



END OF WELL REPORT

Prepared For:

**Kerr-McGee Oil & Gas Onshore LP
PARAGON 16-6HZ PAD
PARAGON 40C-31HZ
WELD COUNTY, COLORADO**

***Prepared By
Shawn DeVerse, Denver Well Planner
Scientific Drilling
Rocky Mountain Region***

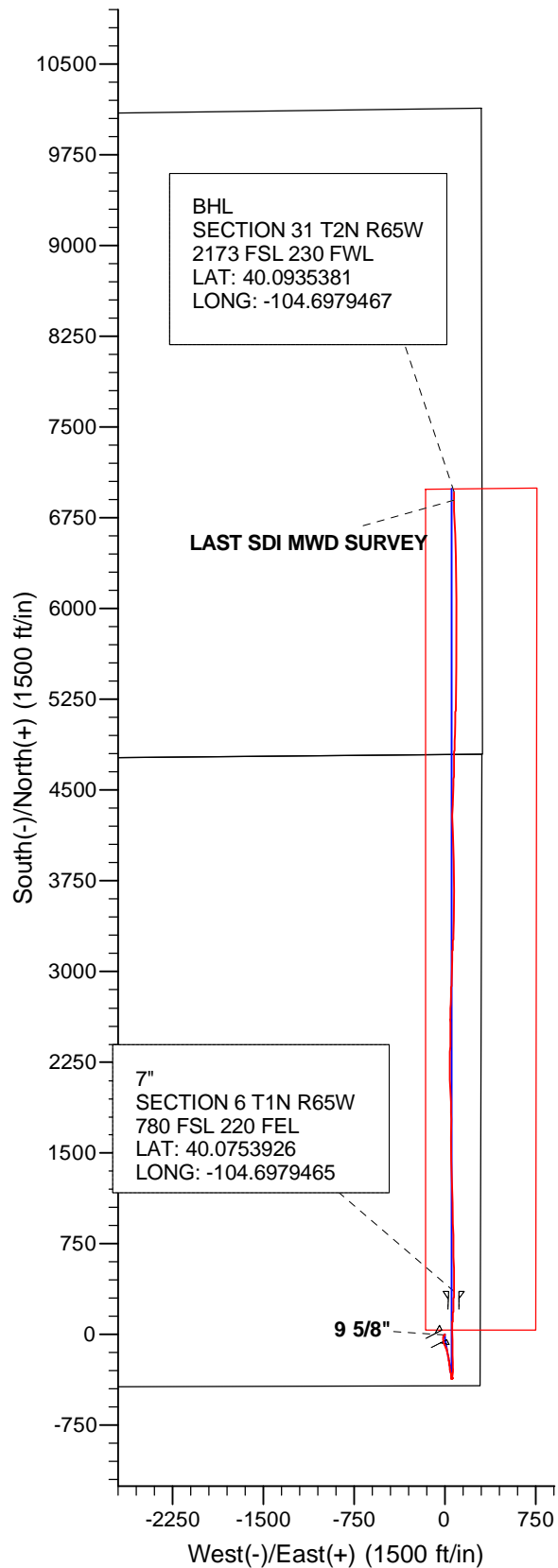
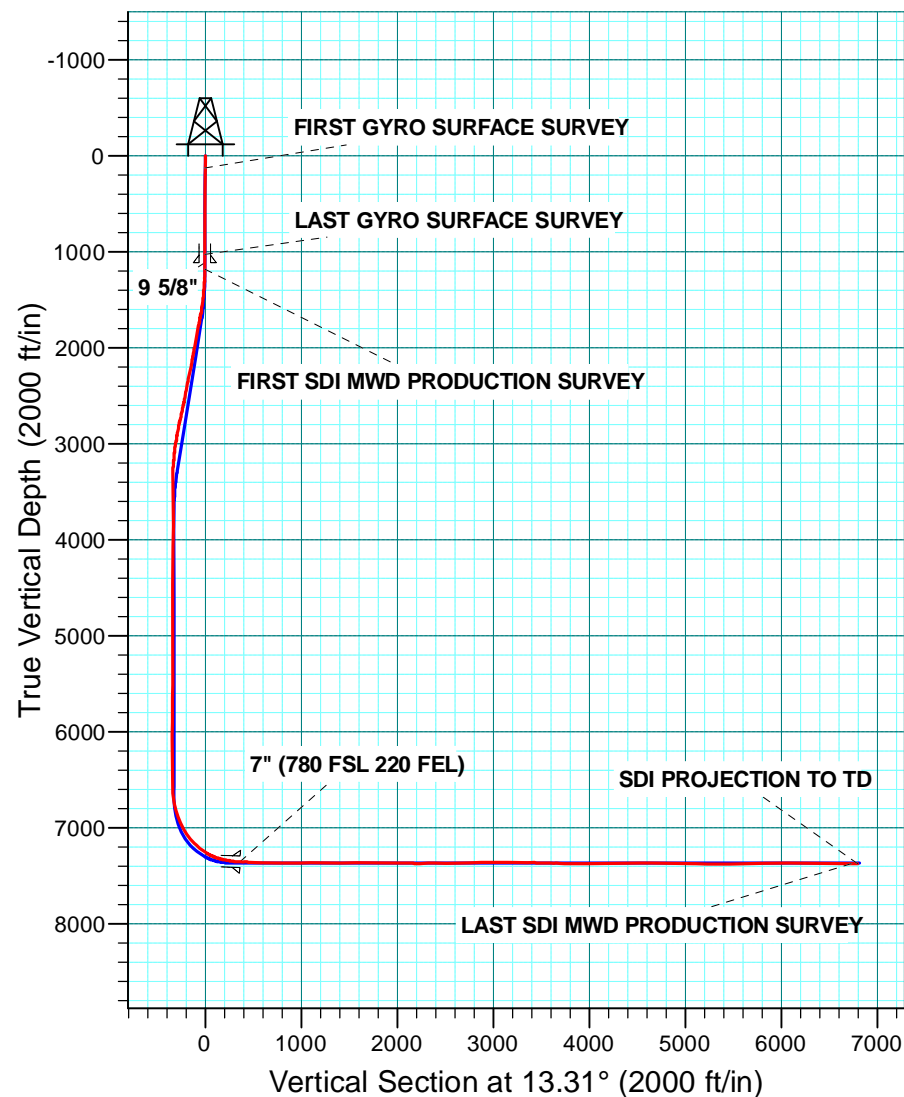
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(307) 472-6621
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| WELL DETAILS: PARAGON 40C-31HZ | | | | | |
|--------------------------------------|-------|------------|------------|------------|--------------|
| GL 4975 & KB 25 @ 5000.00ft (HP 311) | | | | | |
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| 0.00 | 0.00 | 1270968.39 | 3224375.35 | 40.0744139 | -104.6982130 |



