

Golden Eagle 25C-1-M IFR 0' to 15602' Definitive Survey Geodetic Report

(Def Survey)

Report Date: August 29, 2019 - 09:58 AM
Client: SRC Energy
Field: CO, Weld County (NAD 83 NZ) - SRC
Structure / Slot: SRC Energy 06-06N-66W (Golden Eagle 1-6 Pad) / Golden Eagle 25C-1-M
Well: Golden Eagle 25C-1-M
Borehole: Original Hole
UWI / API#: Unknown / 05-123-50120
Survey Name: Golden Eagle 25C-1-M IFR 0' to 15602' Definitive
Survey Date: May 22, 2019
Tort / AHD / DDI / ERD Ratio: 215.965' / 9969.967 ft / 6.659 / 1.352
Coordinate Reference System: NAD83 Colorado State Plane, Northern Zone, US Feet
Location Lat / Long: N 40° 31' 12.82440", W 104° 48' 52.44480"
Location Grid N/E Y/X: N 1433096.539 ftUS, E 3190559.453 ftUS
CRS Grid Convergence Angle: 0.4429 °
Grid Scale Factor: 0.99996788
Version / Patch: 2.10.782.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 269.450 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB 25ft
TVD Reference Elevation: 4898.000 ft above MSL
Seabed / Ground Elevation: 4873.000 ft above MSL
Magnetic Declination: 7.590 °
Total Gravity Field Strength: 999.0457mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 52428.000 nT
Magnetic Dip Angle: 66.890 °
Declination Date: August 04, 2019
Magnetic Declination Model: Magvar IFR
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North→True North: 7.5900 °
Local Coord Referenced To: Well Head

| Comments | MD (ft) | Incl (°) | Azim True (°) | TVD (ft) | VSEC (ft) | NS (ft) | EW (ft) | DLS (°/100ft) | Northing (ftUS) | Easting (ftUS) | Latitude (°) | Longitude (°) |
|---|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-----------------|------------------|
| Surface | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | 1433096.54 | 3190559.45 | 40.520229 | -104.814568 |
| KB Adjustment | 25.00 | 0.00 | 88.97 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1433096.54 | 3190559.45 | 40.520229 | -104.814568 |
| Begin IFR Survey | 109.00 | 0.33 | 88.97 | 109.00 | -0.24 | 0.00 | 0.24 | 0.39 | 1433096.54 | 3190559.70 | 40.520229 | -104.814567 |
| | 199.00 | 0.03 | 130.63 | 199.00 | -0.52 | -0.01 | 0.52 | 0.34 | 1433096.54 | 3190559.97 | 40.520229 | -104.814566 |
| | 289.00 | 1.02 | 124.51 | 288.99 | -1.19 | -0.48 | 1.20 | 1.10 | 1433096.07 | 3190560.65 | 40.520228 | -104.814564 |
| | 379.00 | 2.83 | 128.79 | 378.94 | -3.57 | -2.32 | 3.59 | 2.02 | 1433094.25 | 3190563.06 | 40.520223 | -104.814555 |
| | 469.00 | 4.88 | 126.10 | 468.73 | -8.36 | -5.97 | 8.41 | 2.29 | 1433090.63 | 3190567.91 | 40.520213 | -104.814538 |
| | 559.00 | 6.83 | 134.92 | 558.26 | -15.18 | -12.00 | 15.30 | 2.38 | 1433084.65 | 3190574.84 | 40.520196 | -104.814513 |
| | 649.00 | 8.39 | 138.17 | 647.46 | -23.27 | -20.68 | 23.47 | 1.80 | 1433076.05 | 3190583.08 | 40.520172 | -104.814484 |
| | 739.00 | 9.93 | 137.26 | 736.31 | -32.81 | -31.27 | 33.11 | 1.72 | 1433065.53 | 3190592.81 | 40.520143 | -104.814449 |
| | 829.00 | 11.46 | 135.89 | 824.75 | -44.18 | -43.39 | 44.60 | 1.72 | 1433053.50 | 3190604.39 | 40.520110 | -104.814408 |
