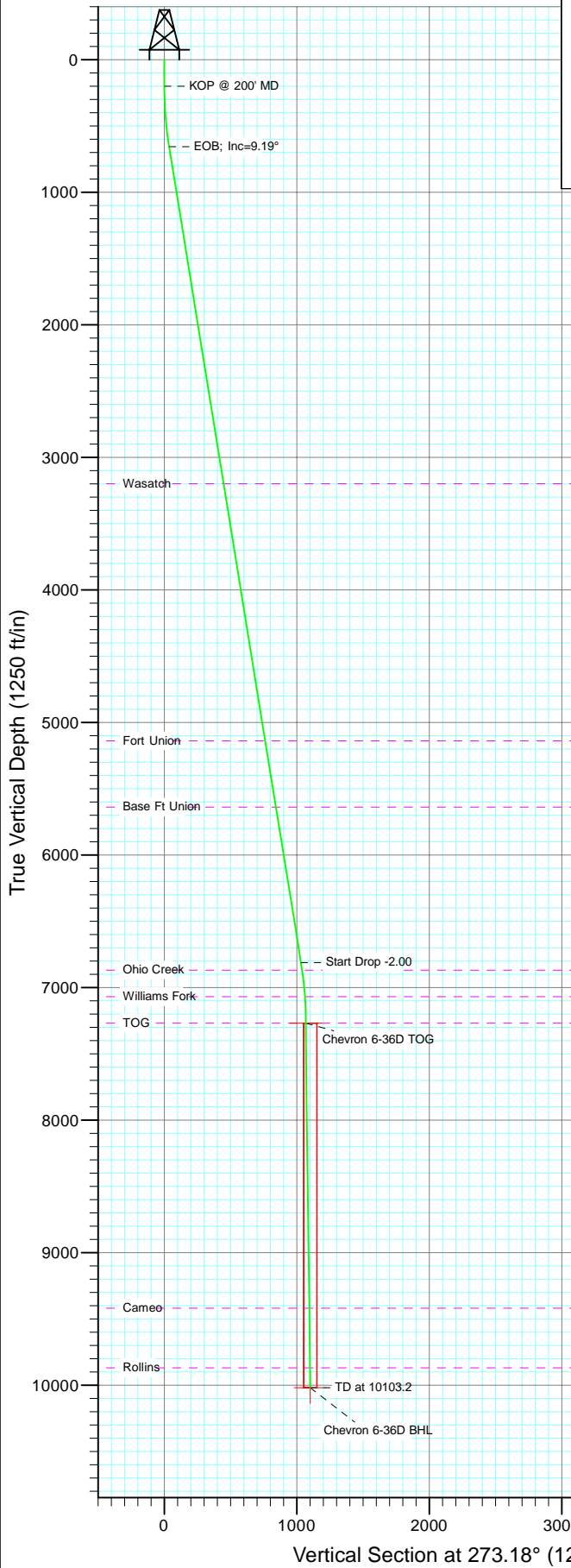
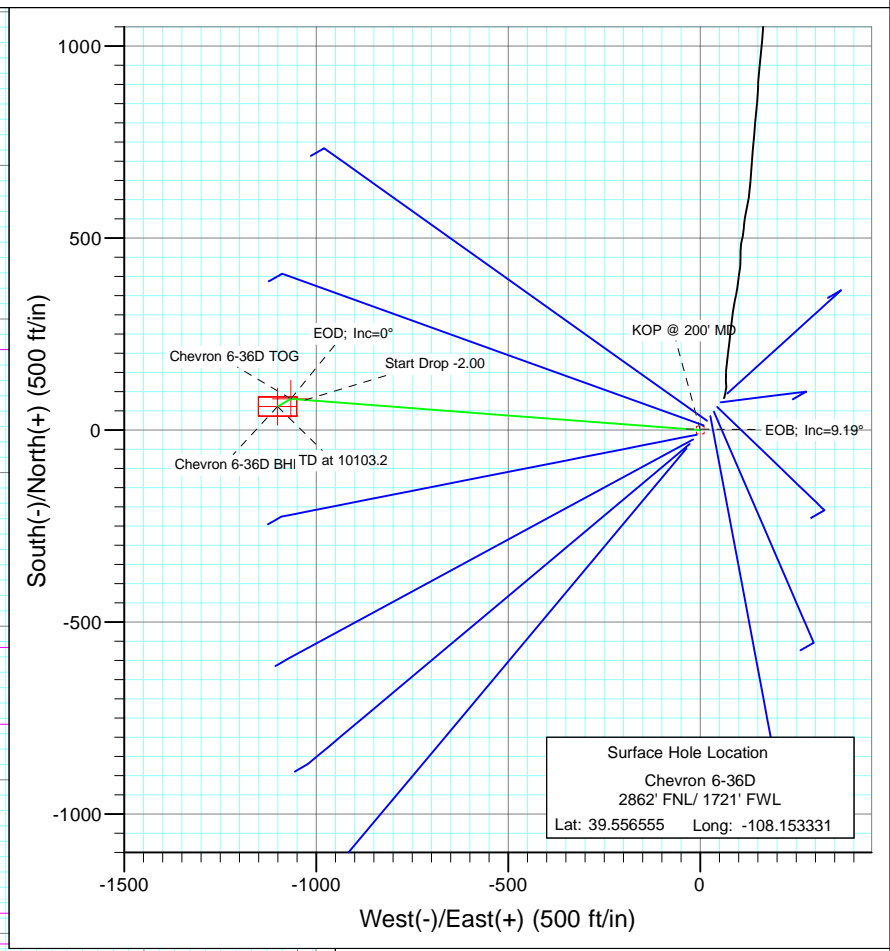




Project: Garfield County
Site: Sec 6 T6S R96W (F06 696)
Well: Chevron 6-36D
Wellbore: DD
Design: Plan #2



| SECTION DETAILS | | | | | | | | | | |
|-----------------|---------|------|--------|---------|-------|---------|------|--------|--------|-------------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VFace | Target |
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 659.4 | 9.19 | 274.36 | 657.4 | 2.8 | -36.6 | 2.00 | 274.36 | 36.7 | |
| 4 | 6893.5 | 9.19 | 274.36 | 6811.6 | 78.4 | -1029.2 | 0.00 | 0.00 | 1032.0 | |
| 5 | 7352.9 | 0.00 | 0.00 | 7269.0 | 81.2 | -1065.8 | 2.00 | 180.00 | 1068.7 | Chevron 6-36D TOG |
| 6 | 7709.1 | 0.89 | 240.02 | 7625.2 | 79.8 | -1068.2 | 0.25 | 240.02 | 1071.0 | |
| 7 | 10103.2 | 0.89 | 240.02 | 10019.0 | 61.2 | -1100.5 | 0.00 | 0.00 | 1102.2 | Chevron 6-36D BHL |



Surface Hole Location
Chevron 6-36D
2862' FNL/ 1721' FWL
Lat: 39.556555 Long: -108.153331

Bottom Hole Location
Chevron 6-36D
2799' FNL/ 620' FWL
Lat : 39.556723
Long. : -108.157234

Vertical Section at 273.18° (1250 ft/in)

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|--------|---------------|
| 3199.0 | 3234.0 | Wasatch |
| 5139.0 | 5199.2 | Fort Union |
| 5639.0 | 5705.7 | Base Ft Union |
| 6869.0 | 6951.6 | Ohio Creek |
| 7069.0 | 7152.8 | Williams Fork |
| 7269.0 | 7352.9 | TOG |
| 9419.0 | 9503.1 | Cameo |
| 9869.0 | 9953.2 | Rollins |

DESIGN DETAILS: Plan #2

95XXX; BH
KBE @ 8244.0ft (Original Well Elev)

| Target | Azimuth | Origin | N/S | E/W | From TVD |
|-------------------|---------|--------|-----|-----|----------|
| Chevron 6-36D BHL | 273.18 | Slot | 0.0 | 0.0 | 0.0 |

Compass rose showing True North (T) and Magnetic North (M).
Azimuths to True North
Magnetic North: 10.61°
Magnetic Field
Strength: 52426.9snT
Dip Angle: 65.81°
Date: 12/2/2009
Model: IGRF200510

Cathedral Energy Services

Planning Report

| | | | |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Company: | Berry Petroleum Company (NAD 83) | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Project: | Garfield County | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site: | Sec 6 T6S R96W (F06 696) | North Reference: | True |
| Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #2 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Garfield County | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| | | | | | |
|-----------------------|----------|--------------------------|-----------------|-------------------|-------------|
| Site | | Sec 6 T6S R96W (F06 696) | | | |
| Site Position: | | Northing: | 1,638,592.01 ft | Latitude: | 39.556729 |
| From: | Lat/Long | Easting: | 2,252,075.57 ft | Longitude: | -108.153012 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in | Grid Convergence: | -1.67 ° |

| | | | | | | |
|----------------------|---------------|--------|---------------------|-----------------|---------------|-------------|
| Well | Chevron 6-36D | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,638,531.27 ft | Latitude: | 39.556555 |
| | +E/-W | 0.0 ft | Easting: | 2,251,983.81 ft | Longitude: | -108.153331 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 8,222.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | DD | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 12/2/2009 | 10.60 | 65.81 | 52,427 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #2 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 273.18 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|-------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 659.4 | 9.19 | 274.36 | 657.4 | 2.8 | -36.6 | 2.00 | 2.00 | 0.00 | 274.36 | |
| 6,893.5 | 9.19 | 274.36 | 6,811.6 | 78.4 | -1,029.2 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,352.9 | 0.00 | 0.00 | 7,269.0 | 81.2 | -1,065.8 | 2.00 | -2.00 | 0.00 | 180.00 | Chevron 6-36D TOG |
| 7,709.1 | 0.89 | 240.02 | 7,625.2 | 79.8 | -1,068.2 | 0.25 | 0.25 | -33.68 | 240.02 | |
| 10,103.2 | 0.89 | 240.02 | 10,019.0 | 61.2 | -1,100.5 | 0.00 | 0.00 | 0.00 | 0.00 | Chevron 6-36D BHL |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Company: | Berry Petroleum Company (NAD 83) | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Project: | Garfield County | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site: | Sec 6 T6S R96W (F06 696) | North Reference: | True |
| Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #2 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 30.0 | 0.00 | 0.00 | 30.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 60.0 | 0.00 | 0.00 | 60.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 90.0 | 0.00 | 0.00 | 90.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 150.0 | 0.00 | 0.00 | 150.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 180.0 | 0.00 | 0.00 | 180.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | KOP @ 200' MD |
| 210.0 | 0.20 | 274.36 | 210.0 | 0.0 | 0.0 | 0.0 | 2.00 | 2.00 | |
| 240.0 | 0.80 | 274.36 | 240.0 | 0.0 | -0.3 | 0.3 | 2.00 | 2.00 | |
| 270.0 | 1.40 | 274.36 | 270.0 | 0.1 | -0.9 | 0.9 | 2.00 | 2.00 | |
| 300.0 | 2.00 | 274.36 | 300.0 | 0.1 | -1.7 | 1.7 | 2.00 | 2.00 | |
| 330.0 | 2.60 | 274.36 | 330.0 | 0.2 | -2.9 | 2.9 | 2.00 | 2.00 | |
| 360.0 | 3.20 | 274.36 | 359.9 | 0.3 | -4.5 | 4.5 | 2.00 | 2.00 | |
| 390.0 | 3.80 | 274.36 | 389.9 | 0.5 | -6.3 | 6.3 | 2.00 | 2.00 | |
| 420.0 | 4.40 | 274.36 | 419.8 | 0.6 | -8.4 | 8.4 | 2.00 | 2.00 | |
| 450.0 | 5.00 | 274.36 | 449.7 | 0.8 | -10.9 | 10.9 | 2.00 | 2.00 | |
| 480.0 | 5.60 | 274.36 | 479.6 | 1.0 | -13.6 | 13.7 | 2.00 | 2.00 | |
| 510.0 | 6.20 | 274.36 | 509.4 | 1.3 | -16.7 | 16.8 | 2.00 | 2.00 | |
| 540.0 | 6.80 | 274.36 | 539.2 | 1.5 | -20.1 | 20.1 | 2.00 | 2.00 | |
| 570.0 | 7.40 | 274.36 | 569.0 | 1.8 | -23.8 | 23.9 | 2.00 | 2.00 | |
| 600.0 | 8.00 | 274.36 | 598.7 | 2.1 | -27.8 | 27.9 | 2.00 | 2.00 | |
| 630.0 | 8.60 | 274.36 | 628.4 | 2.4 | -32.1 | 32.2 | 2.00 | 2.00 | |
| 659.4 | 9.19 | 274.36 | 657.4 | 2.8 | -36.6 | 36.7 | 2.00 | 2.00 | EOB; Inc=9.19° |
| 660.0 | 9.19 | 274.36 | 658.0 | 2.8 | -36.7 | 36.8 | 0.00 | 0.00 | |
| 690.0 | 9.19 | 274.36 | 687.6 | 3.2 | -41.5 | 41.6 | 0.00 | 0.00 | |
| 720.0 | 9.19 | 274.36 | 717.3 | 3.5 | -46.3 | 46.4 | 0.00 | 0.00 | |
| 750.0 | 9.19 | 274.36 | 746.9 | 3.9 | -51.1 | 51.2 | 0.00 | 0.00 | |
| 780.0 | 9.19 | 274.36 | 776.5 | 4.3 | -55.9 | 56.0 | 0.00 | 0.00 | |
| 810.0 | 9.19 | 274.36 | 806.1 | 4.6 | -60.6 | 60.8 | 0.00 | 0.00 | |
| 840.0 | 9.19 | 274.36 | 835.7 | 5.0 | -65.4 | 65.6 | 0.00 | 0.00 | |
| 870.0 | 9.19 | 274.36 | 865.3 | 5.3 | -70.2 | 70.4 | 0.00 | 0.00 | |
| 900.0 | 9.19 | 274.36 | 894.9 | 5.7 | -75.0 | 75.2 | 0.00 | 0.00 | |
| 930.0 | 9.19 | 274.36 | 924.6 | 6.1 | -79.7 | 79.9 | 0.00 | 0.00 | |
| 960.0 | 9.19 | 274.36 | 954.2 | 6.4 | -84.5 | 84.7 | 0.00 | 0.00 | |
| 990.0 | 9.19 | 274.36 | 983.8 | 6.8 | -89.3 | 89.5 | 0.00 | 0.00 | |
| 1,020.0 | 9.19 | 274.36 | 1,013.4 | 7.2 | -94.1 | 94.3 | 0.00 | 0.00 | |
| 1,050.0 | 9.19 | 274.36 | 1,043.0 | 7.5 | -98.8 | 99.1 | 0.00 | 0.00 | |
| 1,080.0 | 9.19 | 274.36 | 1,072.6 | 7.9 | -103.6 | 103.9 | 0.00 | 0.00 | |
| 1,110.0 | 9.19 | 274.36 | 1,102.3 | 8.3 | -108.4 | 108.7 | 0.00 | 0.00 | |
| 1,140.0 | 9.19 | 274.36 | 1,131.9 | 8.6 | -113.2 | 113.5 | 0.00 | 0.00 | |
| 1,170.0 | 9.19 | 274.36 | 1,161.5 | 9.0 | -117.9 | 118.3 | 0.00 | 0.00 | |
| 1,200.0 | 9.19 | 274.36 | 1,191.1 | 9.3 | -122.7 | 123.1 | 0.00 | 0.00 | |
| 1,230.0 | 9.19 | 274.36 | 1,220.7 | 9.7 | -127.5 | 127.8 | 0.00 | 0.00 | |
| 1,260.0 | 9.19 | 274.36 | 1,250.3 | 10.1 | -132.3 | 132.6 | 0.00 | 0.00 | |
| 1,290.0 | 9.19 | 274.36 | 1,279.9 | 10.4 | -137.0 | 137.4 | 0.00 | 0.00 | |
| 1,320.0 | 9.19 | 274.36 | 1,309.6 | 10.8 | -141.8 | 142.2 | 0.00 | 0.00 | |
| 1,350.0 | 9.19 | 274.36 | 1,339.2 | 11.2 | -146.6 | 147.0 | 0.00 | 0.00 | |
| 1,380.0 | 9.19 | 274.36 | 1,368.8 | 11.5 | -151.4 | 151.8 | 0.00 | 0.00 | |
| 1,410.0 | 9.19 | 274.36 | 1,398.4 | 11.9 | -156.2 | 156.6 | 0.00 | 0.00 | |
| 1,440.0 | 9.19 | 274.36 | 1,428.0 | 12.3 | -160.9 | 161.4 | 0.00 | 0.00 | |
| 1,470.0 | 9.19 | 274.36 | 1,457.6 | 12.6 | -165.7 | 166.2 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Company: | Berry Petroleum Company (NAD 83) | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Project: | Garfield County | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site: | Sec 6 T6S R96W (F06 696) | North Reference: | True |
| Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #2 | | |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| 1,500.0 | 9.19 | 274.36 | 1,487.2 | 13.0 | -170.5 | 170.9 | 0.00 | 0.00 | |
| 1,530.0 | 9.19 | 274.36 | 1,516.9 | 13.4 | -175.3 | 175.7 | 0.00 | 0.00 | |
| 1,560.0 | 9.19 | 274.36 | 1,546.5 | 13.7 | -180.0 | 180.5 | 0.00 | 0.00 | |
| 1,590.0 | 9.19 | 274.36 | 1,576.1 | 14.1 | -184.8 | 185.3 | 0.00 | 0.00 | |
| 1,620.0 | 9.19 | 274.36 | 1,605.7 | 14.4 | -189.6 | 190.1 | 0.00 | 0.00 | |
| 1,650.0 | 9.19 | 274.36 | 1,635.3 | 14.8 | -194.4 | 194.9 | 0.00 | 0.00 | |
| 1,680.0 | 9.19 | 274.36 | 1,664.9 | 15.2 | -199.1 | 199.7 | 0.00 | 0.00 | |
| 1,710.0 | 9.19 | 274.36 | 1,694.6 | 15.5 | -203.9 | 204.5 | 0.00 | 0.00 | |
| 1,740.0 | 9.19 | 274.36 | 1,724.2 | 15.9 | -208.7 | 209.3 | 0.00 | 0.00 | |
| 1,770.0 | 9.19 | 274.36 | 1,753.8 | 16.3 | -213.5 | 214.0 | 0.00 | 0.00 | |
| 1,800.0 | 9.19 | 274.36 | 1,783.4 | 16.6 | -218.2 | 218.8 | 0.00 | 0.00 | |
| 1,830.0 | 9.19 | 274.36 | 1,813.0 | 17.0 | -223.0 | 223.6 | 0.00 | 0.00 | |
| 1,860.0 | 9.19 | 274.36 | 1,842.6 | 17.4 | -227.8 | 228.4 | 0.00 | 0.00 | |
| 1,890.0 | 9.19 | 274.36 | 1,872.2 | 17.7 | -232.6 | 233.2 | 0.00 | 0.00 | |
| 1,920.0 | 9.19 | 274.36 | 1,901.9 | 18.1 | -237.4 | 238.0 | 0.00 | 0.00 | |
| 1,950.0 | 9.19 | 274.36 | 1,931.5 | 18.4 | -242.1 | 242.8 | 0.00 | 0.00 | |
| 1,980.0 | 9.19 | 274.36 | 1,961.1 | 18.8 | -246.9 | 247.6 | 0.00 | 0.00 | |
| 2,010.0 | 9.19 | 274.36 | 1,990.7 | 19.2 | -251.7 | 252.4 | 0.00 | 0.00 | |
| 2,040.0 | 9.19 | 274.36 | 2,020.3 | 19.5 | -256.5 | 257.1 | 0.00 | 0.00 | |
| 2,070.0 | 9.19 | 274.36 | 2,049.9 | 19.9 | -261.2 | 261.9 | 0.00 | 0.00 | |
| 2,100.0 | 9.19 | 274.36 | 2,079.6 | 20.3 | -266.0 | 266.7 | 0.00 | 0.00 | |
| 2,130.0 | 9.19 | 274.36 | 2,109.2 | 20.6 | -270.8 | 271.5 | 0.00 | 0.00 | |
| 2,160.0 | 9.19 | 274.36 | 2,138.8 | 21.0 | -275.6 | 276.3 | 0.00 | 0.00 | |
| 2,190.0 | 9.19 | 274.36 | 2,168.4 | 21.4 | -280.3 | 281.1 | 0.00 | 0.00 | |
| 2,220.0 | 9.19 | 274.36 | 2,198.0 | 21.7 | -285.1 | 285.9 | 0.00 | 0.00 | |
| 2,250.0 | 9.19 | 274.36 | 2,227.6 | 22.1 | -289.9 | 290.7 | 0.00 | 0.00 | |
| 2,280.0 | 9.19 | 274.36 | 2,257.2 | 22.4 | -294.7 | 295.5 | 0.00 | 0.00 | |
| 2,310.0 | 9.19 | 274.36 | 2,286.9 | 22.8 | -299.4 | 300.3 | 0.00 | 0.00 | |
| 2,340.0 | 9.19 | 274.36 | 2,316.5 | 23.2 | -304.2 | 305.0 | 0.00 | 0.00 | |
| 2,370.0 | 9.19 | 274.36 | 2,346.1 | 23.5 | -309.0 | 309.8 | 0.00 | 0.00 | |
| 2,400.0 | 9.19 | 274.36 | 2,375.7 | 23.9 | -313.8 | 314.6 | 0.00 | 0.00 | |
| 2,430.0 | 9.19 | 274.36 | 2,405.3 | 24.3 | -318.6 | 319.4 | 0.00 | 0.00 | |
| 2,460.0 | 9.19 | 274.36 | 2,434.9 | 24.6 | -323.3 | 324.2 | 0.00 | 0.00 | |
| 2,490.0 | 9.19 | 274.36 | 2,464.5 | 25.0 | -328.1 | 329.0 | 0.00 | 0.00 | |