US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

PARAGON 16-6HZ PAD

PARAGON 40C-31HZ

OH

Design: OH

Standard Survey Report

13 January, 2014

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well PARAGON 40C-31HZ |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Site: | PARAGON 16-6HZ PAD | MD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Well: | PARAGON 40C-31HZ | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | COLORADO NORTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| Site | | | | | | PARAGON 16-6HZ PAD, SESE SECTION 6 T1N R65W | | | | | | | | | | | |
|-----------------------|--|--|-----------|--|--|---|--|--|-------------------|--|--|-------------------|--|--|--------------|--|--|
| Site Position: | | | Northing: | | | 1,270,968.13 usft | | | Latitude: | | | 40.0744140 | | | | | |
| From: | | | Lat/Long | | | Easting: | | | 3,224,345.41 usft | | | Longitude: | | | -104.6983200 | | |
| Position Uncertainty: | | | 0.00 ft | | | Slot Radius: | | | 13.200 in | | | Grid Convergence: | | | 0.52 ° | | |

| | | | | | | |
|----------------------|-----------------------------------|---------|---------------------|-------------------|---------------|--------------|
| Well | PARAGON 40C-31HZ, 422 FSL 300 FEL | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 1,270,968.39 usft | Latitude: | 40.0744140 |
| | +E/-W | 0.00 ft | Easting: | 3,224,375.35 usft | Longitude: | -104.6982130 |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | 0.00 ft | Ground Level: | 4,975.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | BGGM2013 | 12/22/2013 | 8.50 | 66.70 | 52,622 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 13.31 | |

| | | | | | |
|-----------------------|----------------|-----------------------------------|-------------------|--|--|
| Survey Program | Date | 1/13/2014 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 25.00 | 1,025.00 | Survey #1 MS GYRO SURFACE (OH) | NS-GYRO-MS | North sensing gyrocompassing m/s | |
| 1,178.00 | 14,409.00 | Survey #2 SDI MWD PRODUCTION (OH) | SDI_MWD+CRUST_1.0 | SDI MWD + Crustal anomaly, Version 1.0 | |

