

SUMMIT
OILFIELD SERVICES, INC

Company: Civitas
Lease/Well: Taylor 15-1
County/State: Weld/Colorado
API#: 05-123-14861

Survey Type: Memory Survey
North Reference: True North
Rig Name: Hurricane Well Services 66
RKB: 7

Date: 4-19-2024
Job Number: 15450-512314861
Survey Engineer: Josh Hanson
Instrument Number: GP1-1051

Summit Oilfield Services

Taylor 15-1 CSG Survey

Minimum Curvature Method

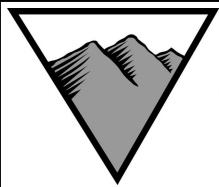
Vertical Section Plane: 0.00

Vertical Section Reference: Wellhead

Rectangular Coordinates Reference: Wellhead

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	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	0.47	197.04	100.00 ft	100.00 ft	-0.40 ft	-0.40 ft	-0.12 ft	0.47/100 ft	0.41 ft	197.04
200.00 ft	0.48	214.19	100.00 ft	200.00 ft	-1.13 ft	-1.13 ft	-0.48 ft	0.14/100 ft	1.23 ft	202.77
300.00 ft	0.15	230.45	100.00 ft	299.99 ft	-1.56 ft	-1.56 ft	-0.81 ft	0.34/100 ft	1.76 ft	207.45
400.00 ft	0.46	212.75	100.00 ft	399.99 ft	-1.98 ft	-1.98 ft	-1.13 ft	0.32/100 ft	2.28 ft	209.67
500.00 ft	0.67	215.93	100.00 ft	499.99 ft	-2.79 ft	-2.79 ft	-1.69 ft	0.21/100 ft	3.26 ft	211.16
600.00 ft	0.55	204.89	100.00 ft	599.98 ft	-3.70 ft	-3.70 ft	-2.23 ft	0.17/100 ft	4.32 ft	211.11
700.00 ft	0.41	202.42	100.00 ft	699.98 ft	-4.46 ft	-4.46 ft	-2.57 ft	0.14/100 ft	5.15 ft	209.94
800.00 ft	0.87	196.27	100.00 ft	799.97 ft	-5.52 ft	-5.52 ft	-2.92 ft	0.46/100 ft	6.24 ft	207.87
900.00 ft	0.34	205.01	100.00 ft	899.97 ft	-6.51 ft	-6.51 ft	-3.25 ft	0.53/100 ft	7.28 ft	206.55
1000.00 ft	0.16	207.93	100.00 ft	999.96 ft	-6.91 ft	-6.91 ft	-3.45 ft	0.18/100 ft	7.72 ft	206.52
1100.00 ft	0.32	157.66	100.00 ft	1099.96 ft	-7.30 ft	-7.30 ft	-3.41 ft	0.25/100 ft	8.06 ft	205.03
1200.00 ft	0.20	186.55	100.00 ft	1199.96 ft	-7.74 ft	-7.74 ft	-3.32 ft	0.17/100 ft	8.42 ft	203.24

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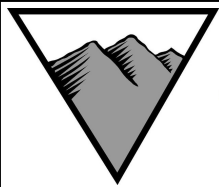
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Rig Name: Hurricane Well Services 66
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Date: 4-19-2024
Job Number: 15450-512314861
Survey Engineer: Josh Hanson
Instrument Number: GP1-1051