Targets

| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|---|---------------|--------------|----------|------------|------------|---------------|--------------|-----------|-------------|
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| Chevron 6-36D TOG | 0.00 | 0.00 | 7,269.0 | 81.2 | -1,065.8 | 1,638,643.56 | 2,250,920.79 | 39.556778 | -108.157111 |
| - plan misses target center by 4861.1ft at 2490.0ft MD (2464.5 TVD, 25.0 N, -328.1 E) | | | | | | | | | |
| - Point | | | | | | | | | |
| Chevron 6-36D BHL | 0.00 | 0.00 | 10,019.0 | 61.2 | -1,100.5 | 1,638,624.61 | 2,250,885.59 | 39.556723 | -108.157234 |
| - plan misses target center by 7593.9ft at 2490.0ft MD (2464.5 TVD, 25.0 N, -328.1 E) | | | | | | | | | |
| - Rectangle (sides W50.0 H100.0 D0.0) | | | | | | | | | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Company: | Berry Petroleum Company (NAD 83) | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Project: | Garfield County | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site: | Sec 6 T6S R96W (F06 696) | North Reference: | True |
| Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #2 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
| 2,500.0 | 9.19 | 274.36 | 2,474.4 | 25.1 | -329.7 | 330.6 | 0.00 | 0.00 | |
| 2,600.0 | 9.19 | 274.36 | 2,573.1 | 26.3 | -345.6 | 346.5 | 0.00 | 0.00 | |
| 2,700.0 | 9.19 | 274.36 | 2,671.9 | 27.5 | -361.5 | 362.5 | 0.00 | 0.00 | |
| 2,800.0 | 9.19 | 274.36 | 2,770.6 | 28.8 | -377.5 | 378.5 | 0.00 | 0.00 | |
| 2,900.0 | 9.19 | 274.36 | 2,869.3 | 30.0 | -393.4 | 394.4 | 0.00 | 0.00 | |
| 3,000.0 | 9.19 | 274.36 | 2,968.0 | 31.2 | -409.3 | 410.4 | 0.00 | 0.00 | |
| 3,100.0 | 9.19 | 274.36 | 3,066.7 | 32.4 | -425.2 | 426.4 | 0.00 | 0.00 | |
| 3,200.0 | 9.19 | 274.36 | 3,165.4 | 33.6 | -441.1 | 442.3 | 0.00 | 0.00 | |
| 3,234.0 | 9.19 | 274.36 | 3,199.0 | 34.0 | -446.6 | 447.8 | 0.00 | 0.00 | Wasatch |
| 3,300.0 | 9.19 | 274.36 | 3,264.2 | 34.8 | -457.1 | 458.3 | 0.00 | 0.00 | |
| 3,400.0 | 9.19 | 274.36 | 3,362.9 | 36.0 | -473.0 | 474.3 | 0.00 | 0.00 | |
| 3,500.0 | 9.19 | 274.36 | 3,461.6 | 37.2 | -488.9 | 490.2 | 0.00 | 0.00 | |
| 3,600.0 | 9.19 | 274.36 | 3,560.3 | 38.5 | -504.8 | 506.2 | 0.00 | 0.00 | |
| 3,700.0 | 9.19 | 274.36 | 3,659.0 | 39.7 | -520.8 | 522.2 | 0.00 | 0.00 | |
| 3,800.0 | 9.19 | 274.36 | 3,757.7 | 40.9 | -536.7 | 538.1 | 0.00 | 0.00 | |
| 3,900.0 | 9.19 | 274.36 | 3,856.5 | 42.1 | -552.6 | 554.1 | 0.00 | 0.00 | |
| 4,000.0 | 9.19 | 274.36 | 3,955.2 | 43.3 | -568.5 | 570.0 | 0.00 | 0.00 | |
| 4,100.0 | 9.19 | 274.36 | 4,053.9 | 44.5 | -584.4 | 586.0 | 0.00 | 0.00 | |
| 4,200.0 | 9.19 | 274.36 | 4,152.6 | 45.7 | -600.4 | 602.0 | 0.00 | 0.00 | |
| 4,300.0 | 9.19 | 274.36 | 4,251.3 | 47.0 | -616.3 | 617.9 | 0.00 | 0.00 | |
| 4,400.0 | 9.19 | 274.36 | 4,350.0 | 48.2 | -632.2 | 633.9 | 0.00 | 0.00 | |
| 4,500.0 | 9.19 | 274.36 | 4,448.8 | 49.4 | -648.1 | 649.9 | 0.00 | 0.00 | |
| 4,600.0 | 9.19 | 274.36 | 4,547.5 | 50.6 | -664.0 | 665.8 | 0.00 | 0.00 | |
| 4,700.0 | 9.19 | 274.36 | 4,646.2 | 51.8 | -680.0 | 681.8 | 0.00 | 0.00 | |
| 4,800.0 | 9.19 | 274.36 | 4,744.9 | 53.0 | -695.9 | 697.8 | 0.00 | 0.00 | |
| 4,900.0 | 9.19 | 274.36 | 4,843.6 | 54.2 | -711.8 | 713.7 | 0.00 | 0.00 | |
| 5,000.0 | 9.19 | 274.36 | 4,942.3 | 55.4 | -727.7 | 729.7 | 0.00 | 0.00 | |
| 5,100.0 | 9.19 | 274.36 | 5,041.1 | 56.7 | -743.6 | 745.6 | 0.00 | 0.00 | |
| 5,199.2 | 9.19 | 274.36 | 5,139.0 | 57.9 | -759.4 | 761.5 | 0.00 | 0.00 | Fort Union |
| 5,200.0 | 9.19 | 274.36 | 5,139.8 | 57.9 | -759.6 | 761.6 | 0.00 | 0.00 | |
| 5,300.0 | 9.19 | 274.36 | 5,238.5 | 59.1 | -775.5 | 777.6 | 0.00 | 0.00 | |
| 5,400.0 | 9.19 | 274.36 | 5,337.2 | 60.3 | -791.4 | 793.5 | 0.00 | 0.00 | |
| 5,500.0 | 9.19 | 274.36 | 5,435.9 | 61.5 | -807.3 | 809.5 | 0.00 | 0.00 | |
| 5,600.0 | 9.19 | 274.36 | 5,534.6 | 62.7 | -823.3 | 825.5 | 0.00 | 0.00 | |
| 5,700.0 | 9.19 | 274.36 | 5,633.4 | 63.9 | -839.2 | 841.4 | 0.00 | 0.00 | |
| 5,705.7 | 9.19 | 274.36 | 5,639.0 | 64.0 | -840.1 | 842.3 | 0.00 | 0.00 | Base Ft Union |
| 5,800.0 | 9.19 | 274.36 | 5,732.1 | 65.1 | -855.1 | 857.4 | 0.00 | 0.00 | |
| 5,900.0 | 9.19 | 274.36 | 5,830.8 | 66.4 | -871.0 | 873.4 | 0.00 | 0.00 | |
| 6,000.0 | 9.19 | 274.36 | 5,929.5 | 67.6 | -886.9 | 889.3 | 0.00 | 0.00 | |
| 6,100.0 | 9.19 | 274.36 | 6,028.2 | 68.8 | -902.9 | 905.3 | 0.00 | 0.00 | |
| 6,200.0 | 9.19 | 274.36 | 6,126.9 | 70.0 | -918.8 | 921.3 | 0.00 | 0.00 | |
| 6,300.0 | 9.19 | 274.36 | 6,225.7 | 71.2 | -934.7 | 937.2 | 0.00 | 0.00 | |
| 6,400.0 | 9.19 | 274.36 | 6,324.4 | 72.4 | -950.6 | 953.2 | 0.00 | 0.00 | |
| 6,500.0 | 9.19 | 274.36 | 6,423.1 | 73.6 | -966.5 | 969.1 | 0.00 | 0.00 | |
| 6,600.0 | 9.19 | 274.36 | 6,521.8 | 74.8 | -982.5 | 985.1 | 0.00 | 0.00 | |
| 6,700.0 | 9.19 | 274.36 | 6,620.5 | 76.1 | -998.4 | 1,001.1 | 0.00 | 0.00 | |
| 6,800.0 | 9.19 | 274.36 | 6,719.2 | 77.3 | -1,014.3 | 1,017.0 | 0.00 | 0.00 | |
| 6,893.5 | 9.19 | 274.36 | 6,811.6 | 78.4 | -1,029.2 | 1,032.0 | 0.00 | 0.00 | Start Drop -2.00 |
| 6,900.0 | 9.06 | 274.36 | 6,818.0 | 78.5 | -1,030.2 | 1,033.0 | 2.00 | -2.00 | |
| 6,951.6 | 8.03 | 274.36 | 6,869.0 | 79.1 | -1,037.9 | 1,040.7 | 2.00 | -2.00 | Ohio Creek |
| 7,000.0 | 7.06 | 274.36 | 6,917.0 | 79.6 | -1,044.2 | 1,047.0 | 2.00 | -2.00 | |
| 7,100.0 | 5.06 | 274.36 | 7,016.4 | 80.4 | -1,054.7 | 1,057.6 | 2.00 | -2.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Company: | Berry Petroleum Company (NAD 83) | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Project: | Garfield County | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site: | Sec 6 T6S R96W (F06 696) | North Reference: | True |
| Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #2 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
| 7,152.8 | 4.00 | 274.36 | 7,069.0 | 80.7 | -1,058.9 | 1,061.7 | 2.00 | -2.00 | Williams Fork |
| 7,200.0 | 3.06 | 274.36 | 7,116.2 | 80.9 | -1,061.8 | 1,064.6 | 2.00 | -2.00 | |
| 7,300.0 | 1.06 | 274.36 | 7,216.1 | 81.2 | -1,065.4 | 1,068.2 | 2.00 | -2.00 | |
| 7,352.9 | 0.00 | 0.00 | 7,269.0 | 81.2 | -1,065.8 | 1,068.7 | 2.00 | -2.00 | EOD; Inc=0° - TOG - Chevron 6-36D TOG |
| 7,400.0 | 0.12 | 240.02 | 7,316.1 | 81.2 | -1,065.9 | 1,068.8 | 0.25 | 0.25 | |
| 7,500.0 | 0.37 | 240.02 | 7,416.1 | 81.0 | -1,066.3 | 1,069.1 | 0.25 | 0.25 | |
| 7,600.0 | 0.62 | 240.02 | 7,516.1 | 80.5 | -1,067.0 | 1,069.8 | 0.25 | 0.25 | |
| 7,700.0 | 0.87 | 240.02 | 7,616.1 | 79.9 | -1,068.1 | 1,070.9 | 0.25 | 0.25 | |
| 7,709.1 | 0.89 | 240.02 | 7,625.2 | 79.8 | -1,068.2 | 1,071.0 | 0.25 | 0.25 | |
| 7,800.0 | 0.89 | 240.02 | 7,716.1 | 79.1 | -1,069.5 | 1,072.2 | 0.00 | 0.00 | |
| 7,900.0 | 0.89 | 240.02 | 7,816.0 | 78.3 | -1,070.8 | 1,073.5 | 0.00 | 0.00 | |
| 8,000.0 | 0.89 | 240.02 | 7,916.0 | 77.6 | -1,072.2 | 1,074.8 | 0.00 | 0.00 | |
| 8,100.0 | 0.89 | 240.02 | 8,016.0 | 76.8 | -1,073.5 | 1,076.1 | 0.00 | 0.00 | |
| 8,200.0 | 0.89 | 240.02 | 8,116.0 | 76.0 | -1,074.9 | 1,077.4 | 0.00 | 0.00 | |
| 8,300.0 | 0.89 | 240.02 | 8,216.0 | 75.2 | -1,076.2 | 1,078.7 | 0.00 | 0.00 | |
| 8,400.0 | 0.89 | 240.02 | 8,316.0 | 74.5 | -1,077.5 | 1,080.0 | 0.00 | 0.00 | |
| 8,500.0 | 0.89 | 240.02 | 8,416.0 | 73.7 | -1,078.9 | 1,081.3 | 0.00 | 0.00 | |
| 8,600.0 | 0.89 | 240.02 | 8,516.0 | 72.9 | -1,080.2 | 1,082.6 | 0.00 | 0.00 | |
| 8,700.0 | 0.89 | 240.02 | 8,615.9 | 72.1 | -1,081.6 | 1,083.9 | 0.00 | 0.00 | |
| 8,800.0 | 0.89 | 240.02 | 8,715.9 | 71.3 | -1,082.9 | 1,085.2 | 0.00 | 0.00 | |
| 8,900.0 | 0.89 | 240.02 | 8,815.9 | 70.6 | -1,084.3 | 1,086.5 | 0.00 | 0.00 | |
| 9,000.0 | 0.89 | 240.02 | 8,915.9 | 69.8 | -1,085.6 | 1,087.8 | 0.00 | 0.00 | |
| 9,100.0 | 0.89 | 240.02 | 9,015.9 | 69.0 | -1,087.0 | 1,089.1 | 0.00 | 0.00 | |
| 9,200.0 | 0.89 | 240.02 | 9,115.9 | 68.2 | -1,088.3 | 1,090.4 | 0.00 | 0.00 | |
| 9,300.0 | 0.89 | 240.02 | 9,215.9 | 67.5 | -1,089.7 | 1,091.7 | 0.00 | 0.00 | |
| 9,400.0 | 0.89 | 240.02 | 9,315.9 | 66.7 | -1,091.0 | 1,093.0 | 0.00 | 0.00 | |
| 9,500.0 | 0.89 | 240.02 | 9,415.9 | 65.9 | -1,092.4 | 1,094.3 | 0.00 | 0.00 | |
| 9,503.1 | 0.89 | 240.02 | 9,419.0 | 65.9 | -1,092.4 | 1,094.4 | 0.00 | 0.00 | Cameo |
| 9,600.0 | 0.89 | 240.02 | 9,515.8 | 65.1 | -1,093.7 | 1,095.6 | 0.00 | 0.00 | |
| 9,700.0 | 0.89 | 240.02 | 9,615.8 | 64.4 | -1,095.1 | 1,096.9 | 0.00 | 0.00 | |
| 9,800.0 | 0.89 | 240.02 | 9,715.8 | 63.6 | -1,096.4 | 1,098.2 | 0.00 | 0.00 | |
| 9,900.0 | 0.89 | 240.02 | 9,815.8 | 62.8 | -1,097.7 | 1,099.5 | 0.00 | 0.00 | |
| 9,953.2 | 0.89 | 240.02 | 9,869.0 | 62.4 | -1,098.5 | 1,100.2 | 0.00 | 0.00 | Rollins |
| 10,000.0 | 0.89 | 240.02 | 9,915.8 | 62.0 | -1,099.1 | 1,100.8 | 0.00 | 0.00 | |
| 10,100.0 | 0.89 | 240.02 | 10,015.8 | 61.3 | -1,100.4 | 1,102.1 | 0.00 | 0.00 | |
| 10,103.2 | 0.89 | 240.02 | 10,019.0 | 61.2 | -1,100.5 | 1,102.2 | 0.00 | 0.00 | TD at 10103.2 - Chevron 6-36D BHL |

