

**SUMMIT**  
OILFIELD SERVICES, INC

Company: Civitas  
Lease/Well: Wardell B 1  
County/State: Weld/CO  
API #: 05-123-12844

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

Date: 2-6-23  
Job Number: 14136-512312844  
Survey Engineer: Nathan Proffitt  
Instrument Number: GP1-1021

## Summit Oilfield Services

### Wardell B 1 TBG Survey

*Minimum Curvature Method*

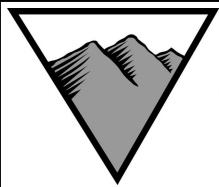
*Vertical Section Plane: 0.00*

*Vertical Section Reference: Wellhead*

*Rectangular Coordinates Reference: Wellhead*

| Measured Depth | Indin | 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      | 0.73  | 202.55  | 100.00 ft     | 100.00 ft           | -0.59 ft  | -0.25 ft  | -0.59 ft         | 0.73/100 ft     | 0.64 ft          | 202.55            |
| 200.00 ft      | 0.21  | 214.69  | 100.00 ft     | 199.99 ft           | -1.33 ft  | -0.59 ft  | -1.33 ft         | 0.53/100 ft     | 1.46 ft          | 204.03            |
| 300.00 ft      | 0.08  | 218.49  | 100.00 ft     | 299.99 ft           | -1.53 ft  | -0.74 ft  | -1.53 ft         | 0.12/100 ft     | 1.70 ft          | 205.75            |
| 400.00 ft      | 0.03  | 168.25  | 100.00 ft     | 399.99 ft           | -1.61 ft  | -0.78 ft  | -1.61 ft         | 0.07/100 ft     | 1.79 ft          | 205.78            |
| 500.00 ft      | 0.09  | 269.24  | 100.00 ft     | 499.99 ft           | -1.64 ft  | -0.85 ft  | -1.64 ft         | 0.10/100 ft     | 1.85 ft          | 207.45            |
| 600.00 ft      | 0.12  | 22.79   | 100.00 ft     | 599.99 ft           | -1.55 ft  | -0.89 ft  | -1.55 ft         | 0.17/100 ft     | 1.78 ft          | 209.89            |
| 700.00 ft      | 0.16  | 342.31  | 100.00 ft     | 699.99 ft           | -1.32 ft  | -0.89 ft  | -1.32 ft         | 0.10/100 ft     | 1.59 ft          | 214.00            |
| 800.00 ft      | 0.13  | 52.40   | 100.00 ft     | 799.99 ft           | -1.12 ft  | -0.84 ft  | -1.12 ft         | 0.17/100 ft     | 1.40 ft          | 216.92            |
| 900.00 ft      | 0.05  | 22.94   | 100.00 ft     | 899.99 ft           | -1.01 ft  | -0.73 ft  | -1.01 ft         | 0.09/100 ft     | 1.25 ft          | 216.01            |
| 1000.00 ft     | 0.10  | 350.17  | 100.00 ft     | 999.99 ft           | -0.88 ft  | -0.73 ft  | -0.88 ft         | 0.06/100 ft     | 1.14 ft          | 219.67            |
| 1100.00 ft     | 0.11  | 28.97   | 100.00 ft     | 1099.99 ft          | -0.71 ft  | -0.70 ft  | -0.71 ft         | 0.07/100 ft     | 0.99 ft          | 224.58            |
| 1200.00 ft     | 0.11  | 309.51  | 100.00 ft     | 1199.99 ft          | -0.56 ft  | -0.72 ft  | -0.56 ft         | 0.15/100 ft     | 0.91 ft          | 232.50            |

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

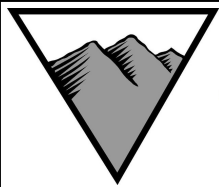
Company: Civitas  
Lease/Well: Wardell B 1  
County/State: Weld/CO  
API #: 05-123-12844

