

# SURVEY CALCULATION PROGRAM

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|                                   |                       |                                     |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
|-----------------------------------|-----------------------|-------------------------------------|------------------------|---------------------|---------------------|------------------------------|-----------------------------|-----------------------------|------------|----------------------------|---------------------|----------------------|-----------|--|
| <b>Company:</b>                   |                       | Great Western Oil & Gas Company LLC |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Well Name:</b>                 |                       | Boutler 0-2-27                      |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Location:</b>                  |                       | Weld County, CO                     |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Rig:</b>                       |                       | Cade #22                            |                        |                     |                     | <b>Magnetic Declination:</b> |                             | 8.16                        |            | REFERENCED TO GRID NORTH ▼ |                     |                      |           |  |
| <b>Job Number:</b>                |                       | DDOK-120205                         |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>API #:</b>                     |                       | 05-123-33515                        |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Vertical Section Azimuth:</b>  |                       |                                     |                        | 273.65              |                     | <b>Proposed Direction:</b>   |                             | 273.65                      |            |                            |                     |                      |           |  |
| <b>Survey Calculation Method:</b> |                       |                                     |                        | Minimum Curvature   |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>PTB:</b>                       | <b>MD</b>             |                                     | <b>INC</b>             |                     | <b>AZM</b>          |                              | <b>TVD</b>                  |                             | <b>N/S</b> |                            | <b>E/W</b>          |                      | <b>VS</b> |  |
|                                   | 7,395                 |                                     | 0.90                   |                     | 109.30              |                              | 7184.31                     |                             | 95.47      |                            | -1394.68            |                      | 1397.92   |  |
| <b>#</b>                          | <b>Depth<br/>Feet</b> | <b>Inc<br/>Degrees</b>              | <b>Azm<br/>Degrees</b> | <b>TVD<br/>Feet</b> | <b>N/S<br/>Feet</b> | <b>E/W<br/>Feet</b>          | <b>Surface<br/>Vert Sec</b> | <b>Closure<br/>Distance</b> |            | <b>Azm</b>                 | <b>DLS/<br/>100</b> | <b>BUR/<br/>100'</b> |           |  |
| TIE IN                            | 0                     | 0.00                                | 0.00                   | 0.00                | 0.00                | 0.00                         |                             |                             |            | 0.00                       |                     |                      |           |  |
| 1                                 | 115                   | 0.70                                | 311.40                 | 115.00              | 0.46                | -0.53                        | 0.56                        | 0.70                        | 311.40     | 0.61                       | 0.61                |                      |           |  |
| 2                                 | 206                   | 1.30                                | 301.00                 | 205.98              | 1.36                | -1.83                        | 1.91                        | 2.28                        | 306.71     | 0.69                       | 0.66                |                      |           |  |
| 3                                 | 297                   | 2.90                                | 295.50                 | 296.92              | 2.89                | -4.79                        | 4.97                        | 5.59                        | 301.07     | 1.77                       | 1.76                |                      |           |  |
| 4                                 | 388                   | 4.90                                | 287.60                 | 387.70              | 5.05                | -10.57                       | 10.87                       | 11.72                       | 295.54     | 2.27                       | 2.20                |                      |           |  |
| 5                                 | 479                   | 6.60                                | 284.80                 | 478.24              | 7.56                | -19.34                       | 19.78                       | 20.76                       | 291.37     | 1.89                       | 1.87                |                      |           |  |
| 6                                 | 568                   | 8.20                                | 279.40                 | 566.50              | 9.91                | -30.54                       | 31.11                       | 32.11                       | 287.97     | 1.96                       | 1.80                |                      |           |  |
| 7                                 | 720                   | 9.10                                | 282.20                 | 716.77              | 14.22               | -52.99                       | 53.78                       | 54.86                       | 285.02     | 0.65                       | 0.59                |                      |           |  |
| 8                                 | 815                   | 12.50                               | 273.70                 | 810.08              | 16.47               | -70.60                       | 71.50                       | 72.49                       | 283.13     | 3.94                       | 3.58                |                      |           |  |