| Targets | | | | | | | | | |
|---------------------------------------|-------------------|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------------|
| Target Name | - hit/miss target | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | |
| - Shape | | | | | | | | | Latitude Longitude |
| Chevron 6-36D TOG | | 0.00 | 0.00 | 7,269.0 | 81.2 | -1,065.8 | 1,638,643.56 | 2,250,920.79 | 39.556778 -108.157111 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| Chevron 6-36D BHL | | 0.00 | 0.00 | 10,019.0 | 61.2 | -1,100.5 | 1,638,624.61 | 2,250,885.59 | 39.556723 -108.157234 |
| - plan hits target center | | | | | | | | | |
| - Rectangle (sides W50.0 H100.0 D0.0) | | | | | | | | | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Company: | Berry Petroleum Company (NAD 83) | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Project: | Garfield County | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site: | Sec 6 T6S R96W (F06 696) | North Reference: | True |
| Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #2 | | |

| Formations | | | | | | |
|---------------------|---------------------|---------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 3,234.0 | 3,199.0 | Wasatch | | 0.00 | | |
| 5,199.2 | 5,139.0 | Fort Union | | 0.00 | | |
| 5,705.7 | 5,639.0 | Base Ft Union | | 0.00 | | |
| 6,951.6 | 6,869.0 | Ohio Creek | | 0.00 | | |
| 7,152.8 | 7,069.0 | Williams Fork | | 0.00 | | |
| 7,352.9 | 7,269.0 | TOG | | 0.00 | | |
| 9,503.1 | 9,419.0 | Cameo | | 0.00 | | |
| 9,953.2 | 9,869.0 | Rollins | | 0.00 | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 200.0 | 200.0 | 0.0 | 0.0 | KOP @ 200' MD | |
| 659.4 | 657.4 | 2.8 | -36.6 | EOB; Inc=9.19° | |
| 6,893.5 | 6,811.6 | 78.4 | -1,029.2 | Start Drop -2.00 | |
| 7,352.9 | 7,269.0 | 81.2 | -1,065.8 | EOD; Inc=0° | |
| 10,103.2 | 10,019.0 | 79.8 | -1,068.2 | TD at 10103.2 | |

Berry Petroleum Company (NAD 83)

Garfield County

Sec 6 T6S R96W (F06 696)

Chevron 6-36D

DD

Plan #2

Anticollision Report

17 November, 2010

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Reference | Plan #2 | | |
|------------------------------|---|----------------|---------------------|
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | MD Interval 100.0ft | Error Model: | Systematic Ellipse |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 1,221.6ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.00 Sigma | | |

| Survey Tool Program | | Date | 11/17/2010 | | |
|---------------------|----------|-------------------|------------|-------------|--|
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 0.0 | 10,103.2 | Plan #2 (DD) | MWD | Geolink MWD | |