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

Date: 2-6-23  
Job Number: 14136-512312844  
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     | 0.26   | 302.83  | 100.00 ft     | 1299.99 ft          | -0.37 ft  | -0.99 ft  | -0.37 ft         | 0.15/100 ft     | 1.06 ft          | 249.53            |
| 1400.00 ft     | 0.32   | 303.29  | 100.00 ft     | 1399.99 ft          | -0.09 ft  | -1.42 ft  | -0.09 ft         | 0.06/100 ft     | 1.42 ft          | 266.22            |
| 1500.00 ft     | 0.49   | 286.96  | 100.00 ft     | 1499.99 ft          | 0.19 ft   | -2.06 ft  | 0.19 ft          | 0.20/100 ft     | 2.07 ft          | 275.14            |
| 1600.00 ft     | 0.63   | 285.34  | 100.00 ft     | 1599.98 ft          | 0.45 ft   | -3.00 ft  | 0.45 ft          | 0.14/100 ft     | 3.03 ft          | 278.63            |
| 1700.00 ft     | 0.65   | 283.12  | 100.00 ft     | 1699.98 ft          | 0.73 ft   | -4.08 ft  | 0.73 ft          | 0.04/100 ft     | 4.14 ft          | 280.13            |
| 1800.00 ft     | 0.91   | 269.83  | 100.00 ft     | 1799.97 ft          | 0.86 ft   | -5.42 ft  | 0.86 ft          | 0.31/100 ft     | 5.49 ft          | 278.97            |
| 1900.00 ft     | 0.82   | 254.06  | 100.00 ft     | 1899.96 ft          | 0.66 ft   | -6.90 ft  | 0.66 ft          | 0.25/100 ft     | 6.93 ft          | 275.43            |
| 2000.00 ft     | 0.87   | 270.15  | 100.00 ft     | 1999.95 ft          | 0.46 ft   | -8.35 ft  | 0.46 ft          | 0.24/100 ft     | 8.36 ft          | 273.16            |
| 2100.00 ft     | 0.88   | 271.48  | 100.00 ft     | 2099.93 ft          | 0.48 ft   | -9.87 ft  | 0.48 ft          | 0.02/100 ft     | 9.89 ft          | 272.80            |
| 2200.00 ft     | 0.90   | 270.19  | 100.00 ft     | 2199.92 ft          | 0.51 ft   | -11.43 ft | 0.51 ft          | 0.03/100 ft     | 11.44 ft         | 272.53            |
| 2300.00 ft     | 0.92   | 268.89  | 100.00 ft     | 2299.91 ft          | 0.49 ft   | -13.02 ft | 0.49 ft          | 0.03/100 ft     | 13.03 ft         | 272.17            |
| 2400.00 ft     | 0.99   | 257.34  | 100.00 ft     | 2399.90 ft          | 0.29 ft   | -14.67 ft | 0.29 ft          | 0.21/100 ft     | 14.67 ft         | 271.12            |
| 2500.00 ft     | 1.26   | 158.44  | 100.00 ft     | 2499.88 ft          | -0.93 ft  | -15.11 ft | -0.93 ft         | 1.72/100 ft     | 15.14 ft         | 266.48            |
| 2600.00 ft     | 1.24   | 249.24  | 100.00 ft     | 2599.87 ft          | -2.34 ft  | -15.72 ft | -2.34 ft         | 1.78/100 ft     | 15.89 ft         | 261.54            |
| 2700.00 ft     | 1.24   | 245.19  | 100.00 ft     | 2699.84 ft          | -3.18 ft  | -17.71 ft | -3.18 ft         | 0.09/100 ft     | 17.99 ft         | 259.83            |
| 2800.00 ft     | 1.21   | 239.58  | 100.00 ft     | 2799.82 ft          | -4.17 ft  | -19.61 ft | -4.17 ft         | 0.12/100 ft     | 20.05 ft         | 258.00            |
| 2900.00 ft     | 0.98   | 240.56  | 100.00 ft     | 2899.80 ft          | -5.12 ft  | -21.26 ft | -5.12 ft         | 0.23/100 ft     | 21.87 ft         | 256.46            |
| 3000.00 ft     | 0.85   | 241.66  | 100.00 ft     | 2999.79 ft          | -5.89 ft  | -22.66 ft | -5.89 ft         | 0.13/100 ft     | 23.41 ft         | 255.42            |
| 3100.00 ft     | 0.72   | 249.72  | 100.00 ft     | 3099.78 ft          | -6.46 ft  | -23.89 ft | -6.46 ft         | 0.17/100 ft     | 24.75 ft         | 254.87            |
| 3200.00 ft     | 0.72   | 316.08  | 100.00 ft     | 3199.77 ft          | -6.23 ft  | -24.91 ft | -6.23 ft         | 0.78/100 ft     | 25.68 ft         | 255.97            |
| 3300.00 ft     | 0.72   | 255.43  | 100.00 ft     | 3299.77 ft          | -5.94 ft  | -25.96 ft | -5.94 ft         | 0.73/100 ft     | 26.63 ft         | 257.12            |

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

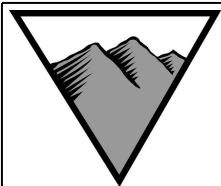
Company: Civitas  
Lease/Well: Wardell B 1  
County/State: Weld/CO  
API #: 05-123-12844