| | 919.00 | 13.03 | 137.29 | 912.70 | -57.16 | -57.26 | 57.71 | 1.78 | 1433039.72 | 3190617.60 | 40.520072 | -104.814360 |
| | 1009.00 | 14.96 | 138.54 | 1000.02 | -71.57 | -73.43 | 72.28 | 2.17 | 1433023.68 | 3190632.30 | 40.520027 | -104.814308 |
| | 1099.00 | 15.18 | 138.23 | 1086.93 | -86.95 | -90.92 | 87.82 | 0.26 | 1433006.30 | 3190647.97 | 40.519979 | -104.814252 |
| | 1189.00 | 14.53 | 138.81 | 1173.92 | -102.06 | -108.20 | 103.11 | 0.74 | 1432989.14 | 3190663.39 | 40.519932 | -104.814197 |
| | 1279.00 | 14.98 | 138.27 | 1260.95 | -117.08 | -125.38 | 118.29 | 0.52 | 1432972.08 | 3190678.70 | 40.519885 | -104.814143 |
| | 1369.00 | 14.33 | 136.22 | 1348.02 | -132.36 | -142.10 | 133.73 | 0.92 | 1432955.48 | 3190694.28 | 40.519839 | -104.814087 |
| | 1459.00 | 13.84 | 136.65 | 1435.32 | -147.31 | -157.97 | 148.83 | 0.56 | 1432939.73 | 3190709.49 | 40.519795 | -104.814033 |
| | 1549.00 | 14.13 | 135.87 | 1522.65 | -162.19 | -173.69 | 163.87 | 0.38 | 1432924.13 | 3190724.65 | 40.519752 | -104.813979 |
| | 1639.00 | 14.58 | 134.20 | 1609.84 | -177.81 | -189.47 | 179.64 | 0.68 | 1432908.47 | 3190740.55 | 40.519709 | -104.813922 |
| | 1729.00 | 13.30 | 135.52 | 1697.19 | -193.04 | -204.75 | 195.01 | 1.47 | 1432893.31 | 3190756.04 | 40.519667 | -104.813867 |
| Last IFR Survey 9 5/8" Casing Begin | 1789.00 | 13.56 | 134.14 | 1755.55 | -202.83 | -214.58 | 204.90 | 0.69 | 1432883.56 | 3190766.00 | 40.519640 | -104.813831 |
| SLB_MWD Survey | 1840.00 | 13.66 | 134.23 | 1805.11 | -211.35 | -222.94 | 213.50 | 0.20 | 1432875.26 | 3190774.67 | 40.519617 | -104.813800 |
| | 1895.00 | 13.77 | 134.32 | 1858.55 | -220.60 | -232.04 | 222.84 | 0.20 | 1432866.23 | 3190784.07 | 40.519592 | -104.813766 |
| | 1985.00 | 13.61 | 135.10 | 1945.99 | -235.60 | -247.03 | 237.98 | 0.27 | 1432851.37 | 3190799.33 | 40.519551 | -104.813712 |
| | 2074.00 | 13.84 | 136.05 | 2032.45 | -250.23 | -262.11 | 252.76 | 0.36 | 1432836.40 | 3190814.22 | 40.519510 | -104.813659 |
| | 2164.00 | 13.56 | 136.19 | 2119.89 | -264.86 | -277.47 | 267.53 | 0.31 | 1432821.15 | 3190829.11 | 40.519467 | -104.813606 |
| | 2253.00 | 13.86 | 137.14 | 2206.35 | -279.18 | -292.82 | 282.01 | 0.42 | 1432805.92 | 3190843.71 | 40.519425 | -104.813554 |
| | 2343.00 | 13.31 | 132.59 | 2293.84 | -294.00 | -307.73 | 296.97 | 1.34 | 1432791.12 | 3190858.78 | 40.519384 | -104.813500 |
| | 2522.00 | 12.64 | 128.74 | 2468.27 | -324.19 | -333.93 | 327.41 | 0.61 | 1432765.16 | 3190889.43 | 40.519312 | -104.813390 |
| | 2612.00 | 13.55 | 133.01 | 2555.93 | -339.46 | -347.28 | 342.80 | 1.48 | 1432751.93 | 3190904.92 | 40.519276 | -104.813335 |
| | 2701.00 | 14.58 | 131.85 | 2642.26 | -355.28 | -361.87 | 358.77 | 1.20 | 1432737.46 | 3190921.00 | 40.519236 | -104.813278 |
| | 2791.00 | 15.77 | 134.06 | 2729.12 | -372.36 | -377.93 | 376.00 | 1.47 | 1432721.54 | 3190938.35 | 40.519192 | -104.813216 |
| | 2880.00 | 15.54 | 130.10 | 2814.82 | -390.01 | -394.02 | 393.81 | 1.23 | 1432705.58 | 3190956.29 | 40.519147 | -104.813152 |