| | | | | | | | | | | |
|----------------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| Survey | | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 125.00 | 0.54 | 207.73 | 125.00 | -0.42 | -0.22 | -0.46 | 0.54 | 0.54 | 0.00 | |
| FIRST GYRO SURFACE SURVEY | | | | | | | | | | |
| 225.00 | 0.45 | 208.67 | 224.99 | -1.18 | -0.63 | -1.29 | 0.09 | -0.09 | 0.94 | |
| 325.00 | 0.49 | 224.89 | 324.99 | -1.83 | -1.12 | -2.03 | 0.14 | 0.04 | 16.22 | |
| 425.00 | 0.27 | 235.00 | 424.99 | -2.26 | -1.61 | -2.57 | 0.23 | -0.22 | 10.11 | |
| 525.00 | 0.06 | 199.48 | 524.99 | -2.45 | -1.82 | -2.80 | 0.22 | -0.21 | -35.52 | |
| 625.00 | 0.14 | 200.72 | 624.99 | -2.61 | -1.88 | -2.98 | 0.08 | 0.08 | 1.24 | |
| 725.00 | 0.12 | 59.57 | 724.99 | -2.67 | -1.84 | -3.02 | 0.25 | -0.02 | -141.15 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well PARAGON 40C-31HZ |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Site: | PARAGON 16-6HZ PAD | MD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Well: | PARAGON 40C-31HZ | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 825.00 | 0.11 | 20.15 | 824.99 | -2.53 | -1.71 | -2.86 | 0.08 | -0.01 | -39.42 |
| 925.00 | 0.17 | 206.96 | 924.99 | -2.57 | -1.75 | -2.91 | 0.28 | 0.06 | -173.19 |
| 1,025.00 | 0.21 | 186.65 | 1,024.99 | -2.89 | -1.84 | -3.23 | 0.08 | 0.04 | -20.31 |
| LAST GYRO SURFACE SURVEY | | | | | | | | | |
| 1,112.00 | 0.10 | 62.38 | 1,111.99 | -3.01 | -1.79 | -3.34 | 0.32 | -0.13 | -142.84 |
| 9 5/8" | | | | | | | | | |
| 1,178.00 | 0.29 | 35.38 | 1,177.99 | -2.85 | -1.64 | -3.15 | 0.32 | 0.29 | -40.91 |
| FIRST SDI MWD PRODUCTION SURVEY | | | | | | | | | |
| 1,270.00 | 2.27 | 219.27 | 1,269.97 | -4.07 | -2.66 | -4.57 | 2.78 | 2.15 | -191.42 |
| 1,362.00 | 4.48 | 208.78 | 1,361.80 | -8.63 | -5.55 | -9.68 | 2.48 | 2.40 | -11.40 |
| 1,453.00 | 6.01 | 207.25 | 1,452.42 | -15.98 | -9.44 | -17.73 | 1.69 | 1.68 | -1.68 |
| 1,544.00 | 7.96 | 193.13 | 1,542.74 | -26.35 | -13.05 | -28.65 | 2.84 | 2.14 | -15.52 |
| 1,657.00 | 10.45 | 177.13 | 1,654.30 | -44.22 | -14.32 | -46.32 | 3.14 | 2.20 | -14.16 |
| 1,749.00 | 12.86 | 162.08 | 1,744.42 | -62.30 | -10.75 | -63.10 | 4.20 | 2.62 | -16.36 |
| 1,840.00 | 13.38 | 157.70 | 1,833.04 | -81.67 | -3.64 | -80.32 | 1.23 | 0.57 | -4.81 |
| 1,932.00 | 13.42 | 153.27 | 1,922.54 | -101.06 | 5.21 | -97.15 | 1.12 | 0.04 | -4.82 |
| 2,023.00 | 12.87 | 157.31 | 2,011.16 | -119.84 | 13.87 | -113.43 | 1.18 | -0.60 | 4.44 |
| 2,115.00 | 11.69 | 166.36 | 2,101.06 | -138.35 | 20.02 | -130.03 | 2.45 | -1.28 | 9.84 |
| 2,206.00 | 12.76 | 170.38 | 2,190.00 | -157.22 | 23.87 | -147.50 | 1.50 | 1.18 | 4.42 |
| 2,297.00 | 12.58 | 170.52 | 2,278.78 | -176.90 | 27.18 | -165.90 | 0.20 | -0.20 | 0.15 |
| 2,389.00 | 11.67 | 171.27 | 2,368.73 | -195.98 | 30.24 | -183.76 | 1.00 | -0.99 | 0.82 |
| 2,481.00 | 11.19 | 168.25 | 2,458.90 | -213.92 | 33.47 | -200.47 | 0.83 | -0.52 | -3.28 |
| 2,573.00 | 11.50 | 174.68 | 2,549.11 | -231.79 | 36.14 | -217.25 | 1.41 | 0.34 | 6.99 |
| 2,664.00 | 13.65 | 172.24 | 2,637.92 | -251.47 | 38.43 | -235.86 | 2.43 | 2.36 | -2.68 |
| 2,756.00 | 13.12 | 175.14 | 2,727.42 | -272.63 | 40.78 | -255.92 | 0.93 | -0.58 | 3.15 |
| 2,848.00 | 12.36 | 168.09 | 2,817.16 | -292.67 | 43.70 | -274.75 | 1.88 | -0.83 | -7.66 |
| 2,939.00 | 11.66 | 163.42 | 2,906.17 | -311.01 | 48.34 | -291.53 | 1.32 | -0.77 | -5.13 |