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

Date: 2-6-23  
Job Number: 14136-512312844  
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 |
|----------------|--------|---------|---------------|---------------------|-----------|-----------|------------------|-----------------|------------------|-------------------|
| 3400.00 ft     | 0.85   | 248.62  | 100.00 ft     | 3399.76 ft          | -6.36 ft  | -27.26 ft | -6.36 ft         | 0.15/100 ft     | 27.99 ft         | 256.86            |
| 3500.00 ft     | 1.08   | 238.90  | 100.00 ft     | 3499.74 ft          | -7.12 ft  | -28.75 ft | -7.12 ft         | 0.28/100 ft     | 29.62 ft         | 256.09            |
| 3600.00 ft     | 1.23   | 237.06  | 100.00 ft     | 3599.72 ft          | -8.19 ft  | -30.46 ft | -8.19 ft         | 0.15/100 ft     | 31.54 ft         | 254.95            |
| 3700.00 ft     | 1.30   | 237.29  | 100.00 ft     | 3699.70 ft          | -9.39 ft  | -32.32 ft | -9.39 ft         | 0.08/100 ft     | 33.65 ft         | 253.80            |
| 3800.00 ft     | 1.46   | 233.33  | 100.00 ft     | 3799.67 ft          | -10.76 ft | -34.30 ft | -10.76 ft        | 0.18/100 ft     | 35.95 ft         | 252.58            |
| 3900.00 ft     | 1.97   | 240.24  | 100.00 ft     | 3899.63 ft          | -12.38 ft | -36.82 ft | -12.38 ft        | 0.55/100 ft     | 38.84 ft         | 251.41            |
| 4000.00 ft     | 2.27   | 235.81  | 100.00 ft     | 3999.56 ft          | -14.35 ft | -39.95 ft | -14.35 ft        | 0.34/100 ft     | 42.45 ft         | 250.24            |
| 4100.00 ft     | 2.46   | 237.51  | 100.00 ft     | 4099.47 ft          | -16.61 ft | -43.40 ft | -16.61 ft        | 0.20/100 ft     | 46.47 ft         | 249.05            |
| 4200.00 ft     | 2.15   | 282.86  | 100.00 ft     | 4199.40 ft          | -17.35 ft | -47.04 ft | -17.35 ft        | 1.80/100 ft     | 50.13 ft         | 249.76            |
| 4300.00 ft     | 1.98   | 272.48  | 100.00 ft     | 4299.33 ft          | -16.85 ft | -50.59 ft | -16.85 ft        | 0.41/100 ft     | 53.33 ft         | 251.58            |
| 4400.00 ft     | 1.70   | 252.54  | 100.00 ft     | 4399.28 ft          | -17.22 ft | -53.74 ft | -17.22 ft        | 0.69/100 ft     | 56.43 ft         | 252.23            |
| 4500.00 ft     | 1.56   | 262.24  | 100.00 ft     | 4499.24 ft          | -17.85 ft | -56.50 ft | -17.85 ft        | 0.31/100 ft     | 59.25 ft         | 252.46            |
| 4600.00 ft     | 1.72   | 250.27  | 100.00 ft     | 4599.20 ft          | -18.54 ft | -59.26 ft | -18.54 ft        | 0.38/100 ft     | 62.09 ft         | 252.62            |
| 4700.00 ft     | 1.44   | 257.50  | 100.00 ft     | 4699.16 ft          | -19.32 ft | -61.91 ft | -19.32 ft        | 0.34/100 ft     | 64.85 ft         | 252.66            |
| 4800.00 ft     | 1.77   | 286.46  | 100.00 ft     | 4799.13 ft          | -19.16 ft | -64.62 ft | -19.16 ft        | 0.86/100 ft     | 67.40 ft         | 253.49            |
| 4900.00 ft     | 1.90   | 300.91  | 100.00 ft     | 4899.08 ft          | -17.87 ft | -67.52 ft | -17.87 ft        | 0.48/100 ft     | 69.84 ft         | 255.17            |
| 5000.00 ft     | 1.57   | 304.25  | 100.00 ft     | 4999.03 ft          | -16.25 ft | -70.07 ft | -16.25 ft        | 0.35/100 ft     | 71.93 ft         | 256.94            |
| 5100.00 ft     | 1.04   | 318.80  | 100.00 ft     | 5099.00 ft          | -14.80 ft | -71.79 ft | -14.80 ft        | 0.62/100 ft     | 73.30 ft         | 258.35            |
| 5200.00 ft     | 0.77   | 294.41  | 100.00 ft     | 5198.99 ft          | -13.84 ft | -73.00 ft | -13.84 ft        | 0.46/100 ft     | 74.30 ft         | 259.26            |
| 5300.00 ft     | 0.42   | 339.67  | 100.00 ft     | 5298.99 ft          | -13.22 ft | -73.74 ft | -13.22 ft        | 0.56/100 ft     | 74.92 ft         | 259.83            |
| 5400.00 ft     | 0.40   | 309.77  | 100.00 ft     | 5398.98 ft          | -12.66 ft | -74.14 ft | -12.66 ft        | 0.21/100 ft     | 75.21 ft         | 260.31            |

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: Civitas  
Lease/Well: Wardell B 1  
County/State: Weld/CO  
API #: 05-123-12844