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Dogleg Severity	Closure Distance	Closure Direction
1300.00 ft	0.25	154.85	100.00 ft	1299.96 ft	-8.11 ft	-8.11 ft	-3.25 ft	0.13/100 ft	8.74 ft	201.82
1400.00 ft	0.19	178.90	100.00 ft	1399.96 ft	-8.48 ft	-8.48 ft	-3.15 ft	0.11/100 ft	9.04 ft	200.40
1500.00 ft	0.21	220.26	100.00 ft	1499.96 ft	-8.78 ft	-8.78 ft	-3.27 ft	0.14/100 ft	9.37 ft	200.40
1600.00 ft	0.38	236.35	100.00 ft	1599.96 ft	-9.11 ft	-9.11 ft	-3.66 ft	0.19/100 ft	9.81 ft	201.90
1700.00 ft	0.34	251.63	100.00 ft	1699.96 ft	-9.38 ft	-9.38 ft	-4.22 ft	0.10/100 ft	10.29 ft	204.21
1800.00 ft	0.38	256.58	100.00 ft	1799.96 ft	-9.55 ft	-9.55 ft	-4.82 ft	0.05/100 ft	10.70 ft	206.78
1900.00 ft	0.52	259.26	100.00 ft	1899.95 ft	-9.71 ft	-9.71 ft	-5.58 ft	0.14/100 ft	11.20 ft	209.89
2000.00 ft	0.63	246.91	100.00 ft	1999.95 ft	-10.01 ft	-10.01 ft	-6.53 ft	0.17/100 ft	11.95 ft	213.12
2100.00 ft	0.50	217.59	100.00 ft	2099.94 ft	-10.57 ft	-10.57 ft	-7.30 ft	0.31/100 ft	12.85 ft	214.63
2200.00 ft	0.67	231.68	100.00 ft	2199.94 ft	-11.28 ft	-11.28 ft	-8.03 ft	0.22/100 ft	13.85 ft	215.43
2300.00 ft	0.80	257.07	100.00 ft	2299.93 ft	-11.80 ft	-11.80 ft	-9.17 ft	0.35/100 ft	14.94 ft	217.84
2400.00 ft	0.66	253.33	100.00 ft	2399.92 ft	-12.12 ft	-12.12 ft	-10.40 ft	0.15/100 ft	15.97 ft	220.63
2500.00 ft	0.63	256.37	100.00 ft	2499.92 ft	-12.42 ft	-12.42 ft	-11.48 ft	0.05/100 ft	16.91 ft	222.77
2600.00 ft	0.61	255.19	100.00 ft	2599.91 ft	-12.68 ft	-12.68 ft	-12.53 ft	0.02/100 ft	17.83 ft	224.66
2700.00 ft	0.60	254.56	100.00 ft	2699.90 ft	-12.96 ft	-12.96 ft	-13.55 ft	0.01/100 ft	18.75 ft	226.28
2800.00 ft	0.42	252.93	100.00 ft	2799.90 ft	-13.20 ft	-13.20 ft	-14.41 ft	0.18/100 ft	19.54 ft	227.49
2900.00 ft	0.18	101.87	100.00 ft	2899.90 ft	-13.34 ft	-13.34 ft	-14.60 ft	0.59/100 ft	19.78 ft	227.57
3000.00 ft	0.15	101.26	100.00 ft	2999.90 ft	-13.40 ft	-13.40 ft	-14.31 ft	0.03/100 ft	19.61 ft	226.88
3100.00 ft	0.25	72.09	100.00 ft	3099.90 ft	-13.36 ft	-13.36 ft	-13.98 ft	0.14/100 ft	19.34 ft	226.28
3200.00 ft	0.26	64.54	100.00 ft	3199.90 ft	-13.20 ft	-13.20 ft	-13.57 ft	0.04/100 ft	18.93 ft	225.79
3300.00 ft	0.31	28.04	100.00 ft	3299.90 ft	-12.87 ft	-12.87 ft	-13.24 ft	0.18/100 ft	18.46 ft	225.81

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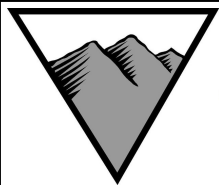
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North Reference: True North
Rig Name: Hurricane Well Services 66
RKB: 7

Date: 4-19-2024
Job Number: 15450-512314861
Survey Engineer: Josh Hanson
Instrument Number: GP1-1051