| 9                                 | 911                   | 15.20                               | 273.20                 | 903.28              | 17.84               | -93.53                       | 94.48                       | 95.22                       | 280.80     | 2.82                       | 2.81                |                      |           |  |
| 10                                | 1,006                 | 17.30                               | 271.50                 | 994.48              | 18.91               | -120.09                      | 121.05                      | 121.57                      | 278.95     | 2.27                       | 2.21                |                      |           |  |
| 11                                | 1,101                 | 18.10                               | 273.20                 | 1084.98             | 20.10               | -148.95                      | 149.92                      | 150.30                      | 277.69     | 1.00                       | 0.84                |                      |           |  |
| 12                                | 1,196                 | 17.40                               | 274.10                 | 1175.46             | 21.94               | -177.85                      | 178.88                      | 179.20                      | 277.03     | 0.79                       | -0.74               |                      |           |  |
| 13                                | 1,291                 | 19.60                               | 275.50                 | 1265.55             | 24.48               | -207.88                      | 209.02                      | 209.32                      | 276.72     | 2.36                       | 2.32                |                      |           |  |
| 14                                | 1,387                 | 17.70                               | 276.60                 | 1356.50             | 27.71               | -238.41                      | 239.69                      | 240.01                      | 276.63     | 2.01                       | -1.98               |                      |           |  |
| 15                                | 1,482                 | 16.60                               | 275.20                 | 1447.28             | 30.60               | -266.27                      | 267.68                      | 268.02                      | 276.55     | 1.24                       | -1.16               |                      |           |  |
| 16                                | 1,577                 | 16.20                               | 272.00                 | 1538.41             | 32.29               | -293.03                      | 294.49                      | 294.80                      | 276.29     | 1.04                       | -0.42               |                      |           |  |
| 17                                | 1,672                 | 16.70                               | 266.10                 | 1629.53             | 31.82               | -319.89                      | 321.27                      | 321.47                      | 275.68     | 1.83                       | 0.53                |                      |           |  |
| 18                                | 1,768                 | 16.60                               | 268.40                 | 1721.51             | 30.50               | -347.36                      | 348.60                      | 348.70                      | 275.02     | 0.69                       | -0.10               |                      |           |  |
| 19                                | 1,863                 | 17.90                               | 274.10                 | 1812.24             | 31.17               | -375.49                      | 376.71                      | 376.78                      | 274.74     | 2.24                       | 1.37                |                      |           |  |
| 20                                | 1,957                 | 16.90                               | 269.10                 | 1901.94             | 31.98               | -403.56                      | 404.78                      | 404.83                      | 274.53     | 1.91                       | -1.06               |                      |           |  |
| 21                                | 2,053                 | 17.60                               | 265.50                 | 1993.62             | 30.63               | -431.99                      | 433.06                      | 433.07                      | 274.06     | 1.33                       | 0.73                |                      |           |  |
| 22                                | 2,147                 | 18.70                               | 268.40                 | 2082.95             | 29.09               | -461.22                      | 462.14                      | 462.14                      | 273.61     | 1.51                       | 1.17                |                      |           |  |
| 23                                | 2,243                 | 17.40                               | 268.30                 | 2174.22             | 28.23               | -490.95                      | 491.75                      | 491.76                      | 273.29     | 1.35                       | -1.35               |                      |           |  |
| 24                                | 2,338                 | 15.60                               | 275.20                 | 2265.31             | 28.97               | -517.88                      | 518.67                      | 518.69                      | 273.20     | 2.80                       | -1.89               |                      |           |  |
| 25                                | 2,434                 | 16.30                               | 271.10                 | 2357.62             | 30.40               | -544.20                      | 545.03                      | 545.05                      | 273.20     | 1.38                       | 0.73                |                      |           |  |
| 26                                | 2,528                 | 18.80                               | 272.20                 | 2447.24             | 31.23               | -572.53                      | 573.36                      | 573.38                      | 273.12     | 2.68                       | 2.66                |                      |           |  |