| | 2970.00 | 14.89 | 132.28 | 2901.67 | -407.64 | -409.57 | 411.59 | 0.96 | 1432690.18 | 3190974.18 | 40.519105 | -104.813088 |
| | 3060.00 | 15.52 | 131.36 | 2988.52 | -425.08 | -425.30 | 429.18 | 0.75 | 1432674.58 | 3190991.90 | 40.519062 | -104.813024 |
| | 3149.00 | 15.65 | 131.83 | 3074.24 | -442.81 | -441.18 | 447.06 | 0.20 | 1432658.84 | 3191009.90 | 40.519018 | -104.812960 |
| | 3239.00 | 16.08 | 133.46 | 3160.82 | -460.74 | -457.85 | 465.16 | 0.69 | 1432642.31 | 3191028.12 | 40.518972 | -104.812895 |
| | 3329.00 | 15.44 | 129.59 | 3247.43 | -478.86 | -474.06 | 483.44 | 1.37 | 1432626.25 | 3191046.52 | 40.518928 | -104.812829 |
| | 3419.00 | 15.64 | 132.38 | 3334.15 | -496.91 | -489.87 | 501.63 | 0.86 | 1432610.58 | 3191064.84 | 40.518884 | -104.812764 |
| | 3509.00 | 16.13 | 129.31 | 3420.71 | -515.39 | -505.97 | 520.27 | 1.08 | 1432594.62 | 3191083.60 | 40.518840 | -104.812697 |
| | 3598.00 | 15.75 | 130.92 | 3506.29 | -533.93 | -521.71 | 538.96 | 0.66 | 1432579.03 | 3191102.41 | 40.518797 | -104.812630 |
| | 3688.00 | 16.28 | 132.04 | 3592.80 | -552.37 | -538.16 | 557.56 | 0.68 | 1432562.72 | 3191121.14 | 40.518752 | -104.812563 |
| | 3777.00 | 16.70 | 130.63 | 3678.13 | -571.17 | -554.84 | 576.53 | 0.65 | 1432546.19 | 3191140.23 | 40.518706 | -104.812494 |
| | 3867.00 | 17.28 | 131.09 | 3764.21 | -590.90 | -572.05 | 596.42 | 0.66 | 1432529.14 | 3191160.25 | 40.518659 | -104.812423 |
| | 3957.00 | 16.57 | 130.88 | 3850.31 | -610.51 | -589.23 | 616.19 | 0.79 | 1432512.11 | 3191180.16 | 40.518612 | -104.812352 |
| | 4047.00 | 17.01 | 132.56 | 3936.47 | -629.74 | -606.53 | 635.59 | 0.73 | 1432494.96 | 3191199.69 | 40.518564 | -104.812282 |
| | 4136.00 | 17.75 | 132.55 | 4021.41 | -649.15 | -624.51 | 655.18 | 0.83 | 1432477.13 | 3191219.41 | 40.518515 | -104.812212 |
| | 4226.00 | 16.87 | 132.35 | 4107.33 | -668.74 | -642.59 | 674.93 | 0.98 | 1432459.21 | 3191239.31 | 40.518465 | -104.812140 |
| | 4315.00 | 16.64 | 132.75 | 4192.55 | -687.47 | -659.94 | 693.84 | 0.29 | 1432442.01 | 3191258.35 | 40.518418 | -104.812072 |
| | 4405.00 | 16.19 | 131.36 | 4278.88 | -706.18 | -676.98 | 712.72 | 0.66 | 1432425.11 | 3191277.36 | 40.518371 | -104.812005 |
| | 4495.00 | 15.89 | 131.32 | 4365.38 | -724.70 | -693.40 | 731.39 | 0.33 | 1432408.83 | 3191296.15 | 40.518326 | -104.811937 |
| | 4584.00 | 15.55 | 134.00 | 4451.05 | -742.27 | -709.73 | 749.12 | 0.90 | 1432392.64 | 3191314.01 | 40.518281 | -104.811874 |
| | 4674.00 | 15.71 | 131.03 | 4537.73 | -759.98 | -726.11 | 766.99 | 0.91 | 1432376.40 | 3191332.01 | 40.518236 | -104.811809 |
| | 4764.00 | 15.96 | 133.89 | 4624.31 | -777.93 | -742.69 | 785.10 | 0.91 | 1432359.96 | 3191350.24 | 40.518190 | -104.811744 |
| | 4853.00 | 15.55 | 132.48 | 4709.97 | -795.39 | -759.23 | 802.71 | 0.63 | 1432343.56 | 3191367.98 | 40.518145 | -104.811681 |
| | 4943.00 | 14.66 | 132.84 | 4796.86 | -812.48 | -775.12 | 819.96 | 0.99 | 1432327.81 | 3191385.35 | 40.518101 | -104.811619 |
| | 5033.00 | 14.48 | 133.12 | 4883.96 | -828.90 | -790.56 | 836.53 | 0.21 | 1432312.50 | 3191402.04 | 40.518059 | -104.811559 |