| 3,031.00 | 10.21 | 172.79 | 2,996.51 | -328.01 | 52.01 | -307.23 | 2.49 | -1.58 | 10.18 |
| 3,122.00 | 6.93 | 177.09 | 3,086.48 | -341.50 | 53.30 | -320.06 | 3.67 | -3.60 | 4.73 |
| 3,214.00 | 5.46 | 152.74 | 3,177.96 | -350.94 | 55.59 | -328.71 | 3.24 | -1.60 | -26.47 |
| 3,306.00 | 3.25 | 132.46 | 3,269.69 | -356.59 | 59.52 | -333.31 | 2.89 | -2.40 | -22.04 |
| 3,397.00 | 0.29 | 64.00 | 3,360.64 | -358.23 | 61.63 | -334.42 | 3.47 | -3.25 | -75.23 |
| 3,489.00 | 0.99 | 350.90 | 3,452.63 | -357.34 | 61.71 | -333.54 | 1.03 | 0.76 | -79.46 |
| 3,580.00 | 1.29 | 344.98 | 3,543.61 | -355.58 | 61.32 | -331.91 | 0.35 | 0.33 | -6.51 |
| 3,672.00 | 0.57 | 351.52 | 3,635.60 | -354.13 | 60.99 | -330.57 | 0.79 | -0.78 | 7.11 |
| 3,763.00 | 0.44 | 354.94 | 3,726.60 | -353.33 | 60.89 | -329.82 | 0.15 | -0.14 | 3.76 |
| 3,855.00 | 0.61 | 353.19 | 3,818.59 | -352.49 | 60.80 | -329.03 | 0.19 | 0.18 | -1.90 |
| 3,947.00 | 1.07 | 202.37 | 3,910.59 | -352.80 | 60.42 | -329.41 | 1.77 | 0.50 | -163.94 |
| 4,038.00 | 1.12 | 185.34 | 4,001.57 | -354.47 | 60.01 | -331.13 | 0.36 | 0.05 | -18.71 |
| 4,130.00 | 1.06 | 173.74 | 4,093.56 | -356.21 | 60.02 | -332.83 | 0.25 | -0.07 | -12.61 |
| 4,222.00 | 0.71 | 153.95 | 4,185.55 | -357.57 | 60.36 | -334.07 | 0.50 | -0.38 | -21.51 |
| 4,316.00 | 1.09 | 140.69 | 4,279.53 | -358.78 | 61.18 | -335.06 | 0.46 | 0.40 | -14.11 |
| 4,410.00 | 1.00 | 144.98 | 4,373.52 | -360.15 | 62.22 | -336.15 | 0.13 | -0.10 | 4.56 |
| 4,505.00 | 1.44 | 118.31 | 4,468.50 | -361.39 | 63.75 | -337.01 | 0.74 | 0.46 | -28.07 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
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| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Site: | PARAGON 16-6HZ PAD | MD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Well: | PARAGON 40C-31HZ | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,599.00 | 0.93 | 137.88 | 4,562.48 | -362.52 | 65.30 | -337.75 | 0.69 | -0.54 | 20.82 |
| 4,694.00 | 0.95 | 242.59 | 4,657.47 | -363.45 | 65.12 | -338.70 | 1.57 | 0.02 | 110.22 |
| 4,788.00 | 1.04 | 272.31 | 4,751.46 | -363.78 | 63.57 | -339.37 | 0.55 | 0.10 | 31.62 |
| 4,882.00 | 0.82 | 287.83 | 4,845.44 | -363.54 | 62.08 | -339.48 | 0.35 | -0.23 | 16.51 |
| 4,977.00 | 0.65 | 314.33 | 4,940.44 | -362.95 | 61.05 | -339.15 | 0.40 | -0.18 | 27.89 |
| 5,071.00 | 1.26 | 339.69 | 5,034.42 | -361.61 | 60.31 | -338.01 | 0.77 | 0.65 | 26.98 |
| 5,165.00 | 1.98 | 330.96 | 5,128.39 | -359.22 | 59.16 | -335.95 | 0.81 | 0.77 | -9.29 |
| 5,260.00 | 0.81 | 326.90 | 5,223.36 | -357.22 | 58.00 | -334.28 | 1.24 | -1.23 | -4.27 |
| 5,354.00 | 0.96 | 249.21 | 5,317.35 | -356.95 | 56.90 | -334.26 | 1.19 | 0.16 | -82.65 |
| 5,449.00 | 1.35 | 230.65 | 5,412.33 | -357.94 | 55.29 | -335.60 | 0.56 | 0.41 | -19.54 |
| 5,543.00 | 1.70 | 218.70 | 5,506.30 | -359.73 | 53.56 | -337.74 | 0.50 | 0.37 | -12.71 |
| 5,638.00 | 0.70 | 249.81 | 5,601.27 | -361.03 | 52.14 | -339.33 | 1.22 | -1.05 | 32.75 |
| 5,732.00 | 0.56 | 220.02 | 5,695.27 | -361.58 | 51.30 | -340.06 | 0.37 | -0.15 | -31.69 |
| 5,826.00 | 0.59 | 181.26 | 5,789.26 | -362.42 | 51.00 | -340.94 | 0.41 | 0.03 | -41.23 |
| 5,921.00 | 0.51 | 136.85 | 5,884.26 | -363.21 | 51.27 | -341.65 | 0.44 | -0.08 | -46.75 |
| 6,015.00 | 0.92 | 138.17 | 5,978.25 | -364.08 | 52.06 | -342.32 | 0.44 | 0.44 | 1.40 |
| 6,110.00 | 1.35 | 118.12 | 6,073.23 | -365.18 | 53.56 | -343.04 | 0.61 | 0.45 | -21.11 |