| 27                                | 2,623                 | 18.90                               | 273.00                 | 2537.14             | 32.63               | -603.19                      | 604.04                      | 604.07                      | 273.10     | 0.29                       | 0.11                |                      |           |  |
| 28                                | 2,718                 | 21.10                               | 273.60                 | 2626.41             | 34.51               | -635.63                      | 636.53                      | 636.56                      | 273.11     | 2.33                       | 2.32                |                      |           |  |

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| <b>Company:</b>                   |                       | Great Western Oil & Gas Company LLC |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Well Name:</b>                 |                       | Boutler 0-2-27                      |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Location:</b>                  |                       | Weld County, CO                     |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Rig:</b>                       |                       | Cade #22                            |                        |                     |                     | <b>Magnetic Declination:</b> |                             | 8.16                        |            | REFERENCED TO GRID NORTH ▼ |                     |                      |           |  |
| <b>Job Number:</b>                |                       | DDOK-120205                         |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>API #:</b>                     |                       | 05-123-33515                        |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Vertical Section Azimuth:</b>  |                       |                                     |                        | 273.65              |                     | <b>Proposed Direction:</b>   |                             | 273.65                      |            |                            |                     |                      |           |  |
| <b>Survey Calculation Method:</b> |                       |                                     |                        | Minimum Curvature   |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>PTB:</b>                       | <b>MD</b>             |                                     | <b>INC</b>             |                     | <b>AZM</b>          |                              | <b>TVD</b>                  |                             | <b>N/S</b> |                            | <b>E/W</b>          |                      | <b>VS</b> |  |
|                                   | 7,395                 |                                     | 0.90                   |                     | 109.30              |                              | 7184.31                     |                             | 95.47      |                            | -1394.68            |                      | 1397.92   |  |
| <b>#</b>                          | <b>Depth<br/>Feet</b> | <b>Inc<br/>Degrees</b>              | <b>Azm<br/>Degrees</b> | <b>TVD<br/>Feet</b> | <b>N/S<br/>Feet</b> | <b>E/W<br/>Feet</b>          | <b>Surface<br/>Vert Sec</b> | <b>Closure<br/>Distance</b> |            | <b>Azm</b>                 | <b>DLS/<br/>100</b> | <b>BUR/<br/>100'</b> |           |  |
| 29                                | 2,812                 | 21.60                               | 274.10                 | 2713.96             | 36.81               | -669.77                      | 670.76                      | 670.78                      | 273.15     | 0.57                       | 0.53                |                      |           |  |
| 30                                | 2,907                 | 20.90                               | 272.80                 | 2802.50             | 38.88               | -704.14                      | 705.18                      | 705.21                      | 273.16     | 0.89                       | -0.74               |                      |           |  |
| 31                                | 3,002                 | 19.20                               | 270.50                 | 2891.74             | 39.85               | -736.69                      | 737.73                      | 737.76                      | 273.10     | 1.97                       | -1.79               |                      |           |  |
| 32                                | 3,097                 | 20.60                               | 274.40                 | 2981.07             | 41.27               | -768.97                      | 770.04                      | 770.08                      | 273.07     | 2.03                       | 1.47                |                      |           |  |
| 33                                | 3,193                 | 20.60                               | 273.60                 | 3070.93             | 43.62               | -802.67                      | 803.82                      | 803.85                      | 273.11     | 0.29                       | 0.00                |                      |           |  |
| 34                                | 3,288                 | 19.60                               | 270.50                 | 3160.15             | 44.81               | -835.28                      | 836.44                      | 836.48                      | 273.07     | 1.54                       | -1.05               |                      |           |  |
| 35                                | 3,383                 | 18.10                               | 276.60                 | 3250.06             | 46.65               | -865.88                      | 867.09                      | 867.13                      | 273.08     | 2.61                       | -1.58               |                      |           |  |
| 36                                | 3,478                 | 17.10                               | 275.90                 | 3340.61             | 49.78               | -894.43                      | 895.79                      | 895.82                      | 273.19     | 1.08                       | -1.05               |                      |           |  |
