]	Vertical Section	Dogleg Severity	Closure Distance	Closure Direction
5500.00 ft	0.74	256.37	100.00 ft	5431.39 ft	591.23 ft	-400.16 ft	591.23 ft	0.30/100 ft	713.92 ft	325.91
5600.00 ft	1.13	255.08	100.00 ft	5531.37 ft	590.83 ft	-401.74 ft	590.83 ft	0.39/100 ft	714.47 ft	325.79
5700.00 ft	1.17	273.53	100.00 ft	5631.35 ft	590.64 ft	-403.71 ft	590.64 ft	0.37/100 ft	715.42 ft	325.65
5800.00 ft	1.29	293.72	100.00 ft	5731.33 ft	591.15 ft	-405.76 ft	591.15 ft	0.45/100 ft	717.01 ft	325.54
5900.00 ft	1.92	289.27	100.00 ft	5831.29 ft	592.16 ft	-408.37 ft	592.16 ft	0.64/100 ft	719.32 ft	325.41
6000.00 ft	1.80	288.04	100.00 ft	5931.24 ft	593.20 ft	-411.44 ft	593.20 ft	0.13/100 ft	721.92 ft	325.25
6100.00 ft	1.76	306.96	100.00 ft	6031.19 ft	594.61 ft	-414.17 ft	594.61 ft	0.59/100 ft	724.63 ft	325.14
6200.00 ft	1.99	306.31	100.00 ft	6131.14 ft	596.56 ft	-416.79 ft	596.56 ft	0.23/100 ft	727.73 ft	325.06
6300.00 ft	2.35	303.88	100.00 ft	6231.07 ft	598.73 ft	-419.89 ft	598.73 ft	0.38/100 ft	731.29 ft	324.96
6400.00 ft	2.82	305.08	100.00 ft	6330.96 ft	601.29 ft	-423.60 ft	601.29 ft	0.47/100 ft	735.52 ft	324.84
6500.00 ft	2.82	305.19	100.00 ft	6430.84 ft	604.12 ft	-427.63 ft	604.12 ft	0.01/100 ft	740.15 ft	324.71
6600.00 ft	2.59	301.46	100.00 ft	6530.73 ft	606.71 ft	-431.56 ft	606.71 ft	0.29/100 ft	744.55 ft	324.58
6700.00 ft	2.23	277.10	100.00 ft	6630.64 ft	608.13 ft	-435.42 ft	608.13 ft	1.08/100 ft	747.94 ft	324.40
6800.00 ft	3.16	289.38	100.00 ft	6730.53 ft	609.29 ft	-439.96 ft	609.29 ft	1.08/100 ft	751.53 ft	324.17
6900.00 ft	2.74	297.08	100.00 ft	6830.40 ft	611.29 ft	-444.68 ft	611.29 ft	0.58/100 ft	755.92 ft	323.97
7000.00 ft	2.78	301.63	100.00 ft	6930.29 ft	613.65 ft	-448.87 ft	613.65 ft	0.22/100 ft	760.30 ft	323.82
7100.00 ft	2.16	308.79	100.00 ft	7030.19 ft	616.10 ft	-452.41 ft	616.10 ft	0.69/100 ft	764.36 ft	323.71

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