| 6,204.00 | 1.76 | 105.56 | 6,167.20 | -366.09 | 55.93 | -343.38 | 0.56 | 0.44 | -13.36 |
| 6,299.00 | 1.56 | 29.88 | 6,262.17 | -365.36 | 57.98 | -342.20 | 2.15 | -0.21 | -79.66 |
| 6,393.00 | 1.69 | 23.83 | 6,356.13 | -362.98 | 59.17 | -339.61 | 0.23 | 0.14 | -6.44 |
| 6,488.00 | 1.67 | 19.72 | 6,451.09 | -360.39 | 60.21 | -336.85 | 0.13 | -0.02 | -4.33 |
| 6,582.00 | 1.24 | 13.35 | 6,545.06 | -358.11 | 60.90 | -334.48 | 0.49 | -0.46 | -6.78 |
| 6,677.00 | 1.28 | 347.78 | 6,640.04 | -356.08 | 60.92 | -332.49 | 0.59 | 0.04 | -26.92 |
| 6,724.00 | 5.88 | 359.64 | 6,686.93 | -353.16 | 60.79 | -329.68 | 9.86 | 9.79 | 25.23 |
| 6,771.00 | 11.11 | 8.40 | 6,733.40 | -346.26 | 61.44 | -322.82 | 11.43 | 11.13 | 18.64 |
| 6,818.00 | 12.12 | 14.39 | 6,779.44 | -337.00 | 63.32 | -313.37 | 3.34 | 2.15 | 12.74 |
| 6,865.00 | 15.82 | 5.41 | 6,825.05 | -325.84 | 65.16 | -302.09 | 9.10 | 7.87 | -19.11 |
| 6,912.00 | 20.73 | 3.11 | 6,869.67 | -311.15 | 66.21 | -287.55 | 10.56 | 10.45 | -4.89 |
| 6,960.00 | 23.01 | 2.77 | 6,914.21 | -293.29 | 67.13 | -269.96 | 4.76 | 4.75 | -0.71 |
| 7,007.00 | 25.08 | 359.91 | 6,957.13 | -274.15 | 67.55 | -251.24 | 5.05 | 4.40 | -6.09 |
| 7,054.00 | 27.53 | 356.83 | 6,999.26 | -253.34 | 66.94 | -231.13 | 5.97 | 5.21 | -6.55 |
| 7,101.00 | 31.68 | 354.06 | 7,040.12 | -230.21 | 65.06 | -209.05 | 9.30 | 8.83 | -5.89 |
| 7,148.00 | 37.48 | 356.95 | 7,078.80 | -203.63 | 63.02 | -183.65 | 12.82 | 12.34 | 6.15 |
| 7,195.00 | 41.27 | 0.06 | 7,115.13 | -173.84 | 62.27 | -154.83 | 9.09 | 8.06 | 6.62 |
| 7,242.00 | 44.89 | 359.84 | 7,149.45 | -141.74 | 62.24 | -123.61 | 7.71 | 7.70 | -0.47 |
| 7,289.00 | 48.90 | 359.75 | 7,181.56 | -107.43 | 62.12 | -90.25 | 8.53 | 8.53 | -0.19 |
| 7,337.00 | 51.85 | 359.45 | 7,212.17 | -70.47 | 61.86 | -54.33 | 6.16 | 6.15 | -0.63 |
| 7,384.00 | 54.78 | 359.07 | 7,240.25 | -32.78 | 61.37 | -17.78 | 6.27 | 6.23 | -0.81 |
| 7,431.00 | 58.66 | 359.31 | 7,266.03 | 6.50 | 60.82 | 20.32 | 8.27 | 8.26 | 0.51 |
| 7,478.00 | 64.15 | 2.00 | 7,288.52 | 47.74 | 61.31 | 60.57 | 12.71 | 11.68 | 5.72 |
| 7,526.00 | 69.91 | 3.54 | 7,307.25 | 91.86 | 63.46 | 104.00 | 12.36 | 12.00 | 3.21 |
| 7,573.00 | 74.97 | 3.92 | 7,321.42 | 136.56 | 66.38 | 148.17 | 10.79 | 10.77 | 0.81 |
| 7,620.00 | 78.52 | 2.56 | 7,332.20 | 182.23 | 68.96 | 193.21 | 8.06 | 7.55 | -2.89 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well PARAGON 40C-31HZ |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Site: | PARAGON 16-6HZ PAD | MD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Well: | PARAGON 40C-31HZ | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| Survey | | | | | | | | | |
|-----------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 7,667.00 | 80.23 | 2.17 | 7,340.87 | 228.38 | 70.87 | 238.56 | 3.73 | 3.64 | -0.83 |
| 7,714.00 | 82.87 | 1.81 | 7,347.77 | 274.84 | 72.48 | 284.14 | 5.67 | 5.62 | -0.77 |
| 7,751.00 | 84.79 | 2.04 | 7,351.75 | 311.60 | 73.71 | 320.20 | 5.23 | 5.19 | 0.62 |
| 7,796.00 | 87.42 | 0.16 | 7,354.80 | 356.48 | 74.57 | 364.08 | 7.19 | 5.85 | -4.19 |
| 7" (780 FSL 220 FEL) | | | | | | | | | |
| 7,805.00 | 87.95 | 359.78 | 7,355.17 | 365.48 | 74.57 | 372.83 | 7.19 | 5.86 | -4.17 |
| 7,897.00 | 88.42 | 0.21 | 7,358.08 | 457.43 | 74.56 | 462.31 | 0.69 | 0.51 | 0.47 |
| 7,988.00 | 88.59 | 359.52 | 7,360.45 | 548.40 | 74.35 | 550.78 | 0.78 | 0.19 | -0.76 |
| 8,080.00 | 88.86 | 359.13 | 7,362.50 | 640.37 | 73.26 | 640.03 | 0.52 | 0.29 | -0.42 |