| | 5122.00 | 15.27 | 134.29 | 4969.98 | -845.26 | -806.34 | 853.04 | 0.95 | 1432296.84 | 3191418.67 | 40.518016 | -104.811500 |
| | 5212.00 | 15.17 | 133.85 | 5056.82 | -862.08 | -822.78 | 870.01 | 0.17 | 1432280.54 | 3191435.77 | 40.517971 | -104.811439 |
| | 5302.00 | 15.07 | 134.25 | 5143.71 | -878.79 | -839.10 | 886.89 | 0.16 | 1432264.35 | 3191452.77 | 40.517926 | -104.811378 |
| | 5392.00 | 14.68 | 133.61 | 5230.69 | -895.27 | -855.13 | 903.52 | 0.47 | 1432248.45 | 3191469.53 | 40.517882 | -104.811318 |
| | 5481.00 | 15.21 | 134.43 | 5316.68 | -911.62 | -871.08 | 920.03 | 0.64 | 1432232.62 | 3191486.15 | 40.517838 | -104.811259 |
| | 5570.00 | 14.96 | 133.40 | 5402.61 | -928.15 | -887.15 | 936.71 | 0.41 | 1432216.69 | 3191502.96 | 40.517794 | -104.811199 |
| | 5660.00 | 14.92 | 134.84 | 5489.57 | -944.65 | -903.30 | 953.37 | 0.41 | 1432200.67 | 3191519.74 | 40.517750 | -104.811139 |
| | 5749.00 | 14.71 | 133.07 | 5575.61 | -960.88 | -919.09 | 969.75 | 0.56 | 1432185.00 | 3191536.24 | 40.517706 | -104.811080 |
| | 5839.00 | 15.12 | 131.44 | 5662.58 | -977.87 | -934.67 | 986.89 | 0.65 | 1432169.56 | 3191553.51 | 40.517663 | -104.811018 |
| | 5928.00 | 14.76 | 130.56 | 5748.57 | -995.04 | -949.72 | 1004.21 | 0.48 | 1432154.64 | 3191570.94 | 40.517622 | -104.810956 |
| | 6018.00 | 15.57 | 130.36 | 5835.44 | -1012.81 | -965.00 | 1022.12 | 0.90 | 1432139.50 | 3191588.97 | 40.517580 | -104.810892 |
| | 6107.00 | 15.56 | 132.26 | 5921.17 | -1030.59 | -980.76 | 1040.06 | 0.57 | 1432123.88 | 3191607.02 | 40.517537 | -104.810827 |
| | 6197.00 | 15.57 | 131.63 | 6007.87 | -1048.40 | -996.90 | 1058.02 | 0.19 | 1432107.88 | 3191625.11 | 40.517493 | -104.810763 |
| | 6286.00 | 15.60 | 131.31 | 6093.60 | -1066.17 | -1012.74 | 1075.94 | 0.10 | 1432092.18 | 3191643.15 | 40.517449 | -104.810698 |
| | 6376.00 | 15.51 | 131.29 | 6180.31 | -1084.14 | -1028.67 | 1094.07 | 0.10 | 1432076.39 | 3191661.40 | 40.517405 | -104.810633 |
| | 6465.00 | 15.50 | 131.86 | 6266.07 | -1101.79 | -1044.45 | 1111.87 | 0.17 | 1432060.75 | 3191679.32 | 40.517362 | -104.81056 |

| Comments | MD (ft) | Incl (°) | Azim True (°) | TVD (ft) | VSEC (ft) | NS (ft) | EW (ft) | DLS (°/100ft) | Northing (ftUS) | Easting (ftUS) | Latitude (°) | Longitude (°) |
|----------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-----------------|------------------|
| | 6644.00 | 15.39 | 130.42 | 6438.66 | -1137.28 | -1075.61 | 1147.66 | 0.18 | 1432029.87 | 3191715.35 | 40.517277 | -104.810440 |
| | 6734.00 | 14.70 | 134.47 | 6525.58 | -1154.37 | -1091.35 | 1164.90 | 1.40 | 1432014.26 | 3191732.71 | 40.517233 | -104.810378 |
| | 6823.00 | 9.91 | 181.72 | 6612.71 | -1162.07 | -1106.96 | 1172.75 | 12.07 | 1431998.71 | 3191740.68 | 40.517190 | -104.810350 |
| | 6912.00 | 10.27 | 207.09 | 6700.38 | -1158.08 | -1121.69 | 1168.90 | 4.97 | 1431983.96 | 3191736.95 | 40.517150 | -104.810364 |
| | 7002.00 | 15.64 | 207.26 | 6788.06 | -1148.69 | -1139.63 | 1159.69 | 5.97 | 1431965.95 | 3191727.87 | 40.517101 | -104.810397 |
