



**SUMMIT**  
OILFIELD SERVICES, INC

Company: KLX  
Lease/Well: Ralph Allen 2  
State/County: Weld  
API#: 05-123-05384

Survey Type: Memory Survey  
North Reference: True North  
Rig Name: NA  
RKB: NA

Date: 7/31/23  
Job Number: 13138-512305384  
Survey Engineer: Nathan Proffitt  
Instrument Number: GP1-1021

## Summit Oilfield Services

Ralph Allen 2 TBG Survey

*Minimum Curvature Method*

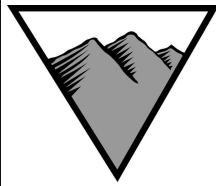
*Vertical Section Plane: 0.00*

*Vertical Section Reference: Wellhead*

*Rectangular Coordinates Reference: Wellhead*

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Closure Distance	Closure Direction	Dogleg Severity
0.00 ft	0.00	0.00	0.00 ft	0.00 ft	0.00 ft	0.00 ft	0.00 ft	0.00 ft	0.00	0.00/100 ft
100.00 ft	0.73	54.83	100.00 ft	100.00 ft	0.37 ft	0.37 ft	0.52 ft	0.64 ft	54.83	0.73/100 ft
200.00 ft	1.13	330.54	100.00 ft	199.99 ft	1.60 ft	1.60 ft	0.55 ft	1.69 ft	19.15	1.29/100 ft
300.00 ft	1.09	334.83	100.00 ft	299.97 ft	3.32 ft	3.32 ft	-0.34 ft	3.34 ft	354.18	0.09/100 ft
400.00 ft	0.61	343.48	100.00 ft	399.96 ft	4.69 ft	4.69 ft	-0.90 ft	4.78 ft	349.20	0.50/100 ft
500.00 ft	0.38	343.34	100.00 ft	499.95 ft	5.52 ft	5.52 ft	-1.14 ft	5.63 ft	348.32	0.23/100 ft
600.00 ft	0.43	324.13	100.00 ft	599.95 ft	6.14 ft	6.14 ft	-1.46 ft	6.31 ft	346.66	0.15/100 ft
700.00 ft	0.73	12.69	100.00 ft	699.95 ft	7.06 ft	7.06 ft	-1.54 ft	7.23 ft	347.71	0.55/100 ft
800.00 ft	1.35	6.16	100.00 ft	799.93 ft	8.85 ft	8.85 ft	-1.27 ft	8.94 ft	351.82	0.63/100 ft
900.00 ft	2.59	343.08	100.00 ft	899.87 ft	12.18 ft	12.18 ft	-1.80 ft	12.31 ft	351.58	1.44/100 ft
1000.00 ft	3.25	344.82	100.00 ft	999.74 ft	17.07 ft	17.07 ft	-3.20 ft	17.37 ft	349.38	0.67/100 ft
1100.00 ft	3.74	355.32	100.00 ft	1099.55 ft	23.06 ft	23.06 ft	-4.21 ft	23.44 ft	349.66	0.80/100 ft
1200.00 ft	4.07	2.99	100.00 ft	1199.32 ft	29.86 ft	29.86 ft	-4.29 ft	30.16 ft	351.82	0.62/100 ft

Icefield Tools Inc. makes no warranty of any kind with respect to the subject matter included herein or the completeness or accuracy of this document. Icefield Tools Inc. are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.



**SUMMIT**  
OILFIELD SERVICES, INC

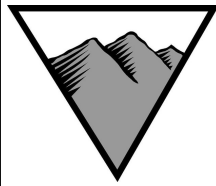
Company: KLX  
Lease/Well: Ralph Allen 2  
State/County: Weld  
API#: 05-123-05384

Survey Type: Memory Survey  
North Reference: True North  
Rig Name: NA  
RKB: NA

Date: 7/31/23  
Job Number: 13138-512305384  
Survey Engineer: Nathan Proffitt  
Instrument Number: GP1-1021