| Summary | | | | | | |
|------------------------------------|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|---------|
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| Chevron C06 696 (NWNW S6-T6S-R96W) | | | | | | |
| Chevron 6-39D - DD - Plan #1 | 7,467.8 | 7,422.3 | 1,045.6 | 999.0 | 22.437 | CC, ES |
| Chevron 6-39D - DD - Plan #1 | 10,103.2 | 10,054.9 | 1,065.1 | 1,012.7 | 20.330 | SF |
| Sec 6 T6S R96W (F06 696) | | | | | | |
| Chevron 6-19D - DD - Plan #2 | 200.0 | 200.0 | 60.0 | 59.3 | 96.485 | CC |
| Chevron 6-19D - DD - Plan #2 | 300.0 | 301.0 | 60.1 | 59.1 | 61.449 | ES |
| Chevron 6-19D - DD - Plan #2 | 600.0 | 598.9 | 77.1 | 74.9 | 35.754 | SF |
| Chevron 6-20D - DD - Plan #2 | 200.0 | 200.0 | 75.0 | 74.4 | 120.675 | CC, ES |
| Chevron 6-20D - DD - Plan #2 | 700.0 | 695.6 | 106.4 | 104.0 | 43.200 | SF |
| Chevron 6-21D - DD - Plan #2 | 323.6 | 324.8 | 44.7 | 43.7 | 41.957 | CC, ES |
| Chevron 6-21D - DD - Plan #2 | 600.0 | 599.4 | 60.1 | 57.9 | 27.570 | SF |
| Chevron 6-22D - DD - Plan #3 | 200.0 | 200.0 | 90.1 | 89.5 | 145.064 | CC, ES |
| Chevron 6-22D - DD - Plan #3 | 1,000.0 | 993.7 | 158.6 | 155.0 | 44.198 | SF |
| Chevron 6-23D - DD - Plan #2 | 200.0 | 200.0 | 119.0 | 118.4 | 191.483 | CC, ES |
| Chevron 6-23D - DD - Plan #2 | 5,600.0 | 5,472.4 | 1,202.9 | 1,182.3 | 58.261 | SF |
| Chevron 6-25D - DD - DD | 0.0 | 0.0 | 103.9 | | | |
| Chevron 6-25D - DD - DD | 5,200.0 | 5,060.9 | 1,189.2 | 1,163.7 | 46.606 | SF |
| Chevron 6-32D - DD - Plan #2 | 200.0 | 200.0 | 60.0 | 59.3 | 96.486 | CC, ES |
| Chevron 6-32D - DD - Plan #2 | 6,600.0 | 6,473.8 | 1,202.6 | 1,162.1 | 29.676 | SF |
| Chevron 6-33D - DD - Plan #2 | 389.6 | 388.2 | 43.3 | 42.0 | 33.363 | CC |
| Chevron 6-33D - DD - Plan #2 | 400.0 | 398.5 | 43.4 | 42.0 | 32.421 | ES |
| Chevron 6-33D - DD - Plan #2 | 10,100.0 | 10,086.8 | 953.1 | 901.2 | 18.364 | SF |
| Chevron 6-34D - DD - Plan #2 | 503.3 | 502.7 | 25.3 | 23.6 | 14.406 | CC, ES |
| Chevron 6-34D - DD - Plan #2 | 10,100.0 | 10,081.1 | 677.3 | 625.2 | 12.979 | SF |
| Chevron 6-35D - DD - Plan #2 | 391.7 | 391.4 | 13.4 | 12.1 | 10.213 | CC |
| Chevron 6-35D - DD - Plan #2 | 400.0 | 399.6 | 13.4 | 12.1 | 9.983 | ES |
| Chevron 6-35D - DD - Plan #2 | 10,050.5 | 10,055.1 | 308.0 | 255.7 | 5.894 | SF |
| Chevron 6-37D - DD - Plan #2 | 200.0 | 200.0 | 15.0 | 14.4 | 24.189 | CC, ES |
| Chevron 6-37D - DD - Plan #2 | 10,103.2 | 10,122.8 | 327.3 | 274.9 | 6.244 | SF |
| Chevron 6-38D - DD - Plan #2 | 200.0 | 200.0 | 29.9 | 29.3 | 48.108 | CC, ES |
| Chevron 6-38D - DD - Plan #2 | 10,103.2 | 10,135.5 | 658.7 | 606.2 | 12.526 | SF |
| Section 6 T6S R96W | | | | | | |
| Chevron 6-39D - DD - Plan #1 | 7,459.5 | 7,414.8 | 1,065.3 | 1,019.6 | 23.319 | CC |
| Chevron 6-39D - DD - Plan #1 | 10,103.2 | 10,064.4 | 1,066.0 | 1,013.7 | 20.367 | ES, SF |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Chevron C06 696 (NWNW S6-T6S-R96W) - Chevron 6-39D - DD - Plan #1 | | | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning | |
| 5,900.0 | 5,830.8 | 5,997.7 | 5,876.0 | 18.6 | 23.2 | 85.43 | 1,272.6 | -901.6 | 1,216.5 | 1,178.5 | 38.04 | 31.981 | | |
| 6,000.0 | 5,929.5 | 6,096.7 | 5,972.8 | 19.0 | 23.6 | 85.38 | 1,259.9 | -918.2 | 1,202.4 | 1,163.7 | 38.72 | 31.056 | | |
| 6,100.0 | 6,028.2 | 6,195.7 | 6,069.6 | 19.3 | 24.0 | 85.33 | 1,247.1 | -934.7 | 1,188.3 | 1,148.9 | 39.40 | 30.162 | | |
| 6,200.0 | 6,126.9 | 6,294.7 | 6,166.3 | 19.6 | 24.4 | 85.28 | 1,234.3 | -951.2 | 1,174.1 | 1,134.1 | 40.08 | 29.298 | | |
| 6,300.0 | 6,225.7 | 6,393.7 | 6,263.1 | 20.0 | 24.8 | 85.23 | 1,221.5 | -967.8 | 1,160.0 | 1,119.3 | 40.76 | 28.463 | | |
| 6,400.0 | 6,324.4 | 6,492.7 | 6,359.8 | 20.3 | 25.2 | 85.18 | 1,208.7 | -984.3 | 1,145.9 | 1,104.5 | 41.44 | 27.655 | | |
| 6,500.0 | 6,423.1 | 6,591.7 | 6,456.6 | 20.6 | 25.6 | 85.13 | 1,195.9 | -1,000.9 | 1,131.8 | 1,089.7 | 42.12 | 26.872 | | |
| 6,600.0 | 6,521.8 | 6,690.6 | 6,553.4 | 21.0 | 26.1 | 85.07 | 1,183.1 | -1,017.4 | 1,117.7 | 1,074.9 | 42.80 | 26.115 | | |
| 6,700.0 | 6,620.5 | 6,789.6 | 6,650.1 | 21.3 | 26.5 | 85.02 | 1,170.3 | -1,033.9 | 1,103.6 | 1,060.1 | 43.48 | 25.380 | | |
| 6,800.0 | 6,719.2 | 6,878.6 | 6,735.4 | 21.6 | 26.8 | 84.99 | 1,159.3 | -1,048.1 | 1,089.8 | 1,045.7 | 44.10 | 24.711 | | |
| 6,900.0 | 6,818.0 | 6,957.8 | 6,815.1 | 22.0 | 27.1 | 85.04 | 1,150.4 | -1,059.6 | 1,077.6 | 1,032.9 | 44.65 | 24.133 | | |
| 7,000.0 | 6,917.0 | 7,039.1 | 6,895.4 | 22.2 | 27.3 | 84.91 | 1,142.9 | -1,069.4 | 1,067.3 | 1,022.1 | 45.16 | 23.631 | | |
| 7,100.0 | 7,016.4 | 7,120.7 | 6,976.4 | 22.5 | 27.5 | 84.77 | 1,136.8 | -1,077.3 | 1,058.9 | 1,013.3 | 45.60 | 23.221 | | |
| 7,200.0 | 7,116.2 | 7,200.0 | 7,055.4 | 22.6 | 27.7 | 84.62 | 1,132.1 | -1,083.3 | 1,052.6 | 1,006.6 | 45.96 | 22.903 | | |
| 7,300.0 | 7,216.1 | 7,284.4 | 7,139.6 | 22.8 | 27.8 | 84.45 | 1,128.7 | -1,087.8 | 1,048.3 | 1,002.0 | 46.24 | 22.669 | | |
| 7,400.0 | 7,316.1 | 7,366.6 | 7,221.7 | 22.9 | 27.9 | 118.64 | 1,126.8 | -1,090.2 | 1,046.0 | 999.5 | 46.46 | 22.512 | | |
| 7,467.8 | 7,383.9 | 7,422.3 | 7,277.4 | 22.9 | 27.9 | 118.62 | 1,126.3 | -1,090.8 | 1,045.6 | 999.0 | 46.60 | 22.437 CC, ES | | |
| 7,500.0 | 7,416.1 | 7,452.0 | 7,307.1 | 23.0 | 28.0 | 118.63 | 1,126.3 | -1,090.8 | 1,045.6 | 999.0 | 46.66 | 22.409 | | |
| 7,600.0 | 7,516.1 | 7,552.0 | 7,407.1 | 23.1 | 28.0 | 118.67 | 1,126.3 | -1,090.8 | 1,046.0 | 999.2 | 46.86 | 22.321 | | |
| 7,700.0 | 7,616.1 | 7,652.0 | 7,507.1 | 23.2 | 28.1 | 118.73 | 1,126.3 | -1,090.8 | 1,046.7 | 999.6 | 47.07 | 22.236 | | |
| 7,800.0 | 7,716.1 | 7,751.9 | 7,607.1 | 23.3 | 28.2 | 118.80 | 1,126.3 | -1,090.8 | 1,047.4 | 1,000.1 | 47.27 | 22.156 | | |
| 7,900.0 | 7,816.0 | 7,851.9 | 7,707.0 | 23.4 | 28.3 | 118.88 | 1,126.3 | -1,090.8 | 1,048.2 | 1,000.7 | 47.48 | 22.076 | | |
| 8,000.0 | 7,916.0 | 7,951.9 | 7,807.0 | 23.6 | 28.4 | 118.95 | 1,126.3 | -1,090.8 | 1,048.9 | 1,001.2 | 47.69 | 21.995 | | |
| 8,100.0 | 8,016.0 | 8,051.9 | 7,907.0 | 23.7 | 28.5 | 119.03 | 1,126.3 | -1,090.8 | 1,049.7 | 1,001.8 | 47.90 | 21.915 | | |
| 8,200.0 | 8,116.0 | 8,151.9 | 8,007.0 | 23.8 | 28.5 | 119.10 | 1,126.3 | -1,090.8 | 1,050.4 | 1,002.3 | 48.11 | 21.835 | | |
| 8,300.0 | 8,216.0 | 8,251.9 | 8,107.0 | 23.9 | 28.6 | 119.17 | 1,126.3 | -1,090.8 | 1,051.2 | 1,002.9 | 48.32 | 21.755 | | |
| 8,400.0 | 8,316.0 | 8,351.9 | 8,207.0 | 24.0 | 28.7 | 119.25 | 1,126.3 | -1,090.8 | 1,051.9 | 1,003.4 | 48.53 | 21.674 | | |
| 8,500.0 | 8,416.0 | 8,451.9 | 8,307.0 | 24.2 | 28.8 | 119.32 | 1,126.3 | -1,090.8 | 1,052.7 | 1,003.9 | 48.75 | 21.594 | | |
| 8,600.0 | 8,516.0 | 8,551.8 | 8,407.0 | 24.3 | 28.9 | 119.40 | 1,126.3 | -1,090.8 | 1,053.5 | 1,004.5 | 48.97 | 21.514 | | |
| 8,700.0 | 8,615.9 | 8,651.8 | 8,506.9 | 24.4 | 29.0 | 119.47 | 1,126.3 | -1,090.8 | 1,054.2 | 1,005.0 | 49.18 | 21.434 | | |
| 8,800.0 | 8,715.9 | 8,751.8 | 8,606.9 | 24.5 | 29.1 | 119.54 | 1,126.3 | -1,090.8 | 1,055.0 | 1,005.6 | 49.40 | 21.354 | | |
| 8,900.0 | 8,815.9 | 8,851.8 | 8,706.9 | 24.7 | 29.2 | 119.62 | 1,126.3 | -1,090.8 | 1,055.7 | 1,006.1 | 49.62 | 21.275 | | |
| 9,000.0 | 8,915.9 | 8,951.8 | 8,806.9 | 24.8 | 29.3 | 119.69 | 1,126.3 | -1,090.8 | 1,056.5 | 1,006.7 | 49.85 | 21.195 | | |
| 9,100.0 | 9,015.9 | 9,051.8 | 8,906.9 | 24.9 | 29.4 | 119.76 | 1,126.3 | -1,090.8 | 1,057.3 | 1,007.2 | 50.07 | 21.116 | | |
| 9,200.0 | 9,115.9 | 9,151.8 | 9,006.9 | 25.1 | 29.5 | 119.84 | 1,126.3 | -1,090.8 | 1,058.1 | 1,007.8 | 50.30 | 21.037 | | |
| 9,300.0 | 9,215.9 | 9,251.8 | 9,106.9 | 25.2 | 29.5 | 119.91 | 1,126.3 | -1,090.8 | 1,058.8 | 1,008.3 | 50.52 | 20.957 | | |
| 9,400.0 | 9,315.9 | 9,351.8 | 9,206.9 | 25.3 | 29.6 | 119.98 | 1,126.3 | -1,090.8 | 1,059.6 | 1,008.9 | 50.75 | 20.879 | | |
| 9,500.0 | 9,415.9 | 9,451.7 | 9,306.9 | 25.4 | 29.7 | 120.05 | 1,126.3 | -1,090.8 | 1,060.4 | 1,009.4 | 50.98 | 20.800 | | |
| 9,600.0 | 9,515.8 | 9,551.7 | 9,406.8 | 25.6 | 29.8 | 120.13 | 1,126.3 | -1,090.8 | 1,061.2 | 1,010.0 | 51.21 | 20.721 | | |
| 9,700.0 | 9,615.8 | 9,651.7 | 9,506.8 | 25.7 | 29.9 | 120.20 | 1,126.3 | -1,090.8 | 1,061.9 | 1,010.5 | 51.44 | 20.643 | | |
| 9,800.0 | 9,715.8 | 9,751.7 | 9,606.8 | 25.8 | 30.0 | 120.27 | 1,126.3 | -1,090.8 | 1,062.7 | 1,011.1 | 51.68 | 20.565 | | |
| 9,900.0 | 9,815.8 | 9,851.7 | 9,706.8 | 26.0 | 30.1 | 120.34 | 1,126.3 | -1,090.8 | 1,063.5 | 1,011.6 | 51.91 | 20.487 | | |
| 10,000.0 | 9,915.8 | 9,951.7 | 9,806.8 | 26.1 | 30.2 | 120.42 | 1,126.3 | -1,090.8 | 1,064.3 | 1,012.2 | 52.15 | 20.410 | | |
| 10,100.0 | 10,015.8 | 10,051.7 | 9,906.8 | 26.2 | 30.3 | 120.49 | 1,126.3 | -1,090.8 | 1,065.1 | 1,012.7 | 52.38 | 20.332 | | |
| 10,103.2 | 10,019.0 | 10,054.9 | 9,910.0 | 26.2 | 30.3 | 120.49 | 1,126.3 | -1,090.8 | 1,065.1 | 1,012.7 | 52.39 | 20.330 SF | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-19D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|-----------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | Total | | Separation | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.68 | 48.1 | 35.8 | 60.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 36.68 | 48.1 | 35.8 | 60.0 | 59.7 | 0.27 | 220.185 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 36.68 | 48.1 | 35.8 | 60.0 | 59.3 | 0.62 | 96.485 CC | | |
| 204.6 | 204.6 | 204.6 | 204.6 | 0.3 | 0.3 | 122.33 | 48.1 | 35.8 | 60.0 | 59.3 | 0.64 | 94.020 | | |
| 300.0 | 300.0 | 301.0 | 300.9 | 0.5 | 0.5 | 125.21 | 46.4 | 36.5 | 60.1 | 59.1 | 0.98 | 61.449 ES | | |
| 400.0 | 399.8 | 401.4 | 401.2 | 0.7 | 0.7 | 133.62 | 41.6 | 38.6 | 61.4 | 60.0 | 1.36 | 45.208 | | |
| 500.0 | 499.5 | 500.7 | 500.1 | 0.9 | 0.9 | 146.11 | 33.7 | 42.0 | 66.2 | 64.4 | 1.76 | 37.593 | | |
| 600.0 | 598.7 | 598.9 | 597.9 | 1.2 | 1.1 | 158.09 | 25.1 | 45.8 | 77.1 | 74.9 | 2.15 | 35.754 SF | | |
| 700.0 | 697.5 | 696.6 | 695.1 | 1.5 | 1.4 | 167.33 | 16.5 | 49.5 | 93.5 | 91.0 | 2.53 | 36.960 | | |
| 800.0 | 796.2 | 794.1 | 792.2 | 1.8 | 1.6 | 173.81 | 7.9 | 53.2 | 112.3 | 109.4 | 2.90 | 38.688 | | |
| 900.0 | 894.9 | 891.7 | 889.3 | 2.1 | 1.8 | 178.40 | -0.7 | 56.9 | 132.1 | 128.8 | 3.28 | 40.313 | | |
| 1,000.0 | 993.7 | 989.2 | 986.4 | 2.4 | 2.1 | -178.21 | -9.3 | 60.6 | 152.5 | 148.9 | 3.65 | 41.735 | | |
| 1,100.0 | 1,092.4 | 1,086.8 | 1,083.5 | 2.8 | 2.3 | -175.62 | -17.9 | 64.3 | 173.3 | 169.3 | 4.03 | 42.949 | | |
| 1,200.0 | 1,191.1 | 1,184.3 | 1,180.6 | 3.1 | 2.5 | -173.58 | -26.5 | 68.0 | 194.4 | 189.9 | 4.42 | 43.982 | | |
| 1,300.0 | 1,289.8 | 1,281.9 | 1,277.7 | 3.4 | 2.8 | -171.94 | -35.1 | 71.7 | 215.6 | 210.8 | 4.81 | 44.864 | | |
| 1,400.0 | 1,388.5 | 1,379.4 | 1,374.8 | 3.7 | 3.0 | -170.60 | -43.7 | 75.4 | 237.0 | 231.8 | 5.19 | 45.621 | | |
| 1,500.0 | 1,487.2 | 1,477.0 | 1,471.9 | 4.1 | 3.2 | -169.48 | -52.2 | 79.1 | 258.5 | 252.9 | 5.59 | 46.275 | | |
| 1,600.0 | 1,586.0 | 1,574.5 | 1,569.0 | 4.4 | 3.5 | -168.53 | -60.8 | 82.9 | 280.0 | 274.1 | 5.98 | 46.845 | | |
| 1,700.0 | 1,684.7 | 1,672.1 | 1,666.1 | 4.7 | 3.7 | -167.72 | -69.4 | 86.6 | 301.7 | 295.3 | 6.37 | 47.345 | | |
| 1,800.0 | 1,783.4 | 1,769.6 | 1,763.2 | 5.1 | 3.9 | -167.01 | -78.0 | 90.3 | 323.3 | 316.6 | 6.77 | 47.787 | | |