| | 7092.00 | 20.36 | 238.06 | 6873.82 | -1129.62 | -1158.75 | 1140.79 | 11.62 | 1431946.68 | 3191709.13 | 40.517048 | -104.810465 |
| | 7181.00 | 28.43 | 253.53 | 6954.89 | -1095.94 | -1172.98 | 1107.25 | 11.50 | 1431932.19 | 3191675.70 | 40.517009 | -104.810586 |
| | 7271.00 | 30.68 | 253.20 | 7033.17 | -1053.29 | -1185.70 | 1064.72 | 2.51 | 1431919.15 | 3191633.27 | 40.516974 | -104.810739 |
| | 7360.00 | 38.49 | 258.38 | 7106.40 | -1004.22 | -1197.86 | 1015.77 | 9.37 | 1431906.61 | 3191584.41 | 40.516941 | -104.810915 |
| | 7450.00 | 46.87 | 261.45 | 7172.52 | -944.10 | -1208.40 | 955.74 | 9.59 | 1431895.60 | 3191524.48 | 40.516912 | -104.811131 |
| | 7539.00 | 52.57 | 261.05 | 7230.03 | -876.92 | -1218.74 | 888.66 | 6.41 | 1431884.75 | 3191457.48 | 40.516884 | -104.811372 |
| | 7629.00 | 59.62 | 260.55 | 7280.20 | -803.13 | -1230.69 | 814.98 | 7.85 | 1431872.23 | 3191383.89 | 40.516851 | -104.811637 |
| | 7718.00 | 68.64 | 262.46 | 7319.00 | -723.89 | -1242.45 | 735.85 | 10.32 | 1431859.85 | 3191304.86 | 40.516819 | -104.811921 |
| | 7808.00 | 76.83 | 265.14 | 7345.69 | -638.44 | -1251.68 | 650.49 | 9.53 | 1431849.97 | 3191219.58 | 40.516793 | -104.812228 |
| | 7897.00 | 80.77 | 265.77 | 7362.98 | -551.37 | -1258.59 | 563.48 | 4.48 | 1431842.38 | 3191132.62 | 40.516774 | -104.812541 |
| | 7986.00 | 88.92 | 272.99 | 7370.98 | -462.86 | -1259.52 | 474.98 | 12.21 | 1431840.77 | 3191044.13 | 40.516772 | -104.812860 |
| | 8076.00 | 88.56 | 271.42 | 7372.96 | -372.99 | -1256.05 | 385.07 | 1.79 | 1431843.54 | 3190954.20 | 40.516781 | -104.813183 |
| | 8165.00 | 90.18 | 271.34 | 7373.94 | -284.05 | -1253.91 | 296.10 | 1.82 | 1431845.00 | 3190865.23 | 40.516787 | -104.813503 |
| | 8255.00 | 90.41 | 268.93 | 7373.47 | -194.07 | -1253.70 | 206.11 | 2.69 | 1431844.51 | 3190775.24 | 40.516788 | -104.813827 |
| | 8345.00 | 90.94 | 269.15 | 7372.41 | -104.07 | -1255.21 | 116.13 | 0.64 | 1431842.31 | 3190685.28 | 40.516784 | -104.814150 |
| | 8434.00 | 91.30 | 268.98 | 7370.67 | -15.09 | -1256.66 | 27.16 | 0.45 | 1431840.17 | 3190596.32 | 40.516780 | -104.814470 |
| | 8523.00 | 93.05 | 269.25 | 7367.29 | 73.84 | -1258.03 | -61.76 | 1.99 | 1431838.11 | 3190507.42 | 40.516776 | -104.814790 |
| | 8613.00 | 92.95 | 269.41 | 7362.58 | 163.71 | -1259.08 | -151.63 | 0.21 | 1431836.36 | 3190417.56 | 40.516773 | -104.815113 |
| | 8702.00 | 92.77 | 268.80 | 7358.14 | 252.60 | -1260.47 | -240.51 | 0.71 | 1431834.29 | 3190328.70 | 40.516769 | -104.815433 |
| | 8792.00 | 91.75 | 269.79 | 7354.59 | 342.53 | -1261.58 | -330.43 | 1.58 | 1431832.49 | 3190238.79 | 40.516766 | -104.815756 |
| | 8881.00 | 90.95 | 269.48 | 7352.50 | 431.50 | -1262.14 | -419.41 | 0.96 | 1431831.23 | 3190149.83 | 40.516765 | -104.816076 |
| | 8971.00 | 90.95 | 269.30 | 7351.01 | 521.49 | -1263.10 | -509.39 | 0.20 | 1431829.58 | 3190059.86 | 40.516762 | -104.816400 |
| | 9060.00 | 90.88 | 269.53 | 7349.58 | 610.48 | -1264.01 | -598.37 | 0.27 | 1431827.98 | 3189970.89 | 40.516759 | -104.816720 |