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

Date: 2-6-23  
Job Number: 14136-512312844  
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     | 0.33   | 211.19  | 100.00 ft     | 5498.98 ft          | -12.68 ft | -74.55 ft | -12.68 ft        | 0.56/100 ft     | 75.63 ft         | 260.35            |
| 5600.00 ft     | 1.02   | 218.22  | 100.00 ft     | 5598.98 ft          | -13.63 ft | -75.25 ft | -13.63 ft        | 0.69/100 ft     | 76.48 ft         | 259.74            |
| 5700.00 ft     | 0.79   | 254.12  | 100.00 ft     | 5698.96 ft          | -14.51 ft | -76.46 ft | -14.51 ft        | 0.60/100 ft     | 77.83 ft         | 259.25            |
| 5800.00 ft     | 0.63   | 227.79  | 100.00 ft     | 5798.96 ft          | -15.07 ft | -77.53 ft | -15.07 ft        | 0.36/100 ft     | 78.98 ft         | 259.00            |
| 5900.00 ft     | 0.74   | 244.16  | 100.00 ft     | 5898.95 ft          | -15.72 ft | -78.52 ft | -15.72 ft        | 0.22/100 ft     | 80.08 ft         | 258.68            |
| 6000.00 ft     | 0.81   | 208.33  | 100.00 ft     | 5998.94 ft          | -16.62 ft | -79.43 ft | -16.62 ft        | 0.48/100 ft     | 81.15 ft         | 258.18            |
| 6100.00 ft     | 0.76   | 248.76  | 100.00 ft     | 6098.93 ft          | -17.48 ft | -80.39 ft | -17.48 ft        | 0.55/100 ft     | 82.27 ft         | 257.73            |
| 6200.00 ft     | 0.29   | 230.19  | 100.00 ft     | 6198.93 ft          | -17.89 ft | -81.20 ft | -17.89 ft        | 0.49/100 ft     | 83.15 ft         | 257.58            |
| 6300.00 ft     | 1.16   | 210.68  | 100.00 ft     | 6298.92 ft          | -18.93 ft | -81.92 ft | -18.93 ft        | 0.89/100 ft     | 84.07 ft         | 256.99            |
| 6400.00 ft     | 1.30   | 228.44  | 100.00 ft     | 6398.90 ft          | -20.55 ft | -83.28 ft | -20.55 ft        | 0.40/100 ft     | 85.78 ft         | 256.14            |
| 6500.00 ft     | 0.98   | 241.16  | 100.00 ft     | 6498.88 ft          | -21.72 ft | -84.88 ft | -21.72 ft        | 0.41/100 ft     | 87.61 ft         | 255.65            |
| 6600.00 ft     | 0.60   | 235.88  | 100.00 ft     | 6598.87 ft          | -22.42 ft | -86.06 ft | -22.42 ft        | 0.38/100 ft     | 88.94 ft         | 255.40            |
| 6700.00 ft     | 1.29   | 177.78  | 100.00 ft     | 6698.85 ft          | -23.84 ft | -86.45 ft | -23.84 ft        | 1.10/100 ft     | 89.68 ft         | 254.58            |
| 6800.00 ft     | 1.31   | 176.61  | 100.00 ft     | 6798.83 ft          | -26.11 ft | -86.34 ft | -26.11 ft        | 0.03/100 ft     | 90.20 ft         | 253.17            |
| 6900.00 ft     | 0.53   | 204.26  | 100.00 ft     | 6898.81 ft          | -27.67 ft | -86.46 ft | -27.67 ft        | 0.88/100 ft     | 90.78 ft         | 252.25            |
| 7000.00 ft     | 1.62   | 225.88  | 100.00 ft     | 6998.80 ft          | -29.07 ft | -87.67 ft | -29.07 ft        | 1.14/100 ft     | 92.36 ft         | 251.65            |
| 7100.00 ft     | 1.56   | 237.39  | 100.00 ft     | 7098.76 ft          | -30.79 ft | -89.83 ft | -30.79 ft        | 0.32/100 ft     | 94.96 ft         | 251.08            |
| 7200.00 ft     | 1.80   | 247.63  | 100.00 ft     | 7198.72 ft          | -32.12 ft | -92.43 ft | -32.12 ft        | 0.38/100 ft     | 97.85 ft         | 250.83            |
| 7300.00 ft     | 1.56   | 259.45  | 100.00 ft     | 7298.67 ft          | -32.97 ft | -95.22 ft | -32.97 ft        | 0.42/100 ft     | 100.76 ft        | 250.90            |
| 7400.00 ft     | 1.61   | 284.01  | 100.00 ft     | 7398.64 ft          | -32.88 ft | -97.91 ft | -32.88 ft        | 0.67/100 ft     | 103.29 ft        | 251.44            |

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.