| 1,900.0 | 1,882.1 | 1,867.2 | 1,860.3 | 5.4 | 4.2 | -166.40 | -86.6 | 94.0 | 345.1 | 337.9 | 7.16 | 48.180 | | |
| 2,000.0 | 1,980.8 | 1,964.7 | 1,957.4 | 5.7 | 4.4 | -165.85 | -95.2 | 97.7 | 366.8 | 359.3 | 7.56 | 48.531 | | |
| 2,100.0 | 2,079.6 | 2,062.3 | 2,054.5 | 6.1 | 4.6 | -165.37 | -103.8 | 101.4 | 388.6 | 380.6 | 7.96 | 48.847 | | |
| 2,200.0 | 2,178.3 | 2,159.8 | 2,151.6 | 6.4 | 4.9 | -164.94 | -112.4 | 105.1 | 410.4 | 402.0 | 8.35 | 49.133 | | |
| 2,300.0 | 2,277.0 | 2,257.4 | 2,248.7 | 6.7 | 5.1 | -164.55 | -121.0 | 108.8 | 432.2 | 423.5 | 8.75 | 49.392 | | |
| 2,400.0 | 2,375.7 | 2,354.9 | 2,345.8 | 7.0 | 5.3 | -164.20 | -129.5 | 112.5 | 454.1 | 444.9 | 9.15 | 49.628 | | |
| 2,500.0 | 2,474.4 | 2,452.5 | 2,442.9 | 7.4 | 5.6 | -163.88 | -138.1 | 116.2 | 475.9 | 466.4 | 9.55 | 49.845 | | |
| 2,600.0 | 2,573.1 | 2,550.0 | 2,540.0 | 7.7 | 5.8 | -163.59 | -146.7 | 120.0 | 497.8 | 487.8 | 9.95 | 50.043 | | |
| 2,700.0 | 2,671.9 | 2,647.6 | 2,637.1 | 8.0 | 6.0 | -163.33 | -155.3 | 123.7 | 519.7 | 509.3 | 10.35 | 50.226 | | |
| 2,800.0 | 2,770.6 | 2,745.1 | 2,734.2 | 8.4 | 6.3 | -163.08 | -163.9 | 127.4 | 541.6 | 530.8 | 10.75 | 50.396 | | |
| 2,900.0 | 2,869.3 | 2,842.7 | 2,831.3 | 8.7 | 6.5 | -162.86 | -172.5 | 131.1 | 563.5 | 552.3 | 11.15 | 50.553 | | |
| 3,000.0 | 2,968.0 | 2,940.2 | 2,928.4 | 9.0 | 6.8 | -162.65 | -181.1 | 134.8 | 585.4 | 573.8 | 11.55 | 50.698 | | |
| 3,100.0 | 3,066.7 | 3,037.8 | 3,025.5 | 9.4 | 7.0 | -162.46 | -189.7 | 138.5 | 607.3 | 595.3 | 11.95 | 50.834 | | |
| 3,200.0 | 3,165.4 | 3,135.3 | 3,122.6 | 9.7 | 7.2 | -162.28 | -198.3 | 142.2 | 629.2 | 616.9 | 12.35 | 50.961 | | |
| 3,300.0 | 3,264.2 | 3,232.9 | 3,219.7 | 10.0 | 7.5 | -162.11 | -206.8 | 145.9 | 651.1 | 638.4 | 12.75 | 51.080 | | |
| 3,400.0 | 3,362.9 | 3,330.4 | 3,316.8 | 10.4 | 7.7 | -161.95 | -215.4 | 149.6 | 673.1 | 659.9 | 13.15 | 51.192 | | |
| 3,500.0 | 3,461.6 | 3,428.0 | 3,413.9 | 10.7 | 7.9 | -161.81 | -224.0 | 153.3 | 695.0 | 681.4 | 13.55 | 51.296 | | |
| 3,600.0 | 3,560.3 | 3,525.5 | 3,511.0 | 11.0 | 8.2 | -161.67 | -232.6 | 157.1 | 716.9 | 703.0 | 13.95 | 51.395 | | |
| 3,700.0 | 3,659.0 | 3,623.1 | 3,608.1 | 11.3 | 8.4 | -161.54 | -241.2 | 160.8 | 738.9 | 724.5 | 14.35 | 51.488 | | |
| 3,800.0 | 3,757.7 | 3,720.6 | 3,705.2 | 11.7 | 8.6 | -161.41 | -249.8 | 164.5 | 760.8 | 746.1 | 14.75 | 51.576 | | |
| 3,900.0 | 3,856.5 | 3,818.2 | 3,802.3 | 12.0 | 8.9 | -161.30 | -258.4 | 168.2 | 782.8 | 767.6 | 15.15 | 51.659 | | |
| 4,000.0 | 3,955.2 | 3,915.7 | 3,899.4 | 12.3 | 9.1 | -161.19 | -267.0 | 171.9 | 804.7 | 789.2 | 15.55 | 51.738 | | |
| 4,100.0 | 4,053.9 | 4,013.3 | 3,996.5 | 12.7 | 9.3 | -161.09 | -275.6 | 175.6 | 826.7 | 810.7 | 15.96 | 51.813 | | |
| 4,200.0 | 4,152.6 | 4,110.8 | 4,093.6 | 13.0 | 9.6 | -160.99 | -284.1 | 179.3 | 848.6 | 832.3 | 16.36 | 51.884 | | |
| 4,300.0 | 4,251.3 | 4,208.4 | 4,190.7 | 13.3 | 9.8 | -160.90 | -292.7 | 183.0 | 870.6 | 853.8 | 16.76 | 51.952 | | |
| 4,400.0 | 4,350.0 | 4,305.9 | 4,287.8 | 13.7 | 10.1 | -160.81 | -301.3 | 186.7 | 892.6 | 875.4 | 17.16 | 52.016 | | |
| 4,500.0 | 4,448.8 | 4,403.5 | 4,384.9 | 14.0 | 10.3 | -160.72 | -309.9 | 190.4 | 914.5 | 897.0 | 17.56 | 52.078 | | |
| 4,600.0 | 4,547.5 | 4,501.0 | 4,482.0 | 14.3 | 10.5 | -160.64 | -318.5 | 194.2 | 936.5 | 918.5 | 17.96 | 52.136 | | |
| 4,700.0 | 4,646.2 | 4,598.6 | 4,579.1 | 14.7 | 10.8 | -160.57 | -327.1 | 197.9 | 958.5 | 940.1 | 18.36 | 52.192 | | |
| 4,800.0 | 4,744.9 | 4,696.1 | 4,676.2 | 15.0 | 11.0 | -160.49 | -335.7 | 201.6 | 980.4 | 961.7 | 18.77 | 52.246 | | |
| 4,900.0 | 4,843.6 | 4,793.7 | 4,773.3 | 15.3 | 11.2 | -160.42 | -344.3 | 205.3 | 1,002.4 | 983.2 | 19.17 | 52.297 | | |
| 5,000.0 | 4,942.3 | 4,891.2 | 4,870.4 | 15.7 | 11.5 | -160.36 | -352.9 | 209.0 | 1,024.4 | 1,004.8 | 19.57 | 52.347 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-19D - DD - Plan #2 | | Offset Site Error: | | 0.0 ft | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|---|---------|--------------------|--|--------|--|
| Survey Program: 0-MWD | | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning | | | | |
| 5,100.0 | 5,041.1 | 4,988.8 | 4,967.5 | 16.0 | 11.7 | -160.29 | -361.4 | 212.7 | 1,046.3 | 1,026.4 | 19.97 | 52.394 | | | | | |
| 5,200.0 | 5,139.8 | 5,086.3 | 5,064.6 | 16.3 | 11.9 | -160.23 | -370.0 | 216.4 | 1,068.3 | 1,047.9 | 20.37 | 52.439 | | | | | |
| 5,300.0 | 5,238.5 | 5,183.9 | 5,161.7 | 16.7 | 12.2 | -160.17 | -378.6 | 220.1 | 1,090.3 | 1,069.5 | 20.77 | 52.483 | | | | | |
| 5,400.0 | 5,337.2 | 5,281.4 | 5,258.8 | 17.0 | 12.4 | -160.11 | -387.2 | 223.8 | 1,112.3 | 1,091.1 | 21.18 | 52.525 | | | | | |
| 5,500.0 | 5,435.9 | 5,379.0 | 5,355.9 | 17.3 | 12.7 | -160.06 | -395.8 | 227.5 | 1,134.2 | 1,112.7 | 21.58 | 52.565 | | | | | |
| 5,600.0 | 5,534.6 | 5,476.5 | 5,453.0 | 17.6 | 12.9 | -160.01 | -404.4 | 231.3 | 1,156.2 | 1,134.2 | 21.98 | 52.604 | | | | | |
| 5,700.0 | 5,633.4 | 5,574.1 | 5,550.1 | 18.0 | 13.1 | -159.96 | -413.0 | 235.0 | 1,178.2 | 1,155.8 | 22.38 | 52.641 | | | | | |
| 5,800.0 | 5,732.1 | 5,671.6 | 5,647.2 | 18.3 | 13.4 | -159.91 | -421.6 | 238.7 | 1,200.2 | 1,177.4 | 22.78 | 52.677 | | | | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|----------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | Total | Separation | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.72 | 60.1 | 44.8 | 75.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 36.72 | 60.1 | 44.8 | 75.0 | 74.7 | 0.27 | 275.385 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 36.72 | 60.1 | 44.8 | 75.0 | 74.4 | 0.62 | 120.675 CC, ES | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 123.46 | 60.1 | 44.8 | 75.9 | 75.0 | 0.97 | 78.042 | | |
| 400.0 | 399.8 | 399.8 | 399.8 | 0.7 | 0.7 | 126.58 | 60.1 | 44.8 | 78.9 | 77.6 | 1.33 | 59.139 | | |
| 500.0 | 499.5 | 499.5 | 499.5 | 0.9 | 0.8 | 131.24 | 60.1 | 44.8 | 84.4 | 82.7 | 1.71 | 49.374 | | |
| 600.0 | 598.7 | 598.2 | 598.2 | 1.2 | 1.0 | 137.76 | 58.9 | 46.0 | 93.2 | 91.1 | 2.09 | 44.541 | | |
| 700.0 | 697.5 | 695.6 | 695.4 | 1.5 | 1.2 | 145.84 | 55.5 | 49.6 | 106.4 | 104.0 | 2.46 | 43.200 SF | | |
| 800.0 | 796.2 | 792.4 | 791.9 | 1.8 | 1.4 | 153.48 | 50.0 | 55.3 | 123.1 | 120.3 | 2.82 | 43.660 | | |
| 900.0 | 894.9 | 889.7 | 888.9 | 2.1 | 1.6 | 159.43 | 44.3 | 61.2 | 141.6 | 138.5 | 3.17 | 44.714 | | |
| 1,000.0 | 993.7 | 987.0 | 985.9 | 2.4 | 1.8 | 163.99 | 38.6 | 67.1 | 161.3 | 157.8 | 3.51 | 45.926 | | |
| 1,100.0 | 1,092.4 | 1,084.4 | 1,082.8 | 2.8 | 2.0 | 167.55 | 32.9 | 73.1 | 181.8 | 177.9 | 3.86 | 47.127 | | |
| 1,200.0 | 1,191.1 | 1,181.7 | 1,179.8 | 3.1 | 2.2 | 170.39 | 27.2 | 79.0 | 202.8 | 198.6 | 4.20 | 48.249 | | |
| 1,300.0 | 1,289.8 | 1,279.0 | 1,276.8 | 3.4 | 2.4 | 172.69 | 21.4 | 84.9 | 224.2 | 219.7 | 4.55 | 49.269 | | |
| 1,400.0 | 1,388.5 | 1,376.3 | 1,373.7 | 3.7 | 2.6 | 174.60 | 15.7 | 90.9 | 245.9 | 241.0 | 4.90 | 50.186 | | |
| 1,500.0 | 1,487.2 | 1,473.6 | 1,470.7 | 4.1 | 2.9 | 176.20 | 10.0 | 96.8 | 267.8 | 262.6 | 5.25 | 51.007 | | |
| 1,600.0 | 1,586.0 | 1,571.0 | 1,567.7 | 4.4 | 3.1 | 177.55 | 4.3 | 102.7 | 289.9 | 284.3 | 5.60 | 51.742 | | |
| 1,700.0 | 1,684.7 | 1,668.3 | 1,664.7 | 4.7 | 3.3 | 178.71 | -1.4 | 108.7 | 312.1 | 306.1 | 5.96 | 52.400 | | |
| 1,800.0 | 1,783.4 | 1,765.6 | 1,761.6 | 5.1 | 3.5 | 179.72 | -7.2 | 114.6 | 334.4 | 328.1 | 6.31 | 52.991 | | |
| 1,900.0 | 1,882.1 | 1,862.9 | 1,858.6 | 5.4 | 3.7 | -179.39 | -12.9 | 120.5 | 356.8 | 350.1 | 6.67 | 53.524 | | |
| 2,000.0 | 1,980.8 | 1,960.2 | 1,955.6 | 5.7 | 4.0 | -178.62 | -18.6 | 126.5 | 379.3 | 372.3 | 7.02 | 54.005 | | |
| 2,100.0 | 2,079.6 | 2,057.6 | 2,052.5 | 6.1 | 4.2 | -177.92 | -24.3 | 132.4 | 401.8 | 394.4 | 7.38 | 54.443 | | |
| 2,200.0 | 2,178.3 | 2,154.9 | 2,149.5 | 6.4 | 4.4 | -177.31 | -30.0 | 138.3 | 424.4 | 416.6 | 7.74 | 54.841 | | |
| 2,300.0 | 2,277.0 | 2,252.2 | 2,246.5 | 6.7 | 4.6 | -176.75 | -35.8 | 144.3 | 447.0 | 438.9 | 8.10 | 55.205 | | |
| 2,400.0 | 2,375.7 | 2,349.5 | 2,343.5 | 7.0 | 4.8 | -176.25 | -41.5 | 150.2 | 469.7 | 461.2 | 8.46 | 55.539 | | |
| 2,500.0 | 2,474.4 | 2,446.8 | 2,440.4 | 7.4 | 5.1 | -175.79 | -47.2 | 156.1 | 492.4 | 483.5 | 8.82 | 55.846 | | |
| 2,600.0 | 2,573.1 | 2,544.2 | 2,537.4 | 7.7 | 5.3 | -175.37 | -52.9 | 162.1 | 515.1 | 505.9 | 9.18 | 56.130 | | |
| 2,700.0 | 2,671.9 | 2,641.5 | 2,634.4 | 8.0 | 5.5 | -174.99 | -58.6 | 168.0 | 537.8 | 528.3 | 9.54 | 56.392 | | |
| 2,800.0 | 2,770.6 | 2,738.8 | 2,731.3 | 8.4 | 5.7 | -174.64 | -64.4 | 173.9 | 560.6 | 550.7 | 9.90 | 56.635 | | |
| 2,900.0 | 2,869.3 | 2,836.1 | 2,828.3 | 8.7 | 5.9 | -174.32 | -70.1 | 179.9 | 583.4 | 573.1 | 10.26 | 56.861 | | |
| 3,000.0 | 2,968.0 | 2,933.4 | 2,925.3 | 9.0 | 6.2 | -174.02 | -75.8 | 185.8 | 606.2 | 595.5 | 10.62 | 57.072 | | |
| 3,100.0 | 3,066.7 | 3,030.8 | 3,022.2 | 9.4 | 6.4 | -173.75 | -81.5 | 191.7 | 629.0 | 618.0 | 10.98 | 57.269 | | |
| 3,200.0 | 3,165.4 | 3,128.1 | 3,119.2 | 9.7 | 6.6 | -173.49 | -87.2 | 197.7 | 651.8 | 640.4 | 11.34 | 57.453 | | |
| 3,300.0 | 3,264.2 | 3,225.4 | 3,216.2 | 10.0 | 6.8 | -173.25 | -93.0 | 203.6 | 674.6 | 662.9 | 11.71 | 57.626 | | |
| 3,400.0 | 3,362.9 | 3,322.7 | 3,313.2 | 10.4 | 7.1 | -173.02 | -98.7 | 209.5 | 697.5 | 685.4 | 12.07 | 57.789 | | |
| 3,500.0 | 3,461.6 | 3,420.0 | 3,410.1 | 10.7 | 7.3 | -172.81 | -104.4 | 215.5 | 720.3 | 707.9 | 12.43 | 57.942 | | |
| 3,600.0 | 3,560.3 | 3,517.4 | 3,507.1 | 11.0 | 7.5 | -172.62 | -110.1 | 221.4 | 743.2 | 730.4 | 12.79 | 58.086 | | |
| 3,700.0 | 3,659.0 | 3,614.7 | 3,604.1 | 11.3 | 7.7 | -172.43 | -115.8 | 227.3 | 766.1 | 752.9 | 13.16 | 58.222 | | |
| 3,800.0 | 3,757.7 | 3,712.0 | 3,701.0 | 11.7 | 7.9 | -172.26 | -121.6 | 233.3 | 788.9 | 775.4 | 13.52 | 58.351 | | |
| 3,900.0 | 3,856.5 | 3,809.3 | 3,798.0 | 12.0 | 8.2 | -172.09 | -127.3 | 239.2 | 811.8 | 797.9 | 13.88 | 58.473 | | |
| 4,000.0 | 3,955.2 | 3,906.6 | 3,895.0 | 12.3 | 8.4 | -171.94 | -133.0 | 245.1 | 834.7 | 820.5 | 14.25 | 58.589 | | |
| 4,100.0 | 4,053.9 | 4,004.0 | 3,992.0 | 12.7 | 8.6 | -171.79 | -138.7 | 251.1 | 857.6 | 843.0 | 14.61 | 58.700 | | |
| 4,200.0 | 4,152.6 | 4,101.3 | 4,088.9 | 13.0 | 8.8 | -171.65 | -144.4 | 257.0 | 880.5 | 865.5 | 14.97 | 58.804 | | |
| 4,300.0 | 4,251.3 | 4,198.6 | 4,185.9 | 13.3 | 9.1 | -171.52 | -150.2 | 262.9 | 903.4 | 888.1 | 15.34 | 58.904 | | |
| 4,400.0 | 4,350.0 | 4,295.9 | 4,282.9 | 13.7 | 9.3 | -171.39 | -155.9 | 268.9 | 926.3 | 910.6 | 15.70 | 58.999 | | |
| 4,500.0 | 4,448.8 | 4,393.2 | 4,379.8 | 14.0 | 9.5 | -171.27 | -161.6 | 274.8 | 949.2 | 933.2 | 16.06 | 59.090 | | |
| 4,600.0 | 4,547.5 | 4,490.6 | 4,476.8 | 14.3 | 9.7 | -171.16 | -167.3 | 280.7 | 972.2 | 955.7 | 16.43 | 59.176 | | |
| 4,700.0 | 4,646.2 | 4,587.9 | 4,573.8 | 14.7 | 9.9 | -171.05 | -173.0 | 286.7 | 995.1 | 978.3 | 16.79 | 59.259 | | |
| 4,800.0 | 4,744.9 | 4,685.2 | 4,670.7 | 15.0 | 10.2 | -170.94 | -178.8 | 292.6 | 1,018.0 | 1,000.9 | 17.16 | 59.339 | | |
| 4,900.0 | 4,843.6 | 4,782.5 | 4,767.7 | 15.3 | 10.4 | -170.84 | -184.5 | 298.5 | 1,040.9 | 1,023.4 | 17.52 | 59.415 | | |
| 5,000.0 | 4,942.3 | 4,879.8 | 4,864.7 | 15.7 | 10.6 | -170.75 | -190.2 | 304.5 | 1,063.9 | 1,046.0 | 17.88 | 59.488 | | |