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Dogleg Severity	Closure Distance	Closure Direction
3400.00 ft	0.35	24.91	100.00 ft	3399.89 ft	-12.35 ft	-12.35 ft	-12.98 ft	0.05/100 ft	17.92 ft	226.42
3500.00 ft	0.42	22.18	100.00 ft	3499.89 ft	-11.74 ft	-11.74 ft	-12.72 ft	0.07/100 ft	17.30 ft	227.29
3600.00 ft	0.59	20.76	100.00 ft	3599.89 ft	-10.91 ft	-10.91 ft	-12.39 ft	0.18/100 ft	16.51 ft	228.63
3700.00 ft	0.58	25.27	100.00 ft	3699.88 ft	-9.97 ft	-9.97 ft	-11.99 ft	0.05/100 ft	15.59 ft	230.27
3800.00 ft	0.59	11.51	100.00 ft	3799.88 ft	-9.00 ft	-9.00 ft	-11.67 ft	0.14/100 ft	14.74 ft	232.36
3900.00 ft	0.37	83.32	100.00 ft	3899.87 ft	-8.46 ft	-8.46 ft	-11.25 ft	0.59/100 ft	14.07 ft	233.07
4000.00 ft	0.28	167.70	100.00 ft	3999.87 ft	-8.66 ft	-8.66 ft	-10.87 ft	0.44/100 ft	13.90 ft	231.47
4100.00 ft	0.24	261.91	100.00 ft	4099.87 ft	-8.93 ft	-8.93 ft	-11.03 ft	0.39/100 ft	14.19 ft	231.00
4200.00 ft	0.28	258.12	100.00 ft	4199.87 ft	-9.01 ft	-9.01 ft	-11.48 ft	0.04/100 ft	14.59 ft	231.86
4300.00 ft	0.33	251.18	100.00 ft	4299.87 ft	-9.16 ft	-9.16 ft	-11.99 ft	0.06/100 ft	15.09 ft	232.64
4400.00 ft	0.42	244.16	100.00 ft	4399.87 ft	-9.41 ft	-9.41 ft	-12.59 ft	0.10/100 ft	15.72 ft	233.24
4500.00 ft	0.34	202.24	100.00 ft	4499.87 ft	-9.84 ft	-9.84 ft	-13.03 ft	0.28/100 ft	16.33 ft	232.94
4600.00 ft	0.04	169.10	100.00 ft	4599.87 ft	-10.16 ft	-10.16 ft	-13.14 ft	0.31/100 ft	16.61 ft	232.30
4700.00 ft	0.13	259.72	100.00 ft	4699.87 ft	-10.22 ft	-10.22 ft	-13.25 ft	0.14/100 ft	16.73 ft	232.37
4800.00 ft	0.20	268.60	100.00 ft	4799.87 ft	-10.24 ft	-10.24 ft	-13.53 ft	0.07/100 ft	16.97 ft	232.89
4900.00 ft	0.11	248.17	100.00 ft	4899.86 ft	-10.28 ft	-10.28 ft	-13.79 ft	0.10/100 ft	17.20 ft	233.30
5000.00 ft	0.18	217.53	100.00 ft	4999.86 ft	-10.44 ft	-10.44 ft	-13.98 ft	0.10/100 ft	17.45 ft	233.24
5100.00 ft	0.29	250.91	100.00 ft	5099.86 ft	-10.65 ft	-10.65 ft	-14.31 ft	0.17/100 ft	17.84 ft	233.36
5200.00 ft	0.50	0.51	100.00 ft	5199.86 ft	-10.29 ft	-10.29 ft	-14.55 ft	0.65/100 ft	17.82 ft	234.71
5300.00 ft	0.38	72.33	100.00 ft	5299.86 ft	-9.76 ft	-9.76 ft	-14.23 ft	0.52/100 ft	17.26 ft	235.55
5400.00 ft	0.69	40.58	100.00 ft	5399.86 ft	-9.20 ft	-9.20 ft	-13.52 ft	0.42/100 ft	16.36 ft	235.76

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Rig Name: Hurricane Well Services 66
RKB: 7

Date: 4-19-2024
Job Number: 15450-512314861
Survey Engineer: Josh Hanson
Instrument Number: GP1-1051

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Dogleg Severity	Closure Distance	Closure Direction
5500.00 ft	0.16	118.63	100.00 ft	5499.85 ft	-8.81 ft	-8.81 ft	-13.01 ft	0.67/100 ft	15.72 ft	235.89
5600.00 ft	0.64	303.74	100.00 ft	5599.85 ft	-8.57 ft	-8.57 ft	-13.36 ft	0.80/100 ft	15.87 ft	237.33
5700.00 ft	0.75	305.39	100.00 ft	5699.84 ft	-7.87 ft	-7.87 ft	-14.36 ft	0.11/100 ft	16.38 ft	241.26
5800.00 ft	0.70	331.39	100.00 ft	5799.84 ft	-6.95 ft	-6.95 ft	-15.19 ft	0.33/100 ft	16.71 ft	245.40
5900.00 ft	1.27	70.06	100.00 ft	5899.83 ft	-6.04 ft	-6.04 ft	-14.44 ft	1.54/100 ft	15.66 ft	247.31
6000.00 ft	2.51	98.23	100.00 ft	5999.77 ft	-5.98 ft	-5.98 ft	-11.23 ft	1.52/100 ft	12.72 ft	241.99
6100.00 ft	4.08	110.51	100.00 ft	6099.60 ft	-7.53 ft	-7.53 ft	-5.74 ft	1.70/100 ft	9.47 ft	217.28
6200.00 ft	5.56	111.38	100.00 ft	6199.25 ft	-10.55 ft	-10.55 ft	2.10 ft	1.49/100 ft	10.75 ft	168.71
6300.00 ft	5.50	109.67	100.00 ft	6298.78 ft	-13.92 ft	-13.92 ft	11.13 ft	0.18/100 ft	17.82 ft	141.37
6400.00 ft	5.03	117.23	100.00 ft	6398.36 ft	-17.54 ft	-17.54 ft	19.54 ft	0.83/100 ft	26.26 ft	131.92
6500.00 ft	4.21	124.23	100.00 ft	6498.04 ft	-21.62 ft	-21.62 ft	26.48 ft	0.99/100 ft	34.18 ft	129.23
6600.00 ft	4.06	131.44	100.00 ft	6597.78 ft	-26.03 ft	-26.03 ft	32.17 ft	0.54/100 ft	41.38 ft	128.98

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