| 8,171.00 | 89.23 | 359.11 | 7,364.02 | 731.34 | 71.87 | 728.24 | 0.41 | 0.41 | -0.02 |
| 8,263.00 | 89.36 | 359.08 | 7,365.15 | 823.33 | 70.41 | 817.42 | 0.15 | 0.14 | -0.03 |
| 8,355.00 | 89.77 | 359.05 | 7,365.85 | 915.31 | 68.91 | 906.59 | 0.45 | 0.45 | -0.03 |
| 8,447.00 | 90.74 | 358.50 | 7,365.44 | 1,007.29 | 66.94 | 995.64 | 1.21 | 1.05 | -0.60 |
| 8,538.00 | 90.77 | 357.14 | 7,364.24 | 1,098.21 | 63.48 | 1,083.33 | 1.49 | 0.03 | -1.49 |
| 8,630.00 | 90.67 | 358.03 | 7,363.08 | 1,190.12 | 59.61 | 1,171.88 | 0.97 | -0.11 | 0.97 |
| 8,721.00 | 89.26 | 358.06 | 7,363.14 | 1,281.07 | 56.50 | 1,259.66 | 1.55 | -1.55 | 0.03 |
| 8,813.00 | 88.93 | 358.97 | 7,364.59 | 1,373.02 | 54.12 | 1,348.60 | 1.05 | -0.36 | 0.99 |
| 8,904.00 | 89.66 | 0.10 | 7,365.71 | 1,464.01 | 53.38 | 1,436.98 | 1.48 | 0.80 | 1.24 |
| 8,996.00 | 91.31 | 359.76 | 7,364.93 | 1,556.00 | 53.27 | 1,526.47 | 1.83 | 1.79 | -0.37 |
| 9,088.00 | 90.44 | 0.63 | 7,363.53 | 1,647.99 | 53.58 | 1,616.06 | 1.34 | -0.95 | 0.95 |
| 9,179.00 | 90.07 | 359.24 | 7,363.12 | 1,738.99 | 53.48 | 1,704.59 | 1.58 | -0.41 | -1.53 |
| 9,271.00 | 88.96 | 358.90 | 7,363.90 | 1,830.97 | 51.98 | 1,793.76 | 1.26 | -1.21 | -0.37 |
| 9,362.00 | 90.07 | 358.18 | 7,364.67 | 1,921.94 | 49.67 | 1,881.75 | 1.45 | 1.22 | -0.79 |
| 9,454.00 | 90.64 | 358.11 | 7,364.10 | 2,013.89 | 46.69 | 1,970.54 | 0.62 | 0.62 | -0.08 |
| 9,546.00 | 87.95 | 357.51 | 7,365.23 | 2,105.80 | 43.17 | 2,059.18 | 3.00 | -2.92 | -0.65 |
| 9,637.00 | 87.82 | 359.22 | 7,368.59 | 2,196.70 | 40.58 | 2,147.04 | 1.88 | -0.14 | 1.88 |
| 9,729.00 | 91.04 | 1.65 | 7,369.51 | 2,288.67 | 41.28 | 2,236.70 | 4.38 | 3.50 | 2.64 |
| 9,821.00 | 91.18 | 1.79 | 7,367.73 | 2,380.61 | 44.04 | 2,326.81 | 0.22 | 0.15 | 0.15 |
| 9,912.00 | 88.39 | 358.99 | 7,368.07 | 2,471.59 | 44.66 | 2,415.49 | 4.34 | -3.07 | -3.08 |
| 10,004.00 | 89.26 | 0.41 | 7,369.95 | 2,563.57 | 44.18 | 2,504.88 | 1.81 | 0.95 | 1.54 |
| 10,098.00 | 91.92 | 2.74 | 7,368.99 | 2,657.51 | 46.76 | 2,596.90 | 3.76 | 2.83 | 2.48 |
| 10,193.00 | 91.61 | 2.12 | 7,366.06 | 2,752.38 | 50.78 | 2,690.15 | 0.73 | -0.33 | -0.65 |
| 10,287.00 | 90.71 | 1.08 | 7,364.16 | 2,846.33 | 53.41 | 2,782.17 | 1.46 | -0.96 | -1.11 |
| 10,381.00 | 90.57 | 2.08 | 7,363.11 | 2,940.28 | 56.00 | 2,874.20 | 1.07 | -0.15 | 1.06 |
| 10,476.00 | 91.51 | 2.17 | 7,361.38 | 3,035.20 | 59.52 | 2,967.38 | 0.99 | 0.99 | 0.09 |
| 10,570.00 | 90.17 | 1.78 | 7,360.01 | 3,129.13 | 62.76 | 3,059.53 | 1.48 | -1.43 | -0.41 |
| 10,664.00 | 91.27 | 3.34 | 7,358.82 | 3,223.03 | 66.96 | 3,151.87 | 2.03 | 1.17 | 1.66 |
| 10,758.00 | 88.59 | 0.97 | 7,358.94 | 3,316.95 | 70.49 | 3,244.08 | 3.81 | -2.85 | -2.52 |
| 10,853.00 | 88.72 | 0.79 | 7,361.17 | 3,411.91 | 71.95 | 3,336.83 | 0.23 | 0.14 | -0.19 |
| 10,947.00 | 88.99 | 1.07 | 7,363.05 | 3,505.88 | 73.48 | 3,428.63 | 0.41 | 0.29 | 0.30 |
| 11,041.00 | 89.33 | 0.87 | 7,364.43 | 3,599.85 | 75.07 | 3,520.44 | 0.42 | 0.36 | -0.21 |
| 11,136.00 | 87.52 | 359.53 | 7,367.04 | 3,694.81 | 75.40 | 3,612.93 | 2.37 | -1.91 | -1.41 |
| 11,230.00 | 89.26 | 359.75 | 7,369.68 | 3,788.77 | 74.81 | 3,704.22 | 1.87 | 1.85 | 0.23 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well PARAGON 40C-31HZ |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Site: | PARAGON 16-6HZ PAD | MD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Well: | PARAGON 40C-31HZ | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| Survey | | | | | | | | | |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,324.00 | 89.87 | 359.28 | 7,370.39 | 3,882.76 | 74.01 | 3,795.51 | 0.82 | 0.65 | -0.50 |