| 37                                | 3,574                 | 15.20                               | 274.00                 | 3432.82             | 52.11               | -921.03                      | 922.48                      | 922.50                      | 273.24     | 2.05                       | -1.98               |                      |           |  |
| 38                                | 3,670                 | 14.70                               | 278.20                 | 3525.57             | 54.72               | -945.64                      | 947.20                      | 947.22                      | 273.31     | 1.24                       | -0.52               |                      |           |  |
| 39                                | 3,765                 | 15.70                               | 279.50                 | 3617.25             | 58.56               | -970.25                      | 972.01                      | 972.01                      | 273.45     | 1.11                       | 1.05                |                      |           |  |
| 40                                | 3,861                 | 19.00                               | 277.10                 | 3708.87             | 62.64               | -998.57                      | 1000.54                     | 1000.54                     | 273.59     | 3.52                       | 3.44                |                      |           |  |
| 41                                | 3,956                 | 19.20                               | 278.70                 | 3798.64             | 66.91               | -1029.36                     | 1031.53                     | 1031.53                     | 273.72     | 0.59                       | 0.21                |                      |           |  |
| 42                                | 4,052                 | 19.90                               | 278.40                 | 3889.10             | 71.69               | -1061.13                     | 1063.54                     | 1063.55                     | 273.86     | 0.74                       | 0.73                |                      |           |  |
| 43                                | 4,146                 | 18.30                               | 271.60                 | 3977.94             | 74.44               | -1091.71                     | 1094.24                     | 1094.25                     | 273.90     | 2.91                       | -1.70               |                      |           |  |
| 44                                | 4,242                 | 17.80                               | 269.00                 | 4069.21             | 74.60               | -1121.45                     | 1123.92                     | 1123.93                     | 273.81     | 0.99                       | -0.52               |                      |           |  |
| 45                                | 4,337                 | 19.00                               | 270.60                 | 4159.35             | 74.51               | -1151.43                     | 1153.84                     | 1153.84                     | 273.70     | 1.37                       | 1.26                |                      |           |  |
| 46                                | 4,432                 | 18.20                               | 271.60                 | 4249.39             | 75.09               | -1181.73                     | 1184.11                     | 1184.11                     | 273.64     | 0.91                       | -0.84               |                      |           |  |
| 47                                | 4,527                 | 19.20                               | 271.60                 | 4339.38             | 75.94               | -1212.17                     | 1214.55                     | 1214.55                     | 273.58     | 1.05                       | 1.05                |                      |           |  |
| 48                                | 4,622                 | 18.00                               | 270.20                 | 4429.41             | 76.43               | -1242.47                     | 1244.81                     | 1244.82                     | 273.52     | 1.35                       | -1.26               |                      |           |  |
| 49                                | 4,718                 | 17.10                               | 273.70                 | 4520.95             | 77.39               | -1271.39                     | 1273.73                     | 1273.74                     | 273.48     | 1.44                       | -0.94               |                      |           |  |
| 50                                | 4,816                 | 14.80                               | 269.00                 | 4615.17             | 78.10               | -1298.28                     | 1300.62                     | 1300.63                     | 273.44     | 2.69                       | -2.35               |                      |           |  |
| 51                                | 4,909                 | 12.20                               | 267.70                 | 4705.59             | 77.50               | -1319.98                     | 1322.24                     | 1322.26                     | 273.36     | 2.81                       | -2.80               |                      |           |  |
| 52                                | 5,005                 | 10.30                               | 269.90                 | 4799.74             | 77.08               | -1338.70                     | 1340.89                     | 1340.92                     | 273.30     | 2.03                       | -1.98               |                      |           |  |
| 53                                | 5,099                 | 9.60                                | 273.70                 | 4892.33             | 77.57               | -1354.93                     | 1357.12                     | 1357.15                     | 273.28     | 1.02                       | -0.74               |                      |           |  |
| 54                                | 5,194                 | 8.50                                | 274.10                 | 4986.15             | 78.58               | -1369.84                     | 1372.06                     | 1372.09                     | 273.28     | 1.16                       | -1.16               |                      |           |  |