| | 9150.00 | 90.89 | 269.21 | 7348.19 | 700.47 | -1265.00 | -688.36 | 0.36 | 1431826.30 | 3189880.92 | 40.516757 | -104.817044 |
| | 9239.00 | 90.96 | 269.29 | 7346.76 | 789.46 | -1266.17 | -777.34 | 0.12 | 1431824.45 | 3189791.95 | 40.516754 | -104.817364 |
| | 9329.00 | 91.00 | 269.17 | 7345.22 | 879.44 | -1267.38 | -867.32 | 0.14 | 1431822.54 | 3189701.99 | 40.516750 | -104.817687 |
| | 9418.00 | 91.00 | 269.58 | 7343.66 | 968.43 | -1268.35 | -956.30 | 0.46 | 1431820.88 | 3189613.02 | 40.516748 | -104.818007 |
| | 9507.00 | 91.30 | 269.82 | 7341.88 | 1057.41 | -1268.81 | -1045.28 | 0.43 | 1431819.73 | 3189524.05 | 40.516746 | -104.818327 |
| | 9597.00 | 91.04 | 269.20 | 7340.04 | 1147.39 | -1269.58 | -1135.25 | 0.75 | 1431818.26 | 3189434.08 | 40.516744 | -104.818651 |
| | 9686.00 | 91.06 | 269.17 | 7338.41 | 1236.37 | -1270.85 | -1224.23 | 0.04 | 1431816.31 | 3189345.12 | 40.516741 | -104.818971 |
| | 9776.00 | 90.18 | 268.73 | 7337.44 | 1326.36 | -1272.50 | -1314.21 | 1.09 | 1431813.97 | 3189255.16 | 40.516736 | -104.819295 |
| | 9865.00 | 89.86 | 269.15 | 7337.40 | 1415.36 | -1274.14 | -1403.19 | 0.59 | 1431811.63 | 3189166.20 | 40.516732 | -104.819615 |
| | 9955.00 | 90.03 | 269.52 | 7337.49 | 1505.36 | -1275.19 | -1493.19 | 0.45 | 1431809.89 | 3189076.22 | 40.516729 | -104.819938 |
| | 10044.00 | 90.10 | 269.76 | 7337.39 | 1594.36 | -1275.75 | -1582.19 | 0.28 | 1431808.64 | 3188987.23 | 40.516727 | -104.820258 |
| | 10134.00 | 90.12 | 269.60 | 7337.22 | 1684.36 | -1276.25 | -1672.18 | 0.18 | 1431807.45 | 3188897.24 | 40.516726 | -104.820582 |
| | 10223.00 | 90.10 | 269.71 | 7337.05 | 1773.36 | -1276.78 | -1761.18 | 0.13 | 1431806.22 | 3188808.25 | 40.516724 | -104.820902 |
| | 10313.00 | 89.99 | 269.09 | 7336.98 | 1863.36 | -1277.73 | -1851.18 | 0.70 | 1431804.58 | 3188718.27 | 40.516722 | -104.821226 |
| | 10402.00 | 90.05 | 269.55 | 7336.94 | 1952.36 | -1278.78 | -1940.17 | 0.52 | 1431802.84 | 3188629.29 | 40.516719 | -104.821546 |
| | 10492.00 | 90.10 | 269.62 | 7336.83 | 2042.36 | -1279.44 | -2030.17 | 0.10 | 1431801.49 | 3188539.30 | 40.516717 | -104.821870 |
| | 10581.00 | 91.40 | 269.31 | 7335.66 | 2131.35 | -1280.27 | -2119.15 | 1.50 | 1431799.97 | 3188450.33 | 40.516715 | -104.822190 |
| | 10671.00 | 91.90 | 269.58 | 7333.07 | 2221.31 | -1281.14 | -2209.11 | 0.63 | 1431798.41 | 3188360.38 | 40.516712 | -104.822513 |
| | 10760.00 | 90.15 | 269.54 | 7331.48 | 2310.29 | -1281.82 | -2298.09 | 1.97 | 1431797.04 | 3188271.42 | 40.516710 | -104.822833 |
| | 10849.00 | 90.04 | 269.80 | 7331.33 | 2399.29 | -1282.33 | -2387.09 | 0.32 | 1431795.84 | 3188182.43 | 40.516709 | -104.823153 |
| | 10939.00 | 90.04 | 269.34 | 7331.27 | 2489.29 | -1283.01 | -2477.09 | 0.51 | 1431794.47 | 3188092.44 | 40.516707 | -104.823477 |
| | 11028.00 | 89.94 | 269.58 | 7331.28 | 2578.29 | -1283.85 | -2566.08 | 0.29 | 1431792.94 | 3188003.46 | 40.516705 | -104.823797 |
| | 11118.00 | 89.91 | 269.54 | 7331.40 | 2668.29 | -1284.54 | -2656.08 | 0.06 | 1431791.55 | 3187913.47 | 40.516703 | -104.824121 |