| 11,419.00 | 90.27 | 359.18 | 7,370.27 | 3,977.75 | 72.74 | 3,887.66 | 0.43 | 0.42 | -0.11 |
| 11,513.00 | 90.20 | 357.59 | 7,369.89 | 4,071.71 | 70.09 | 3,978.48 | 1.69 | -0.07 | -1.69 |
| 11,607.00 | 90.03 | 358.11 | 7,369.70 | 4,165.64 | 66.56 | 4,069.08 | 0.58 | -0.18 | 0.55 |
| 11,701.00 | 91.11 | 359.39 | 7,368.77 | 4,259.61 | 64.51 | 4,160.05 | 1.78 | 1.15 | 1.36 |
| 11,796.00 | 90.94 | 0.87 | 7,367.07 | 4,354.60 | 64.73 | 4,252.53 | 1.57 | -0.18 | 1.56 |
| 11,890.00 | 89.97 | 2.36 | 7,366.32 | 4,448.55 | 67.38 | 4,344.58 | 1.89 | -1.03 | 1.59 |
| 11,984.00 | 89.66 | 2.14 | 7,366.62 | 4,542.48 | 71.07 | 4,436.83 | 0.40 | -0.33 | -0.23 |
| 12,079.00 | 89.90 | 1.88 | 7,366.99 | 4,637.42 | 74.40 | 4,529.99 | 0.37 | 0.25 | -0.27 |
| 12,173.00 | 88.49 | 1.10 | 7,368.31 | 4,731.37 | 76.84 | 4,621.98 | 1.71 | -1.50 | -0.83 |
| 12,267.00 | 90.64 | 2.29 | 7,369.02 | 4,825.32 | 79.62 | 4,714.05 | 2.61 | 2.29 | 1.27 |
| 12,362.00 | 89.30 | 2.11 | 7,369.07 | 4,920.25 | 83.27 | 4,807.26 | 1.42 | -1.41 | -0.19 |
| 12,457.00 | 88.99 | 1.05 | 7,370.49 | 5,015.20 | 85.89 | 4,900.27 | 1.16 | -0.33 | -1.12 |
| 12,552.00 | 88.56 | 1.10 | 7,372.52 | 5,110.16 | 87.67 | 4,993.09 | 0.46 | -0.45 | 0.05 |
| 12,646.00 | 89.13 | 1.51 | 7,374.42 | 5,204.12 | 89.81 | 5,085.02 | 0.75 | 0.61 | 0.44 |
| 12,741.00 | 88.79 | 0.86 | 7,376.14 | 5,299.08 | 91.78 | 5,177.88 | 0.77 | -0.36 | -0.68 |
| 12,835.00 | 90.34 | 0.38 | 7,376.85 | 5,393.07 | 92.79 | 5,269.58 | 1.73 | 1.65 | -0.51 |
| 12,929.00 | 89.97 | 0.21 | 7,376.60 | 5,487.07 | 93.28 | 5,361.16 | 0.43 | -0.39 | -0.18 |
| 13,024.00 | 90.17 | 359.97 | 7,376.48 | 5,582.07 | 93.43 | 5,453.65 | 0.33 | 0.21 | -0.25 |
| 13,118.00 | 90.94 | 0.66 | 7,375.57 | 5,676.06 | 93.94 | 5,545.23 | 1.10 | 0.82 | 0.73 |
| 13,212.00 | 91.61 | 0.35 | 7,373.48 | 5,770.04 | 94.77 | 5,636.87 | 0.79 | 0.71 | -0.33 |
| 13,307.00 | 91.75 | 0.43 | 7,370.70 | 5,864.99 | 95.42 | 5,729.43 | 0.17 | 0.15 | 0.08 |
| 13,401.00 | 91.48 | 359.84 | 7,368.05 | 5,958.95 | 95.64 | 5,820.92 | 0.69 | -0.29 | -0.63 |
| 13,496.00 | 92.45 | 359.91 | 7,364.79 | 6,053.90 | 95.43 | 5,913.26 | 1.02 | 1.02 | 0.07 |
| 13,590.00 | 88.96 | 358.99 | 7,363.63 | 6,147.87 | 94.53 | 6,004.50 | 3.84 | -3.71 | -0.98 |
| 13,684.00 | 89.87 | 358.78 | 7,364.59 | 6,241.85 | 92.70 | 6,095.53 | 0.99 | 0.97 | -0.22 |
| 13,778.00 | 89.63 | 358.88 | 7,365.00 | 6,335.83 | 90.78 | 6,186.55 | 0.28 | -0.26 | 0.11 |
| 13,873.00 | 88.66 | 359.07 | 7,366.42 | 6,430.80 | 89.08 | 6,278.58 | 1.04 | -1.02 | 0.20 |
| 13,967.00 | 89.02 | 359.42 | 7,368.32 | 6,524.77 | 87.84 | 6,369.74 | 0.53 | 0.38 | 0.37 |
| 14,061.00 | 88.15 | 357.43 | 7,370.64 | 6,618.70 | 85.26 | 6,460.55 | 2.31 | -0.93 | -2.12 |
| 14,156.00 | 88.92 | 358.57 | 7,373.07 | 6,713.61 | 81.95 | 6,552.15 | 1.45 | 0.81 | 1.20 |
| 14,250.00 | 89.63 | 358.04 | 7,374.26 | 6,807.56 | 79.17 | 6,642.94 | 0.94 | 0.76 | -0.56 |
| 14,339.00 | 89.87 | 358.42 | 7,374.65 | 6,896.52 | 76.42 | 6,728.87 | 0.50 | 0.27 | 0.43 |
| LAST SDI MWD PRODUCTION SURVEY | | | | | | | | | |
| 14,409.00 | 89.87 | 358.42 | 7,374.81 | 6,966.49 | 74.49 | 6,796.52 | 0.00 | 0.00 | 0.00 |
| SDI PROJECTION TO TD | | | | | | | | | |