| 55                                | 5,289                 | 6.70                                | 273.90                 | 5080.31             | 79.46               | -1382.37                     | 1384.62                     | 1384.65                     | 273.29     | 1.89                       | -1.89               |                      |           |  |
| 56                                | 5,478                 | 3.90                                | 277.50                 | 5268.48             | 81.05               | -1399.75                     | 1402.07                     | 1402.09                     | 273.31     | 1.49                       | -1.48               |                      |           |  |
| 57                                | 5,669                 | 3.00                                | 282.50                 | 5459.13             | 82.98               | -1411.07                     | 1413.49                     | 1413.50                     | 273.37     | 0.50                       | -0.47               |                      |           |  |
| 58                                | 5,860                 | 1.80                                | 305.50                 | 5649.97             | 85.80               | -1418.39                     | 1420.97                     | 1420.98                     | 273.46     | 0.79                       | -0.63               |                      |           |  |

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| <b>Company:</b>                   |                       | Great Western Oil & Gas Company LLC |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Well Name:</b>                 |                       | Boutler 0-2-27                      |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Location:</b>                  |                       | Weld County, CO                     |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Rig:</b>                       |                       | Cade #22                            |                        |                     |                     | <b>Magnetic Declination:</b> |                             | 8.16                        |            | REFERENCED TO GRID NORTH ▼ |                     |                      |           |  |
| <b>Job Number:</b>                |                       | DDOK-120205                         |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>API #:</b>                     |                       | 05-123-33515                        |                        |                     |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>Vertical Section Azimuth:</b>  |                       |                                     |                        | 273.65              |                     | <b>Proposed Direction:</b>   |                             | 273.65                      |            |                            |                     |                      |           |  |
| <b>Survey Calculation Method:</b> |                       |                                     |                        | Minimum Curvature   |                     |                              |                             |                             |            |                            |                     |                      |           |  |
| <b>PTB:</b>                       | <b>MD</b>             |                                     | <b>INC</b>             |                     | <b>AZM</b>          |                              | <b>TVD</b>                  |                             | <b>N/S</b> |                            | <b>E/W</b>          |                      | <b>VS</b> |  |
|                                   | 7,395                 |                                     | 0.90                   |                     | 109.30              |                              | 7184.31                     |                             | 95.47      |                            | -1394.68            |                      | 1397.92   |  |
| <b>#</b>                          | <b>Depth<br/>Feet</b> | <b>Inc<br/>Degrees</b>              | <b>Azm<br/>Degrees</b> | <b>TVD<br/>Feet</b> | <b>N/S<br/>Feet</b> | <b>E/W<br/>Feet</b>          | <b>Surface<br/>Vert Sec</b> | <b>Closure<br/>Distance</b> |            | <b>Azm</b>                 | <b>DLS/<br/>100</b> | <b>BUR/<br/>100'</b> |           |  |
| 59                                | 6,050                 | 1.80                                | 348.20                 | 5839.88             | 90.46               | -1421.43                     | 1424.30                     | 1424.30                     | 273.64     | 0.69                       | 0.00                |                      |           |  |
| 60                                | 6,333                 | 2.40                                | 34.80                  | 6122.71             | 99.67               | -1418.95                     | 1422.42                     | 1422.45                     | 274.02     | 0.62                       | 0.21                |                      |           |  |
| 61                                | 6,617                 | 1.20                                | 89.90                  | 6406.58             | 104.56              | -1412.59                     | 1416.38                     | 1416.45                     | 274.23     | 0.70                       | -0.42               |                      |           |  |
| 62                                | 6,902                 | 1.50                                | 127.80                 | 6691.51             | 102.28              | -1406.65                     | 1410.31                     | 1410.37                     | 274.16     | 0.32                       | 0.11                |                      |           |  |
| 63                                | 7,185                 | 2.10                                | 118.50                 | 6974.37             | 97.54               | -1399.17                     | 1402.54                     | 1402.57                     | 273.99     | 0.24                       | 0.21                |                      |           |  |
| 64                                | 7,344                 | 0.90                                | 109.30                 | 7133.31             | 95.73               | -1395.43                     | 1398.70                     | 1398.71                     | 273.92     | 0.77                       | -0.75               |                      |           |  |