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Closure Distance	Closure Direction	Dogleg Severity
1300.00 ft	5.06	7.97	100.00 ft	1299.01 ft	37.76 ft	37.76 ft	-3.49 ft	37.93 ft	354.71	1.06/100 ft
1400.00 ft	6.35	14.00	100.00 ft	1398.51 ft	47.50 ft	47.50 ft	-1.54 ft	47.52 ft	358.14	1.43/100 ft
1500.00 ft	6.93	27.59	100.00 ft	1497.84 ft	58.22 ft	58.22 ft	2.59 ft	58.27 ft	2.55	1.67/100 ft
1600.00 ft	6.75	34.23	100.00 ft	1597.13 ft	68.43 ft	68.43 ft	8.69 ft	68.98 ft	7.24	0.81/100 ft
1700.00 ft	4.72	46.68	100.00 ft	1696.63 ft	76.11 ft	76.11 ft	14.99 ft	77.57 ft	11.14	2.37/100 ft
1800.00 ft	4.81	37.71	100.00 ft	1796.29 ft	82.25 ft	82.25 ft	20.55 ft	84.78 ft	14.03	0.75/100 ft
1900.00 ft	5.53	21.18	100.00 ft	1895.88 ft	90.06 ft	90.06 ft	24.86 ft	93.43 ft	15.43	1.64/100 ft
2000.00 ft	6.57	20.49	100.00 ft	1995.33 ft	99.91 ft	99.91 ft	28.60 ft	103.92 ft	15.97	1.05/100 ft
2100.00 ft	6.29	19.37	100.00 ft	2094.70 ft	110.44 ft	110.44 ft	32.42 ft	115.10 ft	16.36	0.31/100 ft
2200.00 ft	4.98	22.84	100.00 ft	2194.21 ft	119.61 ft	119.61 ft	35.92 ft	124.89 ft	16.72	1.35/100 ft
2300.00 ft	5.47	23.61	100.00 ft	2293.80 ft	127.98 ft	127.98 ft	39.52 ft	133.94 ft	17.16	0.49/100 ft
2400.00 ft	6.47	32.06	100.00 ft	2393.25 ft	137.12 ft	137.12 ft	44.42 ft	144.13 ft	17.95	1.33/100 ft
2500.00 ft	7.55	23.11	100.00 ft	2492.51 ft	147.93 ft	147.93 ft	49.98 ft	156.15 ft	18.67	1.53/100 ft
2600.00 ft	8.52	21.50	100.00 ft	2591.53 ft	160.86 ft	160.86 ft	55.27 ft	170.09 ft	18.96	1.00/100 ft
2700.00 ft	9.87	20.62	100.00 ft	2690.24 ft	175.77 ft	175.77 ft	61.01 ft	186.06 ft	19.14	1.36/100 ft
2800.00 ft	10.81	20.65	100.00 ft	2788.61 ft	192.57 ft	192.57 ft	67.33 ft	204.00 ft	19.27	0.94/100 ft
2900.00 ft	11.35	23.12	100.00 ft	2886.75 ft	210.39 ft	210.39 ft	74.50 ft	223.19 ft	19.50	0.72/100 ft
3000.00 ft	11.54	25.32	100.00 ft	2984.76 ft	228.48 ft	228.48 ft	82.64 ft	242.97 ft	19.88	0.48/100 ft
3100.00 ft	11.42	41.71	100.00 ft	3082.79 ft	244.91 ft	244.91 ft	93.51 ft	262.16 ft	20.90	3.25/100 ft
3200.00 ft	5.48	62.59	100.00 ft	3181.68 ft	254.51 ft	254.51 ft	104.35 ft	275.07 ft	22.29	6.59/100 ft
3300.00 ft	4.58	102.24	100.00 ft	3281.32 ft	255.87 ft	255.87 ft	112.49 ft	279.50 ft	23.73	3.51/100 ft

Icefield Tools Inc. makes no warranty of any kind with respect to the subject matter included herein or the completeness or accuracy of this document. Icefield Tools Inc. are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.



**SUMMIT**  
OILFIELD SERVICES, INC

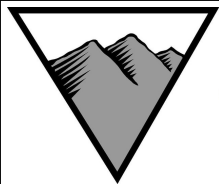
Company: KLX  
Lease/Well: Ralph Allen 2  
State/County: Weld  
API#: 05-123-05384

Survey Type: Memory Survey  
North Reference: True North  
Rig Name: NA  
RKB: NA

Date: 7/31/23  
Job Number: 13138-512305384  
Survey Engineer: Nathan Proffitt  
Instrument Number: GP1-1021