| Casing Points | | | | |
|---------------------|---------------------|----------------------|----------------------|--------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (in) | Hole Diameter (in) |
| 1,112.00 | 1,111.99 | 9 5/8" | 9.625 | 12.250 |
| 7,796.00 | 7,354.80 | 7" (780 FSL 220 FEL) | 7.000 | 7.500 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well PARAGON 40C-31HZ |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Site: | PARAGON 16-6HZ PAD | MD Reference: | GL 4975 & KB 25 @ 5000.00ft (HP 311) |
| Well: | PARAGON 40C-31HZ | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------------|---------------------------|-------------------|---------------|---------------------------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 125.00 | 125.00 | -0.42 | -0.22 | FIRST GYRO SURFACE SURVEY |
| 1,025.00 | 1,024.99 | -2.89 | -1.84 | LAST GYRO SURFACE SURVEY |
| 1,178.00 | 1,177.99 | -2.85 | -1.64 | FIRST SDI MWD PRODUCTION SURVEY |
| 14,339.00 | 7,374.65 | 6,896.52 | 76.42 | LAST SDI MWD PRODUCTION SURVEY |
| 14,409.00 | 7,374.81 | 6,966.49 | 74.49 | SDI PROJECTION TO TD |

Checked By: _____ Approved By: _____ Date: _____