| 5,100.0 | 5,041.1 | 4,977.2 | 4,961.7 | 16.0 | 10.8 | -170.66 | -195.9 | 310.4 | 1,086.8 | 1,068.6 | 18.25 | 59.558 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-20D - DD - Plan #2 | | Offset Site Error: | | 0.0 ft | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|---|---------|--------------------|--|--------|--|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | | | | | |
| 5,200.0 | 5,139.8 | 5,075.1 | 5,059.3 | 16.3 | 11.1 | -170.57 | -201.7 | 316.4 | 1,109.7 | 1,091.1 | 18.61 | 59.621 | | | | | | |
| 5,300.0 | 5,238.5 | 5,222.8 | 5,206.7 | 16.7 | 11.3 | -170.54 | -207.6 | 322.6 | 1,130.5 | 1,111.4 | 19.05 | 59.339 | | | | | | |
| 5,400.0 | 5,337.2 | 5,354.7 | 5,338.6 | 17.0 | 11.5 | -170.68 | -208.7 | 323.7 | 1,147.1 | 1,127.6 | 19.44 | 58.991 | | | | | | |
| 5,500.0 | 5,435.9 | 5,457.3 | 5,441.1 | 17.3 | 11.7 | -170.80 | -208.9 | 323.3 | 1,162.5 | 1,142.7 | 19.79 | 58.738 | | | | | | |
| 5,600.0 | 5,534.6 | 5,558.2 | 5,542.0 | 17.6 | 11.8 | -170.90 | -209.3 | 322.6 | 1,177.7 | 1,157.6 | 20.14 | 58.482 | | | | | | |
| 5,700.0 | 5,633.4 | 5,657.0 | 5,640.9 | 18.0 | 11.9 | -170.99 | -209.7 | 321.9 | 1,192.9 | 1,172.4 | 20.48 | 58.242 | | | | | | |
| 5,800.0 | 5,732.1 | 5,755.8 | 5,739.7 | 18.3 | 12.1 | -171.08 | -210.2 | 321.1 | 1,208.0 | 1,187.2 | 20.82 | 58.011 | | | | | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|---------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.61 | 36.1 | 26.8 | 44.9 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 36.61 | 36.1 | 26.8 | 44.9 | 44.6 | 0.27 | 164.984 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 36.61 | 36.1 | 26.8 | 44.9 | 44.3 | 0.62 | 72.296 | | |
| 300.0 | 300.0 | 301.0 | 301.0 | 0.5 | 0.5 | 125.84 | 34.3 | 27.1 | 44.7 | 43.8 | 0.98 | 45.796 | | |
| 323.6 | 323.6 | 324.8 | 324.8 | 0.5 | 0.5 | 127.73 | 33.4 | 27.3 | 44.7 | 43.7 | 1.07 | 41.957 CC, ES | | |
| 400.0 | 399.8 | 401.5 | 401.4 | 0.7 | 0.7 | 136.49 | 29.1 | 28.1 | 45.2 | 43.9 | 1.35 | 33.438 | | |
| 500.0 | 499.5 | 501.1 | 500.6 | 0.9 | 0.9 | 152.50 | 20.5 | 29.7 | 49.3 | 47.6 | 1.76 | 28.056 | | |
| 600.0 | 598.7 | 599.4 | 598.1 | 1.2 | 1.2 | 169.19 | 8.7 | 31.9 | 60.1 | 57.9 | 2.18 | 27.570 SF | | |
| 700.0 | 697.5 | 696.6 | 694.3 | 1.5 | 1.5 | -178.30 | -4.9 | 34.5 | 78.1 | 75.5 | 2.60 | 30.087 | | |
| 800.0 | 796.2 | 793.7 | 790.4 | 1.8 | 1.7 | -170.66 | -18.6 | 37.1 | 99.0 | 96.0 | 3.02 | 32.741 | | |
| 900.0 | 894.9 | 890.8 | 886.5 | 2.1 | 2.0 | -165.71 | -32.2 | 39.6 | 121.0 | 117.5 | 3.46 | 34.965 | | |
| 1,000.0 | 993.7 | 987.9 | 982.6 | 2.4 | 2.3 | -162.29 | -45.9 | 42.2 | 143.6 | 139.7 | 3.90 | 36.779 | | |
| 1,100.0 | 1,092.4 | 1,085.0 | 1,078.7 | 2.8 | 2.6 | -159.80 | -59.5 | 44.8 | 166.5 | 162.2 | 4.35 | 38.261 | | |
| 1,200.0 | 1,191.1 | 1,182.1 | 1,174.8 | 3.1 | 2.9 | -157.91 | -73.2 | 47.3 | 189.7 | 184.9 | 4.80 | 39.485 | | |
| 1,300.0 | 1,289.8 | 1,279.2 | 1,270.9 | 3.4 | 3.2 | -156.44 | -86.8 | 49.9 | 213.0 | 207.8 | 5.26 | 40.507 | | |
| 1,400.0 | 1,388.5 | 1,376.3 | 1,367.1 | 3.7 | 3.5 | -155.25 | -100.5 | 52.5 | 236.5 | 230.8 | 5.72 | 41.373 | | |
| 1,500.0 | 1,487.2 | 1,473.4 | 1,463.2 | 4.1 | 3.8 | -154.28 | -114.2 | 55.0 | 260.0 | 253.8 | 6.17 | 42.113 | | |
| 1,600.0 | 1,586.0 | 1,570.6 | 1,559.3 | 4.4 | 4.1 | -153.47 | -127.8 | 57.6 | 283.6 | 276.9 | 6.63 | 42.753 | | |
| 1,700.0 | 1,684.7 | 1,667.7 | 1,655.4 | 4.7 | 4.4 | -152.79 | -141.5 | 60.2 | 307.2 | 300.1 | 7.09 | 43.311 | | |
| 1,800.0 | 1,783.4 | 1,764.8 | 1,751.5 | 5.1 | 4.7 | -152.20 | -155.1 | 62.7 | 330.8 | 323.3 | 7.55 | 43.802 | | |
| 1,900.0 | 1,882.1 | 1,861.9 | 1,847.6 | 5.4 | 4.9 | -151.69 | -168.8 | 65.3 | 354.5 | 346.5 | 8.01 | 44.237 | | |
| 2,000.0 | 1,980.8 | 1,959.0 | 1,943.7 | 5.7 | 5.2 | -151.25 | -182.4 | 67.9 | 378.2 | 369.8 | 8.48 | 44.625 | | |
| 2,100.0 | 2,079.6 | 2,056.1 | 2,039.8 | 6.1 | 5.5 | -150.85 | -196.1 | 70.4 | 402.0 | 393.0 | 8.94 | 44.973 | | |
| 2,200.0 | 2,178.3 | 2,153.2 | 2,135.9 | 6.4 | 5.8 | -150.51 | -209.7 | 73.0 | 425.7 | 416.3 | 9.40 | 45.287 | | |
| 2,300.0 | 2,277.0 | 2,250.3 | 2,232.0 | 6.7 | 6.1 | -150.19 | -223.4 | 75.6 | 449.5 | 439.6 | 9.86 | 45.572 | | |
| 2,400.0 | 2,375.7 | 2,347.4 | 2,328.2 | 7.0 | 6.4 | -149.91 | -237.1 | 78.1 | 473.2 | 462.9 | 10.33 | 45.831 | | |
| 2,500.0 | 2,474.4 | 2,444.5 | 2,424.3 | 7.4 | 6.7 | -149.66 | -250.7 | 80.7 | 497.0 | 486.2 | 10.79 | 46.068 | | |
| 2,600.0 | 2,573.1 | 2,541.7 | 2,520.4 | 7.7 | 7.0 | -149.43 | -264.4 | 83.3 | 520.8 | 509.5 | 11.25 | 46.286 | | |
| 2,700.0 | 2,671.9 | 2,638.8 | 2,616.5 | 8.0 | 7.3 | -149.22 | -278.0 | 85.8 | 544.6 | 532.9 | 11.72 | 46.486 | | |
| 2,800.0 | 2,770.6 | 2,735.9 | 2,712.6 | 8.4 | 7.6 | -149.02 | -291.7 | 88.4 | 568.4 | 556.2 | 12.18 | 46.671 | | |
| 2,900.0 | 2,869.3 | 2,833.0 | 2,808.7 | 8.7 | 7.9 | -148.85 | -305.3 | 91.0 | 592.2 | 579.5 | 12.64 | 46.843 | | |
| 3,000.0 | 2,968.0 | 2,930.1 | 2,904.8 | 9.0 | 8.2 | -148.68 | -319.0 | 93.5 | 616.0 | 602.9 | 13.11 | 47.002 | | |
| 3,100.0 | 3,066.7 | 3,027.2 | 3,000.9 | 9.4 | 8.5 | -148.53 | -332.7 | 96.1 | 639.8 | 626.2 | 13.57 | 47.151 | | |
| 3,200.0 | 3,165.4 | 3,124.3 | 3,097.0 | 9.7 | 8.8 | -148.39 | -346.3 | 98.7 | 663.6 | 649.6 | 14.03 | 47.290 | | |
| 3,300.0 | 3,264.2 | 3,221.4 | 3,193.1 | 10.0 | 9.1 | -148.26 | -360.0 | 101.2 | 687.5 | 673.0 | 14.50 | 47.419 | | |
| 3,400.0 | 3,362.9 | 3,318.5 | 3,289.3 | 10.4 | 9.4 | -148.14 | -373.6 | 103.8 | 711.3 | 696.3 | 14.96 | 47.541 | | |
| 3,500.0 | 3,461.6 | 3,415.6 | 3,385.4 | 10.7 | 9.7 | -148.02 | -387.3 | 106.4 | 735.1 | 719.7 | 15.43 | 47.656 | | |
| 3,600.0 | 3,560.3 | 3,512.7 | 3,481.5 | 11.0 | 10.0 | -147.92 | -400.9 | 108.9 | 758.9 | 743.0 | 15.89 | 47.764 | | |
| 3,700.0 | 3,659.0 | 3,609.9 | 3,577.6 | 11.3 | 10.3 | -147.81 | -414.6 | 111.5 | 782.8 | 766.4 | 16.35 | 47.865 | | |
| 3,800.0 | 3,757.7 | 3,707.0 | 3,673.7 | 11.7 | 10.6 | -147.72 | -428.3 | 114.1 | 806.6 | 789.8 | 16.82 | 47.961 | | |
| 3,900.0 | 3,856.5 | 3,804.1 | 3,769.8 | 12.0 | 10.9 | -147.63 | -441.9 | 116.6 | 830.4 | 813.2 | 17.28 | 48.052 | | |
| 4,000.0 | 3,955.2 | 3,901.2 | 3,865.9 | 12.3 | 11.1 | -147.55 | -455.6 | 119.2 | 854.3 | 836.5 | 17.75 | 48.138 | | |
| 4,100.0 | 4,053.9 | 3,998.3 | 3,962.0 | 12.7 | 11.4 | -147.47 | -469.2 | 121.8 | 878.1 | 859.9 | 18.21 | 48.220 | | |
| 4,200.0 | 4,152.6 | 4,095.4 | 4,058.1 | 13.0 | 11.7 | -147.39 | -482.9 | 124.3 | 902.0 | 883.3 | 18.67 | 48.298 | | |
| 4,300.0 | 4,251.3 | 4,192.5 | 4,154.3 | 13.3 | 12.0 | -147.32 | -496.5 | 126.9 | 925.8 | 906.7 | 19.14 | 48.372 | | |
| 4,400.0 | 4,350.0 | 4,289.6 | 4,250.4 | 13.7 | 12.3 | -147.25 | -510.2 | 129.5 | 949.6 | 930.0 | 19.60 | 48.442 | | |
| 4,500.0 | 4,448.8 | 4,386.7 | 4,346.5 | 14.0 | 12.6 | -147.19 | -523.9 | 132.0 | 973.5 | 953.4 | 20.07 | 48.509 | | |
| 4,600.0 | 4,547.5 | 4,483.8 | 4,442.6 | 14.3 | 12.9 | -147.13 | -537.5 | 134.6 | 997.3 | 976.8 | 20.53 | 48.573 | | |
| 4,700.0 | 4,646.2 | 4,581.0 | 4,538.7 | 14.7 | 13.2 | -147.07 | -551.2 | 137.2 | 1,021.2 | 1,000.2 | 21.00 | 48.635 | | |
| 4,800.0 | 4,744.9 | 4,678.1 | 4,634.8 | 15.0 | 13.5 | -147.01 | -564.8 | 139.7 | 1,045.0 | 1,023.6 | 21.46 | 48.693 | | |
| 4,900.0 | 4,843.6 | 4,775.2 | 4,730.9 | 15.3 | 13.8 | -146.96 | -578.5 | 142.3 | 1,068.9 | 1,047.0 | 21.93 | 48.749 | | |
| 5,000.0 | 4,942.3 | 4,872.3 | 4,827.0 | 15.7 | 14.1 | -146.91 | -592.1 | 144.9 | 1,092.7 | 1,070.3 | 22.39 | 48.803 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-21D - DD - Plan #2 | | Offset Site Error: | | 0.0 ft | |
|-----------------|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|---|-------------------|--------------------|---------|--------|--|
| Survey Program: | | | | | | | | | | | 0-MWD | | Offset Well Error: | | 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Total Uncertainty Axis | Separation Factor | | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | | | | | | |
| | | | | | | | | | | | | | | | | |
| 5,100.0 | 5,041.1 | 4,969.4 | 4,923.1 | 16.0 | 14.4 | -146.86 | -605.8 | 147.4 | 1,116.6 | 1,093.7 | 22.86 | 48.855 | | | | |
| 5,200.0 | 5,139.8 | 5,066.5 | 5,019.2 | 16.3 | 14.7 | -146.81 | -619.4 | 150.0 | 1,140.4 | 1,117.1 | 23.32 | 48.904 | | | | |
| 5,300.0 | 5,238.5 | 5,163.6 | 5,115.4 | 16.7 | 15.0 | -146.77 | -633.1 | 152.6 | 1,164.3 | 1,140.5 | 23.78 | 48.952 | | | | |
| 5,400.0 | 5,337.2 | 5,260.7 | 5,211.5 | 17.0 | 15.3 | -146.72 | -646.8 | 155.1 | 1,188.1 | 1,163.9 | 24.25 | 48.998 | | | | |
| 5,500.0 | 5,435.9 | 5,357.8 | 5,307.6 | 17.3 | 15.6 | -146.68 | -660.4 | 157.7 | 1,212.0 | 1,187.3 | 24.71 | 49.042 | | | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-22D - DD - Plan #3 | | Offset Site Error: | | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|---|---------|--------------------|--|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | | | | |
| | | | | | | | | | | | | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.47 | 72.5 | 53.6 | 90.1 | | | | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 36.47 | 72.5 | 53.6 | 90.1 | 89.9 | 0.27 | 331.043 | | | | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 36.47 | 72.5 | 53.6 | 90.1 | 89.5 | 0.62 | 145.064 | CC, ES | | | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 123.02 | 72.5 | 53.6 | 91.1 | 90.1 | 0.97 | 93.605 | | | | | |
| 400.0 | 399.8 | 399.8 | 399.8 | 0.7 | 0.7 | 125.65 | 72.5 | 53.6 | 94.0 | 92.7 | 1.34 | 70.425 | | | | | |
| 500.0 | 499.5 | 499.5 | 499.5 | 0.9 | 0.8 | 129.64 | 72.5 | 53.6 | 99.4 | 97.7 | 1.71 | 58.037 | | | | | |
| 600.0 | 598.7 | 598.7 | 598.7 | 1.2 | 1.0 | 134.51 | 72.5 | 53.6 | 107.6 | 105.5 | 2.10 | 51.202 | | | | | |
| 700.0 | 697.5 | 697.5 | 697.5 | 1.5 | 1.2 | 139.69 | 72.5 | 53.6 | 118.9 | 116.4 | 2.49 | 47.783 | | | | | |
| 800.0 | 796.2 | 796.2 | 796.2 | 1.8 | 1.4 | 144.17 | 72.5 | 53.6 | 131.5 | 128.7 | 2.86 | 45.921 | | | | | |
| 900.0 | 894.9 | 894.9 | 894.9 | 2.1 | 1.5 | 147.86 | 72.5 | 53.6 | 144.8 | 141.6 | 3.23 | 44.833 | | | | | |
| 1,000.0 | 993.7 | 993.7 | 993.7 | 2.4 | 1.7 | 150.92 | 72.5 | 53.6 | 158.6 | 155.0 | 3.59 | 44.198 | SF | | | | |
| 1,100.0 | 1,092.4 | 1,087.3 | 1,087.2 | 2.8 | 1.9 | 153.48 | 72.6 | 54.9 | 174.2 | 170.2 | 3.93 | 44.278 | | | | | |
| 1,200.0 | 1,191.1 | 1,179.4 | 1,179.3 | 3.1 | 2.0 | 155.80 | 73.2 | 59.1 | 193.1 | 188.8 | 4.27 | 45.239 | | | | | |
| 1,300.0 | 1,289.8 | 1,270.2 | 1,269.8 | 3.4 | 2.2 | 157.84 | 74.1 | 66.2 | 215.4 | 210.8 | 4.60 | 46.853 | | | | | |
| 1,400.0 | 1,388.5 | 1,364.8 | 1,363.9 | 3.7 | 2.4 | 159.67 | 75.3 | 75.8 | 240.2 | 235.3 | 4.93 | 48.737 | | | | | |
| 1,500.0 | 1,487.2 | 1,461.4 | 1,460.0 | 4.1 | 2.6 | 161.19 | 76.5 | 85.7 | 265.4 | 260.1 | 5.26 | 50.416 | | | | | |
| 1,600.0 | 1,586.0 | 1,557.9 | 1,556.0 | 4.4 | 2.8 | 162.45 | 77.7 | 95.7 | 290.7 | 285.1 | 5.60 | 51.914 | | | | | |
| 1,700.0 | 1,684.7 | 1,654.5 | 1,652.0 | 4.7 | 3.0 | 163.51 | 79.0 | 105.6 | 316.1 | 310.2 | 5.94 | 53.257 | | | | | |
| 1,800.0 | 1,783.4 | 1,751.1 | 1,748.1 | 5.1 | 3.2 | 164.41 | 80.2 | 115.5 | 341.6 | 335.3 | 6.27 | 54.465 | | | | | |