| | 11207.00 | 89.87 | 268.88 | 7331.57 | 2757.29 | -1285.77 | -2745.07 | 0.74 | 1431789.64 | 3187824.50 | 40.516699 | -104.824441 |
| | 11296.00 | 90.15 | 269.95 | 7331.56 | 2847.29 | -1286.69 | -2835.07 | 1.23 | 1431788.02 | 3187734.51 | 40.516697 | -104.824765 |
| | 11386.00 | 89.87 | 269.43 | 7331.54 | 2936.28 | -1287.17 | -2924.06 | 0.66 | 1431786.85 | 3187645.53 | 40.516695 | -104.825085 |
| | 11475.00 | 89.66 | 268.92 | 7331.91 | 3025.28 | -1288.45 | -3013.05 | 0.62 | 1431784.88 | 3187556.55 | 40.516692 | -104.825405 |
| | 11565.00 | 89.82 | 269.36 | 7332.31 | 3115.28 | -1289.80 | -3103.04 | 0.52 | 1431782.84 | 3187466.58 | 40.516688 | -104.825728 |
| | 11655.00 | 89.80 | 269.26 | 7332.61 | 3205.28 | -1290.88 | -3193.04 | 0.11 | 1431781.06 | 3187376.60 | 40.516685 | -104.826052 |
| | 11744.00 | 89.86 | 269.41 | 7332.88 | 3294.28 | -1291.92 | -3282.03 | 0.18 | 1431779.34 | 3187287.62 | 40.516682 | -104.826372 |
| | 11834.00 | 89.94 | 269.35 | 7333.03 | 3384.28 | -1292.89 | -3372.02 | 0.11 | 1431777.67 | 3187197.64 | 40.516680 | -104.826696 |
| | 11924.00 | 90.38 | 269.81 | 7332.78 | 3474.28 | -1293.55 | -3462.02 | 0.71 | 1431776.31 | 3187107.65 | 40.516678 | -104.827019 |
| | 12014.00 | 90.28 | 269.49 | 7332.26 | 3564.28 | -1294.10 | -3552.02 | 0.37 | 1431775.07 | 3187017.67 | 40.516676 | -104.827343 |
| | 12103.00 | 90.14 | 269.66 | 7331.94 | 3653.27 | -1294.76 | -3641.01 | 0.25 | 1431773.72 | 3186928.68 | 40.516674 | -104.827663 |
| | 12193.00 | 90.32 | 269.94 | 7331.58 | 3743.27 | -1295.07 | -3731.01 | 0.37 | 1431772.71 | 3186838.69 | 40.516673 | -104.827987 |
| | 12283.00 | 90.13 | 269.48 | 7331.22 | 3833.27 | -1295.53 | -3821.01 | 0.55 | 1431771.56 | 3186748.70 | 40.516672 | -104.828311 |
| | 12372.00 | 90.29 | 269.81 | 7330.90 | 3922.27 | -1296.08 | -3910.01 | 0.41 | 1431770.32 | 3186659.71 | 40.516671 | -104.828631 |
| | 12462.00 | 90.37 | 270.07 | 7330.38 | 4012.26 | -1296.17 | -4000.01 | 0.30 | 1431769.53 | 3186569.72 | 40.516670 | -104.828954 |
| | 12552.00 | 90.33 | 269.94 | 7329.83 | 4102.26 | -1296.17 | -4090.00 | 0.15 | 1431768.84 | 3186479.73 | 40.516670 | -104.829278 |
| | 12641.00 | 90.31 | 269.90 | 7329.33 | 4191.25 | -1296.29 | -4179.00 | 0.05 | 1431768.03 | 3186390.74 | 40.516670 | -104.829598 |
| | 12730.00 | 90.25 | 269.48 | 7328.90 | 4280.25 | -1296.77 | -4268.00 | 0.48 | 1431766.86 | 3186301.75 | 40.516669 | -104.829918 |
| | 12819.00 | 92.13 | 270.31 | 7327.05 | 4369.23 | -1296.94 | -4356.98 | 2.31 | 1431766.01 | 3186212.78 | 40.516668 | -104.830238 |
| | 12909.00 | 92.20 | 269.54 | 7323.65 | 4459.16 | -1297.05 | -4446.91 | 0.86 | 1431765.20 | 3186122.85 | 40.516668 | -104.830562 |
| | 12999.00 | 92.23 | 269.52 | 7320.17 | 4549.09 | -1297.79 | -4536.84 | 0.04 | 1431763.76 | 3186032.93 | 40.516666 | -104.830885 |
| | 13088.00 | 92.35 | 270.03 | 7316.61 | 4638.02 | -1298.14 | -4625.77 | 0.59 | 1431762.73 | 3185944.01 | 40.516665 | -104.831205 |