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Closure Distance	Closure Direction	Dogleg Severity
3400.00 ft	7.29	103.75	100.00 ft	3380.78 ft	253.51 ft	253.51 ft	122.56 ft	281.58 ft	25.80	2.71/100 ft
3500.00 ft	10.33	102.49	100.00 ft	3479.59 ft	250.06 ft	250.06 ft	137.48 ft	285.36 ft	28.80	3.04/100 ft
3600.00 ft	13.71	102.46	100.00 ft	3577.38 ft	245.57 ft	245.57 ft	157.81 ft	291.90 ft	32.73	3.38/100 ft
3700.00 ft	15.56	91.10	100.00 ft	3674.15 ft	242.75 ft	242.75 ft	182.79 ft	303.88 ft	36.98	3.40/100 ft
3800.00 ft	17.71	86.82	100.00 ft	3769.97 ft	243.34 ft	243.34 ft	211.39 ft	322.33 ft	40.98	2.48/100 ft
3900.00 ft	19.39	86.12	100.00 ft	3864.77 ft	245.30 ft	245.30 ft	243.14 ft	345.39 ft	44.75	1.70/100 ft
4000.00 ft	19.31	78.16	100.00 ft	3959.14 ft	249.82 ft	249.82 ft	275.89 ft	372.19 ft	47.84	2.64/100 ft
4100.00 ft	14.17	106.87	100.00 ft	4055.03 ft	249.66 ft	249.66 ft	303.86 ft	393.27 ft	50.59	9.59/100 ft
4200.00 ft	11.36	128.42	100.00 ft	4152.60 ft	239.98 ft	239.98 ft	323.30 ft	402.63 ft	53.41	5.48/100 ft
4300.00 ft	10.76	138.86	100.00 ft	4250.75 ft	226.83 ft	226.83 ft	337.16 ft	406.36 ft	56.07	2.09/100 ft
4400.00 ft	9.03	161.41	100.00 ft	4349.30 ft	212.36 ft	212.36 ft	345.81 ft	405.80 ft	58.45	4.21/100 ft
4500.00 ft	5.62	169.03	100.00 ft	4448.47 ft	200.10 ft	200.10 ft	349.24 ft	402.51 ft	60.19	3.54/100 ft
4600.00 ft	3.33	174.98	100.00 ft	4548.16 ft	192.40 ft	192.40 ft	350.43 ft	399.77 ft	61.23	2.33/100 ft
4700.00 ft	2.57	215.71	100.00 ft	4648.03 ft	187.69 ft	187.69 ft	349.37 ft	396.60 ft	61.75	2.17/100 ft
4800.00 ft	3.12	299.20	100.00 ft	4747.95 ft	187.20 ft	187.20 ft	345.69 ft	393.12 ft	61.56	3.81/100 ft
4900.00 ft	3.04	338.30	100.00 ft	4847.81 ft	190.99 ft	190.99 ft	342.33 ft	392.00 ft	60.84	2.06/100 ft
5000.00 ft	1.58	65.60	100.00 ft	4947.75 ft	194.03 ft	194.03 ft	342.60 ft	393.73 ft	60.48	3.36/100 ft
5100.00 ft	1.61	141.95	100.00 ft	5047.72 ft	193.50 ft	193.50 ft	344.73 ft	395.32 ft	60.69	1.97/100 ft
5200.00 ft	0.93	49.78	100.00 ft	5147.71 ft	192.92 ft	192.92 ft	346.21 ft	396.33 ft	60.87	1.88/100 ft
5300.00 ft	0.46	299.20	100.00 ft	5247.70 ft	193.64 ft	193.64 ft	346.47 ft	396.91 ft	60.80	1.17/100 ft
5400.00 ft	0.71	77.35	100.00 ft	5347.70 ft	193.97 ft	193.97 ft	346.73 ft	397.30 ft	60.78	1.10/100 ft

Icefield Tools Inc. makes no warranty of any kind with respect to the subject matter included herein or the completeness or accuracy of this document. Icefield Tools Inc. are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.



**SUMMIT**  
OILFIELD SERVICES, INC

Company: KLX  
Lease/Well: Ralph Allen 2  
State/County: Weld  
API#: 05-123-05384

Survey Type: Memory Survey  
North Reference: True North  
Rig Name: NA  
RKB: NA

Date: 7/31/23  
Job Number: 13138-512305384  
Survey Engineer: Nathan Proffitt  
Instrument Number: GP1-1021

Measured Depth	Inclin	Azimuth	Course Length	True Vertical Depth	Vertical Section	N[+]/S[-]	E[+]/W[-]	Closure Distance	Closure Direction	Dogleg Severity
5500.00 ft	0.29	245.96	100.00 ft	5447.70 ft	194.00 ft	194.00 ft	347.11 ft	397.64 ft	60.80	0.99/100 ft
5600.00 ft	1.17	60.75	100.00 ft	5547.69 ft	194.40 ft	194.40 ft	347.77 ft	398.41 ft	60.79	1.46/100 ft
5700.00 ft	0.45	215.54	100.00 ft	5647.69 ft	194.58 ft	194.58 ft	348.43 ft	399.08 ft	60.82	1.59/100 ft
5800.00 ft	1.08	75.64	100.00 ft	5747.68 ft	194.50 ft	194.50 ft	349.11 ft	399.64 ft	60.88	1.45/100 ft
5900.00 ft	1.47	180.33	100.00 ft	5847.67 ft	193.45 ft	193.45 ft	350.02 ft	399.92 ft	61.07	2.03/100 ft

Icefield Tools Inc. makes no warranty of any kind with respect to the subject matter included herein or the completeness or accuracy of this document. Icefield Tools Inc. are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.