| 1,900.0 | 1,882.1 | 1,847.6 | 1,844.1 | 5.4 | 3.5 | 165.19 | 81.4 | 125.4 | 367.2 | 360.5 | 6.61 | 55.557 | | | | | |
| 2,000.0 | 1,980.8 | 1,944.2 | 1,940.2 | 5.7 | 3.7 | 165.86 | 82.7 | 135.4 | 392.8 | 385.8 | 6.95 | 56.547 | | | | | |
| 2,100.0 | 2,079.6 | 2,040.8 | 2,036.2 | 6.1 | 3.9 | 166.46 | 83.9 | 145.3 | 418.4 | 411.2 | 7.28 | 57.448 | | | | | |
| 2,200.0 | 2,178.3 | 2,137.3 | 2,132.3 | 6.4 | 4.1 | 166.98 | 85.1 | 155.2 | 444.1 | 436.5 | 7.62 | 58.272 | | | | | |
| 2,300.0 | 2,277.0 | 2,233.9 | 2,228.3 | 6.7 | 4.4 | 167.45 | 86.4 | 165.1 | 469.9 | 461.9 | 7.96 | 59.027 | | | | | |
| 2,400.0 | 2,375.7 | 2,330.5 | 2,324.4 | 7.0 | 4.6 | 167.87 | 87.6 | 175.1 | 495.6 | 487.3 | 8.30 | 59.722 | | | | | |
| 2,500.0 | 2,474.4 | 2,427.0 | 2,420.4 | 7.4 | 4.8 | 168.24 | 88.8 | 185.0 | 521.4 | 512.8 | 8.64 | 60.363 | | | | | |
| 2,600.0 | 2,573.1 | 2,523.6 | 2,516.5 | 7.7 | 5.1 | 168.59 | 90.1 | 194.9 | 547.2 | 538.2 | 8.98 | 60.956 | | | | | |
| 2,700.0 | 2,671.9 | 2,620.1 | 2,612.5 | 8.0 | 5.3 | 168.90 | 91.3 | 204.8 | 573.0 | 563.7 | 9.32 | 61.507 | | | | | |
| 2,800.0 | 2,770.6 | 2,716.7 | 2,708.5 | 8.4 | 5.5 | 169.18 | 92.6 | 214.8 | 598.9 | 589.2 | 9.66 | 62.018 | | | | | |
| 2,900.0 | 2,869.3 | 2,813.3 | 2,804.6 | 8.7 | 5.8 | 169.44 | 93.8 | 224.7 | 624.7 | 614.7 | 10.00 | 62.496 | | | | | |
| 3,000.0 | 2,968.0 | 2,909.8 | 2,900.6 | 9.0 | 6.0 | 169.68 | 95.0 | 234.6 | 650.6 | 640.2 | 10.34 | 62.942 | | | | | |
| 3,100.0 | 3,066.7 | 3,006.4 | 2,996.7 | 9.4 | 6.3 | 169.90 | 96.3 | 244.5 | 676.4 | 665.8 | 10.68 | 63.359 | | | | | |
| 3,200.0 | 3,165.4 | 3,103.0 | 3,092.7 | 9.7 | 6.5 | 170.11 | 97.5 | 254.5 | 702.3 | 691.3 | 11.02 | 63.751 | | | | | |
| 3,300.0 | 3,264.2 | 3,211.7 | 3,200.9 | 10.0 | 6.8 | 170.32 | 98.8 | 265.3 | 727.9 | 716.5 | 11.38 | 63.980 | | | | | |
| 3,400.0 | 3,362.9 | 3,343.1 | 3,332.0 | 10.4 | 7.0 | 170.57 | 99.9 | 273.6 | 750.0 | 738.2 | 11.78 | 63.688 | | | | | |
| 3,500.0 | 3,461.6 | 3,473.1 | 3,461.9 | 10.7 | 7.2 | 170.82 | 100.2 | 276.0 | 767.5 | 755.3 | 12.17 | 63.053 | | | | | |
| 3,600.0 | 3,560.3 | 3,574.9 | 3,563.8 | 11.0 | 7.3 | 171.03 | 100.0 | 275.8 | 783.0 | 770.5 | 12.52 | 62.529 | | | | | |
| 3,700.0 | 3,659.0 | 3,674.5 | 3,663.4 | 11.3 | 7.5 | 171.22 | 99.7 | 275.3 | 798.3 | 785.4 | 12.87 | 62.032 | | | | | |
| 3,800.0 | 3,757.7 | 3,773.3 | 3,762.2 | 11.7 | 7.6 | 171.41 | 99.4 | 274.7 | 813.5 | 800.3 | 13.21 | 61.567 | | | | | |
| 3,900.0 | 3,856.5 | 3,872.1 | 3,861.0 | 12.0 | 7.8 | 171.60 | 99.1 | 274.2 | 828.8 | 815.2 | 13.56 | 61.126 | | | | | |
| 4,000.0 | 3,955.2 | 3,970.9 | 3,959.8 | 12.3 | 7.9 | 171.77 | 98.8 | 273.7 | 844.0 | 830.1 | 13.90 | 60.708 | | | | | |
| 4,100.0 | 4,053.9 | 4,069.7 | 4,058.6 | 12.7 | 8.1 | 171.94 | 98.5 | 273.2 | 859.3 | 845.1 | 14.25 | 60.311 | | | | | |
| 4,200.0 | 4,152.6 | 4,168.5 | 4,157.4 | 13.0 | 8.2 | 172.11 | 98.2 | 272.6 | 874.6 | 860.0 | 14.59 | 59.934 | | | | | |
| 4,300.0 | 4,251.3 | 4,267.3 | 4,256.2 | 13.3 | 8.4 | 172.27 | 97.9 | 272.1 | 889.9 | 874.9 | 14.94 | 59.574 | | | | | |
| 4,400.0 | 4,350.0 | 4,366.1 | 4,355.0 | 13.7 | 8.5 | 172.42 | 97.6 | 271.6 | 905.2 | 889.9 | 15.28 | 59.231 | | | | | |
| 4,500.0 | 4,448.8 | 4,464.9 | 4,453.8 | 14.0 | 8.7 | 172.57 | 97.3 | 271.1 | 920.5 | 904.8 | 15.63 | 58.904 | | | | | |
| 4,600.0 | 4,547.5 | 4,563.7 | 4,552.6 | 14.3 | 8.8 | 172.71 | 97.0 | 270.5 | 935.8 | 919.8 | 15.97 | 58.591 | | | | | |
| 4,700.0 | 4,646.2 | 4,662.5 | 4,651.4 | 14.7 | 9.0 | 172.85 | 96.7 | 270.0 | 951.1 | 934.7 | 16.32 | 58.292 | | | | | |
| 4,800.0 | 4,744.9 | 4,761.3 | 4,750.2 | 15.0 | 9.1 | 172.99 | 96.4 | 269.5 | 966.4 | 949.7 | 16.66 | 58.006 | | | | | |
| 4,900.0 | 4,843.6 | 4,860.1 | 4,849.0 | 15.3 | 9.3 | 173.12 | 96.1 | 269.0 | 981.7 | 964.7 | 17.00 | 57.731 | | | | | |
| 5,000.0 | 4,942.3 | 4,958.9 | 4,947.8 | 15.7 | 9.4 | 173.24 | 95.8 | 268.4 | 997.0 | 979.7 | 17.35 | 57.468 | | | | | |
| 5,100.0 | 5,041.1 | 5,057.7 | 5,046.6 | 16.0 | 9.6 | 173.37 | 95.5 | 267.9 | 1,012.3 | 994.6 | 17.69 | 57.215 | | | | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-22D - DD - Plan #3 | | Offset Site Error: | | 0.0 ft | | |
|---------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|---|--|--------------------|--------------------|--------|--------|--|
| Survey Program: | | | | 0-MWD | | | | | | | | | | | | Offset Well Error: | | 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning | | | | | | |
| 5,200.0 | 5,139.8 | 5,156.5 | 5,145.3 | 16.3 | 9.7 | 173.48 | 95.2 | 267.4 | 1,027.7 | 1,009.6 | 18.04 | 56.973 | | | | | | | |
| 5,300.0 | 5,238.5 | 5,255.3 | 5,244.1 | 16.7 | 9.9 | 173.60 | 94.9 | 266.9 | 1,043.0 | 1,024.6 | 18.38 | 56.739 | | | | | | | |
| 5,400.0 | 5,337.2 | 5,354.1 | 5,342.9 | 17.0 | 10.0 | 173.71 | 94.6 | 266.3 | 1,058.3 | 1,039.6 | 18.73 | 56.514 | | | | | | | |
| 5,500.0 | 5,435.9 | 5,452.9 | 5,441.7 | 17.3 | 10.2 | 173.82 | 94.3 | 265.8 | 1,073.7 | 1,054.6 | 19.07 | 56.298 | | | | | | | |
| 5,600.0 | 5,534.6 | 5,551.7 | 5,540.5 | 17.6 | 10.4 | 173.93 | 94.0 | 265.3 | 1,089.0 | 1,069.6 | 19.42 | 56.089 | | | | | | | |
| 5,700.0 | 5,633.4 | 5,650.5 | 5,639.3 | 18.0 | 10.5 | 174.03 | 93.7 | 264.8 | 1,104.4 | 1,084.6 | 19.76 | 55.888 | | | | | | | |
| 5,800.0 | 5,732.1 | 5,749.3 | 5,738.1 | 18.3 | 10.7 | 174.13 | 93.4 | 264.2 | 1,119.7 | 1,099.6 | 20.10 | 55.694 | | | | | | | |
| 5,900.0 | 5,830.8 | 5,848.1 | 5,836.9 | 18.6 | 10.8 | 174.23 | 93.1 | 263.7 | 1,135.1 | 1,114.6 | 20.45 | 55.507 | | | | | | | |
| 6,000.0 | 5,929.5 | 5,946.8 | 5,935.7 | 19.0 | 11.0 | 174.32 | 92.8 | 263.2 | 1,150.4 | 1,129.6 | 20.79 | 55.325 | | | | | | | |
| 6,100.0 | 6,028.2 | 6,045.6 | 6,034.5 | 19.3 | 11.1 | 174.41 | 92.5 | 262.7 | 1,165.8 | 1,144.7 | 21.14 | 55.150 | | | | | | | |
| 6,200.0 | 6,126.9 | 6,144.4 | 6,133.3 | 19.6 | 11.3 | 174.50 | 92.2 | 262.1 | 1,181.2 | 1,159.7 | 21.48 | 54.981 | | | | | | | |
| 6,300.0 | 6,225.7 | 6,243.2 | 6,232.1 | 20.0 | 11.5 | 174.59 | 91.9 | 261.6 | 1,196.5 | 1,174.7 | 21.83 | 54.817 | | | | | | | |
| 6,400.0 | 6,324.4 | 6,342.0 | 6,330.9 | 20.3 | 11.6 | 174.68 | 91.6 | 261.1 | 1,211.9 | 1,189.7 | 22.17 | 54.658 | | | | | | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-23D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|----------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.67 | 95.4 | 71.1 | 119.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 36.67 | 95.4 | 71.1 | 119.0 | 118.7 | 0.27 | 436.973 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 36.67 | 95.4 | 71.1 | 119.0 | 118.4 | 0.62 | 191.483 CC, ES | | |
| 300.0 | 300.0 | 296.0 | 296.0 | 0.5 | 0.5 | 123.08 | 96.5 | 72.2 | 121.6 | 120.6 | 0.97 | 125.826 | | |
| 400.0 | 399.8 | 391.4 | 391.3 | 0.7 | 0.7 | 125.20 | 99.7 | 75.8 | 129.5 | 128.1 | 1.32 | 97.976 | | |
| 500.0 | 499.5 | 489.8 | 489.4 | 0.9 | 0.9 | 128.26 | 104.4 | 81.0 | 141.7 | 140.0 | 1.70 | 83.529 | | |
| 600.0 | 598.7 | 588.2 | 587.5 | 1.2 | 1.1 | 131.74 | 109.1 | 86.2 | 156.7 | 154.6 | 2.09 | 75.010 | | |
| 700.0 | 697.5 | 686.0 | 685.1 | 1.5 | 1.3 | 135.38 | 113.8 | 91.3 | 174.5 | 172.0 | 2.49 | 70.125 | | |
| 800.0 | 796.2 | 783.7 | 782.5 | 1.8 | 1.5 | 138.60 | 118.5 | 96.5 | 193.3 | 190.4 | 2.88 | 67.061 | | |
| 900.0 | 894.9 | 881.3 | 880.0 | 2.1 | 1.7 | 141.24 | 123.2 | 101.6 | 212.6 | 209.4 | 3.27 | 64.985 | | |
| 1,000.0 | 993.7 | 979.0 | 977.4 | 2.4 | 1.9 | 143.45 | 127.9 | 106.8 | 232.3 | 228.6 | 3.66 | 63.527 | | |
| 1,100.0 | 1,092.4 | 1,076.7 | 1,074.8 | 2.8 | 2.1 | 145.31 | 132.5 | 112.0 | 252.3 | 248.2 | 4.04 | 62.470 | | |
| 1,200.0 | 1,191.1 | 1,174.4 | 1,172.3 | 3.1 | 2.3 | 146.89 | 137.2 | 117.1 | 272.4 | 268.0 | 4.42 | 61.684 | | |
| 1,300.0 | 1,289.8 | 1,272.1 | 1,269.7 | 3.4 | 2.5 | 148.26 | 141.9 | 122.3 | 292.8 | 288.0 | 4.79 | 61.085 | | |
| 1,400.0 | 1,388.5 | 1,369.8 | 1,367.1 | 3.7 | 2.7 | 149.45 | 146.6 | 127.4 | 313.3 | 308.1 | 5.17 | 60.619 | | |
| 1,500.0 | 1,487.2 | 1,467.4 | 1,464.6 | 4.1 | 2.9 | 150.49 | 151.3 | 132.6 | 333.9 | 328.4 | 5.54 | 60.252 | | |
| 1,600.0 | 1,586.0 | 1,565.1 | 1,562.0 | 4.4 | 3.2 | 151.42 | 155.9 | 137.7 | 354.6 | 348.7 | 5.91 | 59.958 | | |
| 1,700.0 | 1,684.7 | 1,662.8 | 1,659.4 | 4.7 | 3.4 | 152.24 | 160.6 | 142.9 | 375.4 | 369.1 | 6.29 | 59.719 | | |
| 1,800.0 | 1,783.4 | 1,760.5 | 1,756.9 | 5.1 | 3.6 | 152.97 | 165.3 | 148.1 | 396.2 | 389.6 | 6.66 | 59.522 | | |
| 1,900.0 | 1,882.1 | 1,858.2 | 1,854.3 | 5.4 | 3.8 | 153.64 | 170.0 | 153.2 | 417.1 | 410.1 | 7.03 | 59.359 | | |
| 2,000.0 | 1,980.8 | 1,955.9 | 1,951.7 | 5.7 | 4.0 | 154.23 | 174.7 | 158.4 | 438.1 | 430.7 | 7.40 | 59.222 | | |
| 2,100.0 | 2,079.6 | 2,053.5 | 2,049.2 | 6.1 | 4.2 | 154.78 | 179.3 | 163.5 | 459.1 | 451.3 | 7.77 | 59.107 | | |
| 2,200.0 | 2,178.3 | 2,151.2 | 2,146.6 | 6.4 | 4.4 | 155.27 | 184.0 | 168.7 | 480.1 | 472.0 | 8.14 | 59.008 | | |
| 2,300.0 | 2,277.0 | 2,248.9 | 2,244.0 | 6.7 | 4.6 | 155.73 | 188.7 | 173.9 | 501.2 | 492.7 | 8.51 | 58.924 | | |
| 2,400.0 | 2,375.7 | 2,346.6 | 2,341.5 | 7.0 | 4.8 | 156.15 | 193.4 | 179.0 | 522.2 | 513.4 | 8.87 | 58.851 | | |
| 2,500.0 | 2,474.4 | 2,444.3 | 2,438.9 | 7.4 | 5.0 | 156.53 | 198.1 | 184.2 | 543.4 | 534.1 | 9.24 | 58.787 | | |
| 2,600.0 | 2,573.1 | 2,542.0 | 2,536.3 | 7.7 | 5.2 | 156.89 | 202.8 | 189.3 | 564.5 | 554.9 | 9.61 | 58.732 | | |
| 2,700.0 | 2,671.9 | 2,639.6 | 2,633.8 | 8.0 | 5.5 | 157.22 | 207.4 | 194.5 | 585.6 | 575.7 | 9.98 | 58.683 | | |
| 2,800.0 | 2,770.6 | 2,737.3 | 2,731.2 | 8.4 | 5.7 | 157.53 | 212.1 | 199.7 | 606.8 | 596.5 | 10.35 | 58.640 | | |
| 2,900.0 | 2,869.3 | 2,835.0 | 2,828.6 | 8.7 | 5.9 | 157.82 | 216.8 | 204.8 | 628.0 | 617.3 | 10.72 | 58.602 | | |
| 3,000.0 | 2,968.0 | 2,932.7 | 2,926.1 | 9.0 | 6.1 | 158.09 | 221.5 | 210.0 | 649.2 | 638.1 | 11.08 | 58.569 | | |
| 3,100.0 | 3,066.7 | 3,030.4 | 3,023.5 | 9.4 | 6.3 | 158.34 | 226.2 | 215.1 | 670.4 | 659.0 | 11.45 | 58.539 | | |
| 3,200.0 | 3,165.4 | 3,128.1 | 3,120.9 | 9.7 | 6.5 | 158.57 | 230.8 | 220.3 | 691.6 | 679.8 | 11.82 | 58.512 | | |
| 3,300.0 | 3,264.2 | 3,225.7 | 3,218.4 | 10.0 | 6.7 | 158.80 | 235.5 | 225.4 | 712.9 | 700.7 | 12.19 | 58.487 | | |
| 3,400.0 | 3,362.9 | 3,323.4 | 3,315.8 | 10.4 | 6.9 | 159.00 | 240.2 | 230.6 | 734.1 | 721.6 | 12.56 | 58.465 | | |
| 3,500.0 | 3,461.6 | 3,421.1 | 3,413.2 | 10.7 | 7.1 | 159.20 | 244.9 | 235.8 | 755.4 | 742.5 | 12.92 | 58.446 | | |
| 3,600.0 | 3,560.3 | 3,518.8 | 3,510.7 | 11.0 | 7.3 | 159.39 | 249.6 | 240.9 | 776.6 | 763.3 | 13.29 | 58.428 | | |
| 3,700.0 | 3,659.0 | 3,616.5 | 3,608.1 | 11.3 | 7.5 | 159.57 | 254.2 | 246.1 | 797.9 | 784.3 | 13.66 | 58.411 | | |
| 3,800.0 | 3,757.7 | 3,714.1 | 3,705.5 | 11.7 | 7.8 | 159.73 | 258.9 | 251.2 | 819.2 | 805.2 | 14.03 | 58.396 | | |
| 3,900.0 | 3,856.5 | 3,811.8 | 3,803.0 | 12.0 | 8.0 | 159.89 | 263.6 | 256.4 | 840.5 | 826.1 | 14.40 | 58.383 | | |
| 4,000.0 | 3,955.2 | 3,909.5 | 3,900.4 | 12.3 | 8.2 | 160.04 | 268.3 | 261.6 | 861.8 | 847.0 | 14.76 | 58.370 | | |
| 4,100.0 | 4,053.9 | 4,007.2 | 3,997.9 | 12.7 | 8.4 | 160.19 | 273.0 | 266.7 | 883.1 | 867.9 | 15.13 | 58.359 | | |
| 4,200.0 | 4,152.6 | 4,104.9 | 4,095.3 | 13.0 | 8.6 | 160.32 | 277.6 | 271.9 | 904.4 | 888.9 | 15.50 | 58.348 | | |