| | 13178.00 | 90.75 | 269.74 | 7314.18 | 4727.98 | -1298.32 | -4715.73 | 1.81 | 1431761.85 | 3185854.06 | 40.516664 | -104.831529 |
| | 13267.00 | 90.15 | 269.64 | 7313.48 | 4816.97 | -1298.80 | -4804.73 | 0.68 | 1431760.68 | 3185765.07 | 40.516663 | -104.831849 |
| | 13357.00 | 90.08 | 270.39 | 7313.30 | 4906.97 | -1298.78 | -4894.73 | 0.84 | 1431760.01 | 3185675.08 | 40.516663 | -104.832172 |
| | 13447.00 | 90.21 | 269.54 | 7313.07 | 4996.96 | -1298.83 | -4984.73 | 0.96 | 1431759.26 | 3185585.09 | 40.516663 | -104.832496 |
| | 13536.00 | 90.08 | 269.47 | 7312.85 | 50 | | | | | | | |

| Comments | MD (ft) | Incl (°) | Azim True (°) | TVD (ft) | VSEC (ft) | NS (ft) | EW (ft) | DLS (°/100ft) | Northing (ftUS) | Easting (ftUS) | Latitude (°) | Longitude (°) |
|----------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-----------------|------------------|
|----------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-----------------|------------------|

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

| Description | Part | MD From (ft) | MD To (ft) | EOU Freq (ft) | Hole Size Casing Diameter (in) | Survey Tool Type | Borehole / Survey |
|-------------|------|-----------------|---------------|------------------|-----------------------------------|-------------------------------|--|
| | 1 | 0.000 | 25.000 | 1/98.425 | 13.500 | 9.625 NAL_MWD_IFR1-Depth Only | Original Hole / Golden Eagle 25C-1-M IFR 0' to 15602' Definitive |
| | 1 | 25.000 | 25.000 | Act Stns | 13.500 | 9.625 NAL_MWD_IFR1-Depth Only | Original Hole / Golden Eagle 25C-1-M IFR 0' to 15602' Definitive |
| | 1 | 25.000 | 1840.000 | Act Stns | 13.500 | 9.625 NAL_MWD_IFR1 | Original Hole / Golden Eagle 25C-1-M IFR 0' to 15602' Definitive |
| | 1 | 1840.000 | 15602.000 | Act Stns | 8.500 | 5.500 NAL_MWD_IFR1+MS | Original Hole / Golden Eagle 25C-1-M IFR 0' to 15602' Definitive |



SRC Energy

Schlumberger

| | | | |
|---------------|----------------------|-----------------------------------|--|
| Borehole: | Well: | Field: | Structure: |
| Original Hole | Golden Eagle 25C-1-M | CO, Weld County (NAD 83 NZ) - SRC | SRC Energy 06-06N-66W (Golden Eagle 1-6 Pad) |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------------|--|------|--------|--|------------------|----------------------------|--|------|----------------|--|--|----------------|--|-------------|------------|--|---------------|--|--|----------|---------------------------|--|
| Gravity & Magnetic Parameters | | | | | | Surface Location | | | | | | NAD83 Colorado State Plane, Northern Zone, US Feet | | | | | | Miscellaneous | | | | | |
| Model: | Magvar IFR | | Dip: | 66.89° | | Date: | 04-Aug-2019 | | Lat: | N 40 31 12.82 | | Northing: | 1433096.54ftUS | | Grid Conv: | 0.4429° | | Slot: | Golden Eagle 25C-1-M | | TVD Ref: | KB 25ft(4989ft above MSL) | |
| MagDec: | 7.59° | | FS: | 52428T | | Gravity FS: | 999.046mgn (9.80665 Based) | | Lon: | W 104 48 52.44 | | Easting: | 3190559.45ftUS | | Scale Fact: | 0.99996788 | | Plan: | Golden Eagle 25C-1-M IFR 0' to 15602' Definitive | | | | |

Final PvA