| 4,300.0 | 4,251.3 | 4,202.6 | 4,192.7 | 13.3 | 8.8 | 160.46 | 282.3 | 277.0 | 925.7 | 909.8 | 15.87 | 58.339 | | |
| 4,400.0 | 4,350.0 | 4,300.2 | 4,290.2 | 13.7 | 9.0 | 160.58 | 287.0 | 282.2 | 947.0 | 930.7 | 16.23 | 58.330 | | |
| 4,500.0 | 4,448.8 | 4,397.9 | 4,387.6 | 14.0 | 9.2 | 160.70 | 291.7 | 287.3 | 968.3 | 951.7 | 16.60 | 58.322 | | |
| 4,600.0 | 4,547.5 | 4,495.6 | 4,485.0 | 14.3 | 9.4 | 160.81 | 296.4 | 292.5 | 989.6 | 972.6 | 16.97 | 58.314 | | |
| 4,700.0 | 4,646.2 | 4,593.3 | 4,582.5 | 14.7 | 9.6 | 160.92 | 301.0 | 297.7 | 1,010.9 | 993.6 | 17.34 | 58.307 | | |
| 4,800.0 | 4,744.9 | 4,691.0 | 4,679.9 | 15.0 | 9.9 | 161.03 | 305.7 | 302.8 | 1,032.2 | 1,014.5 | 17.71 | 58.300 | | |
| 4,900.0 | 4,843.6 | 4,788.7 | 4,777.3 | 15.3 | 10.1 | 161.13 | 310.4 | 308.0 | 1,053.6 | 1,035.5 | 18.07 | 58.294 | | |
| 5,000.0 | 4,942.3 | 4,886.3 | 4,874.8 | 15.7 | 10.3 | 161.23 | 315.1 | 313.1 | 1,074.9 | 1,056.5 | 18.44 | 58.289 | | |
| 5,100.0 | 5,041.1 | 4,984.0 | 4,972.2 | 16.0 | 10.5 | 161.32 | 319.8 | 318.3 | 1,096.2 | 1,077.4 | 18.81 | 58.283 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-23D - DD - Plan #2 | | | Offset Site Error: | | 0.0 ft |
|-----------------------|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|---|-------------------|---------|--------------------|--|--------|
| Survey Program: 0-MWD | | | | | | | | | | | Offset Well Error: | | 0.0 ft | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Total Uncertainty Axis | Separation Factor | | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | | | | | | |
| 5,200.0 | 5,139.8 | 5,081.7 | 5,069.6 | 16.3 | 10.7 | 161.41 | 324.5 | 323.5 | 1,117.6 | 1,098.4 | 19.18 | 58.278 | | | | |
| 5,300.0 | 5,238.5 | 5,179.4 | 5,167.1 | 16.7 | 10.9 | 161.50 | 329.1 | 328.6 | 1,138.9 | 1,119.4 | 19.54 | 58.274 | | | | |
| 5,400.0 | 5,337.2 | 5,277.1 | 5,264.5 | 17.0 | 11.1 | 161.58 | 333.8 | 333.8 | 1,160.2 | 1,140.3 | 19.91 | 58.269 | | | | |
| 5,500.0 | 5,435.9 | 5,374.8 | 5,361.9 | 17.3 | 11.3 | 161.66 | 338.5 | 338.9 | 1,181.6 | 1,161.3 | 20.28 | 58.265 | | | | |
| 5,600.0 | 5,534.6 | 5,472.4 | 5,459.4 | 17.6 | 11.5 | 161.74 | 343.2 | 344.1 | 1,202.9 | 1,182.3 | 20.65 | 58.261 SF | | | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|---------|--------------------|--------|
| Survey Program: 139-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | Total | | Separation | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.64 | 83.4 | 62.0 | 103.9 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 36.62 | 83.8 | 62.3 | 104.4 | 104.2 | 0.28 | 369.120 | | |
| 200.0 | 200.0 | 197.4 | 197.4 | 0.3 | 0.3 | 36.50 | 85.2 | 63.1 | 106.1 | 105.4 | 0.62 | 170.291 | | |
| 300.0 | 300.0 | 295.3 | 295.3 | 0.5 | 0.5 | 122.27 | 88.5 | 64.2 | 110.3 | 109.4 | 0.97 | 114.108 | | |
| 400.0 | 399.8 | 391.4 | 391.1 | 0.7 | 0.7 | 122.88 | 94.5 | 65.2 | 118.8 | 117.5 | 1.33 | 89.315 | | |
| 500.0 | 499.5 | 486.6 | 485.8 | 0.9 | 0.9 | 123.80 | 103.9 | 67.0 | 132.5 | 130.8 | 1.72 | 77.001 | | |
| 600.0 | 598.7 | 584.9 | 583.4 | 1.2 | 1.2 | 124.82 | 116.2 | 68.3 | 149.9 | 147.8 | 2.16 | 69.376 | | |
| 700.0 | 697.5 | 683.0 | 680.5 | 1.5 | 1.5 | 125.78 | 129.7 | 67.7 | 169.0 | 166.3 | 2.65 | 63.865 | | |
| 800.0 | 796.2 | 779.8 | 776.3 | 1.8 | 1.8 | 126.66 | 143.6 | 66.9 | 188.7 | 185.6 | 3.14 | 60.188 | | |
| 900.0 | 894.9 | 874.7 | 870.2 | 2.1 | 2.0 | 127.73 | 157.2 | 67.9 | 209.6 | 206.0 | 3.62 | 57.977 | | |
| 1,000.0 | 993.7 | 972.8 | 967.3 | 2.4 | 2.3 | 128.68 | 171.5 | 69.3 | 231.1 | 227.0 | 4.11 | 56.168 | | |
| 1,100.0 | 1,092.4 | 1,067.2 | 1,060.5 | 2.8 | 2.6 | 129.42 | 185.7 | 71.0 | 253.2 | 248.6 | 4.60 | 55.022 | | |
| 1,200.0 | 1,191.1 | 1,164.2 | 1,156.3 | 3.1 | 3.0 | 129.93 | 201.1 | 72.7 | 276.0 | 270.9 | 5.11 | 54.015 | | |
| 1,300.0 | 1,289.8 | 1,262.3 | 1,253.2 | 3.4 | 3.3 | 130.39 | 216.7 | 74.7 | 298.9 | 293.3 | 5.61 | 53.265 | | |
| 1,400.0 | 1,388.5 | 1,364.3 | 1,354.0 | 3.7 | 3.6 | 130.92 | 231.6 | 76.3 | 320.6 | 314.5 | 6.12 | 52.397 | | |
| 1,500.0 | 1,487.2 | 1,461.0 | 1,449.8 | 4.1 | 3.9 | 131.43 | 245.2 | 77.8 | 342.0 | 335.4 | 6.61 | 51.743 | | |
| 1,600.0 | 1,586.0 | 1,558.6 | 1,546.4 | 4.4 | 4.2 | 131.95 | 258.8 | 79.8 | 363.7 | 356.6 | 7.10 | 51.208 | | |
| 1,700.0 | 1,684.7 | 1,659.2 | 1,646.0 | 4.7 | 4.5 | 132.40 | 272.6 | 81.4 | 384.9 | 377.3 | 7.60 | 50.626 | | |
| 1,800.0 | 1,783.4 | 1,758.9 | 1,744.8 | 5.1 | 4.7 | 132.81 | 285.7 | 82.5 | 405.4 | 397.3 | 8.10 | 50.060 | | |
| 1,900.0 | 1,882.1 | 1,856.5 | 1,841.6 | 5.4 | 5.0 | 133.23 | 298.2 | 83.8 | 425.9 | 417.3 | 8.58 | 49.610 | | |
| 2,000.0 | 1,980.8 | 1,953.1 | 1,937.5 | 5.7 | 5.3 | 133.67 | 310.3 | 85.4 | 446.4 | 437.3 | 9.06 | 49.267 | | |
| 2,100.0 | 2,079.6 | 2,048.7 | 2,032.3 | 6.1 | 5.6 | 134.15 | 322.0 | 87.9 | 467.5 | 457.9 | 9.53 | 49.052 | | |
| 2,200.0 | 2,178.3 | 2,147.3 | 2,130.1 | 6.4 | 5.8 | 134.58 | 334.4 | 90.4 | 488.7 | 478.7 | 10.01 | 48.838 | | |
| 2,300.0 | 2,277.0 | 2,247.7 | 2,229.7 | 6.7 | 6.1 | 134.99 | 346.6 | 92.6 | 509.5 | 499.0 | 10.49 | 48.579 | | |
| 2,400.0 | 2,375.7 | 2,343.2 | 2,324.5 | 7.0 | 6.4 | 135.33 | 358.2 | 94.4 | 530.1 | 519.2 | 10.96 | 48.366 | | |
| 2,500.0 | 2,474.4 | 2,436.6 | 2,417.1 | 7.4 | 6.7 | 135.61 | 370.3 | 96.8 | 551.7 | 540.2 | 11.44 | 48.241 | | |
| 2,600.0 | 2,573.1 | 2,530.3 | 2,509.8 | 7.7 | 7.0 | 135.75 | 383.7 | 98.6 | 573.7 | 561.7 | 11.93 | 48.099 | | |
| 2,700.0 | 2,671.9 | 2,624.4 | 2,602.8 | 8.0 | 7.3 | 135.78 | 398.5 | 100.6 | 596.6 | 584.2 | 12.42 | 48.025 | | |
| 2,800.0 | 2,770.6 | 2,725.9 | 2,703.0 | 8.4 | 7.6 | 135.84 | 413.9 | 102.8 | 619.4 | 606.4 | 12.94 | 47.879 | | |
| 2,900.0 | 2,869.3 | 2,826.7 | 2,802.7 | 8.7 | 7.9 | 135.86 | 429.2 | 104.2 | 641.4 | 627.9 | 13.46 | 47.668 | | |
| 3,000.0 | 2,968.0 | 2,925.9 | 2,900.7 | 9.0 | 8.2 | 135.83 | 444.5 | 104.9 | 663.1 | 649.1 | 13.98 | 47.444 | | |
| 3,100.0 | 3,066.7 | 3,030.6 | 3,004.2 | 9.4 | 8.5 | 135.79 | 460.3 | 105.2 | 684.4 | 669.9 | 14.51 | 47.177 | | |
| 3,200.0 | 3,165.4 | 3,122.7 | 3,095.3 | 9.7 | 8.8 | 135.82 | 473.4 | 105.5 | 705.1 | 690.1 | 15.00 | 47.009 | | |
| 3,300.0 | 3,264.2 | 3,204.7 | 3,176.4 | 10.0 | 9.1 | 135.85 | 485.8 | 106.9 | 727.5 | 712.0 | 15.47 | 47.039 | | |
| 3,400.0 | 3,362.9 | 3,297.7 | 3,268.1 | 10.4 | 9.4 | 135.89 | 500.9 | 110.0 | 751.7 | 735.8 | 15.95 | 47.118 | | |
| 3,500.0 | 3,461.6 | 3,412.1 | 3,381.1 | 10.7 | 9.8 | 135.97 | 518.4 | 113.1 | 774.8 | 758.3 | 16.50 | 46.971 | | |
| 3,600.0 | 3,560.3 | 3,501.4 | 3,469.4 | 11.0 | 10.1 | 135.99 | 531.8 | 114.3 | 796.8 | 779.8 | 16.99 | 46.906 | | |
| 3,700.0 | 3,659.0 | 3,596.9 | 3,563.6 | 11.3 | 10.4 | 135.97 | 547.3 | 116.3 | 820.1 | 802.6 | 17.49 | 46.892 | | |
| 3,800.0 | 3,757.7 | 3,684.3 | 3,649.9 | 11.7 | 10.7 | 135.99 | 561.2 | 118.4 | 843.5 | 825.6 | 17.98 | 46.920 | | |
| 3,900.0 | 3,856.5 | 3,763.5 | 3,727.7 | 12.0 | 11.0 | 135.93 | 575.5 | 120.9 | 868.7 | 850.3 | 18.46 | 47.072 | | |
| 4,000.0 | 3,955.2 | 3,851.5 | 3,813.8 | 12.3 | 11.3 | 135.83 | 593.0 | 124.5 | 895.8 | 876.9 | 18.96 | 47.240 | | |
| 4,100.0 | 4,053.9 | 3,957.8 | 3,917.9 | 12.7 | 11.7 | 135.66 | 614.3 | 128.0 | 922.3 | 902.8 | 19.54 | 47.214 | | |
| 4,200.0 | 4,152.6 | 4,062.7 | 4,020.6 | 13.0 | 12.1 | 135.44 | 635.6 | 130.0 | 948.1 | 928.0 | 20.10 | 47.161 | | |
| 4,300.0 | 4,251.3 | 4,163.6 | 4,119.6 | 13.3 | 12.5 | 135.29 | 654.9 | 131.9 | 973.0 | 952.3 | 20.66 | 47.098 | | |
| 4,400.0 | 4,350.0 | 4,253.2 | 4,207.4 | 13.7 | 12.9 | 135.11 | 672.9 | 133.0 | 998.1 | 976.9 | 21.20 | 47.086 | | |
| 4,500.0 | 4,448.8 | 4,352.0 | 4,304.0 | 14.0 | 13.2 | 134.88 | 693.5 | 134.4 | 1,023.8 | 1,002.1 | 21.75 | 47.063 | | |
| 4,600.0 | 4,547.5 | 4,455.8 | 4,405.9 | 14.3 | 13.6 | 134.74 | 713.6 | 136.1 | 1,048.8 | 1,026.5 | 22.32 | 46.997 | | |
| 4,700.0 | 4,646.2 | 4,560.5 | 4,508.8 | 14.7 | 14.0 | 134.63 | 733.1 | 137.7 | 1,073.2 | 1,050.3 | 22.87 | 46.923 | | |
| 4,800.0 | 4,744.9 | 4,662.7 | 4,609.4 | 15.0 | 14.4 | 134.56 | 751.1 | 139.3 | 1,096.9 | 1,073.5 | 23.41 | 46.853 | | |
| 4,900.0 | 4,843.6 | 4,765.0 | 4,710.1 | 15.3 | 14.7 | 134.54 | 768.3 | 140.7 | 1,120.0 | 1,096.0 | 23.94 | 46.776 | | |
| 5,000.0 | 4,942.3 | 4,859.0 | 4,802.8 | 15.7 | 15.0 | 134.51 | 784.1 | 142.0 | 1,143.2 | 1,118.7 | 24.46 | 46.728 | | |
| 5,100.0 | 5,041.1 | 4,962.9 | 4,905.2 | 16.0 | 15.4 | 134.48 | 801.7 | 143.6 | 1,166.5 | 1,141.5 | 25.00 | 46.661 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | | | | | |
|-----------------|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|--|-------------------|--------------------|--------------------|--------|--------|--|
| Offset Design | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-25D - DD - DD | | | Offset Site Error: | | 0.0 ft | |
| Survey Program: | | 139-MWD | | | | | | | | | | | Offset Well Error: | | 0.0 ft | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Total Uncertainty Axis | Separation Factor | | | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | | | | | | | |
| 5,200.0 | 5,139.8 | 5,060.9 | 5,002.0 | 16.3 | 15.7 | 134.50 | 817.3 | 145.1 | 1,189.2 | 1,163.7 | 25.52 | 46.606 SF | | | | | |
| 5,300.0 | 5,238.5 | 5,146.0 | 5,085.8 | 16.7 | 16.0 | 134.47 | 831.7 | 146.4 | 1,212.5 | 1,186.5 | 26.02 | 46.606 | | | | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-32D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|---------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | Total | Separation | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -143.32 | -48.1 | -35.8 | 60.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -143.32 | -48.1 | -35.8 | 60.0 | 59.7 | 0.27 | 220.185 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -143.32 | -48.1 | -35.8 | 60.0 | 59.3 | 0.62 | 96.486 CC, ES | | |
| 300.0 | 300.0 | 297.9 | 297.9 | 0.5 | 0.5 | -58.94 | -49.4 | -36.9 | 60.7 | 59.8 | 0.97 | 62.645 | | |
| 400.0 | 399.8 | 395.7 | 395.6 | 0.7 | 0.7 | -62.51 | -53.2 | -40.1 | 63.3 | 61.9 | 1.33 | 47.502 | | |
| 500.0 | 499.5 | 493.2 | 492.7 | 0.9 | 0.9 | -67.81 | -59.6 | -45.4 | 68.0 | 66.3 | 1.73 | 39.376 | | |
| 600.0 | 598.7 | 590.3 | 589.1 | 1.2 | 1.2 | -73.98 | -68.4 | -52.8 | 75.5 | 73.3 | 2.18 | 34.640 | | |
| 700.0 | 697.5 | 686.8 | 684.5 | 1.5 | 1.5 | -80.09 | -79.7 | -62.3 | 86.2 | 83.5 | 2.70 | 31.967 | | |
| 800.0 | 796.2 | 782.8 | 778.8 | 1.8 | 1.8 | -84.29 | -93.4 | -73.7 | 100.5 | 97.3 | 3.25 | 30.904 | | |
| 900.0 | 894.9 | 878.3 | 872.0 | 2.1 | 2.2 | -86.56 | -109.4 | -87.1 | 118.0 | 114.2 | 3.83 | 30.788 | | |
| 1,000.0 | 893.7 | 876.4 | 867.4 | 2.4 | 2.6 | -87.94 | -126.9 | -101.7 | 136.8 | 132.4 | 4.44 | 30.847 | | |
| 1,100.0 | 1,092.4 | 1,074.6 | 1,062.9 | 2.8 | 3.0 | -88.99 | -144.4 | -116.4 | 155.7 | 150.6 | 5.05 | 30.839 | | |
| 1,200.0 | 1,191.1 | 1,172.8 | 1,158.4 | 3.1 | 3.5 | -89.82 | -162.0 | -131.0 | 174.6 | 168.9 | 5.67 | 30.798 | | |
| 1,300.0 | 1,289.8 | 1,271.0 | 1,253.9 | 3.4 | 3.9 | -90.48 | -179.5 | -145.7 | 193.5 | 187.2 | 6.30 | 30.742 | | |
| 1,400.0 | 1,388.5 | 1,369.1 | 1,349.3 | 3.7 | 4.3 | -91.02 | -197.0 | -160.3 | 212.5 | 205.6 | 6.93 | 30.681 | | |
| 1,500.0 | 1,487.2 | 1,467.3 | 1,444.8 | 4.1 | 4.7 | -91.48 | -214.5 | -175.0 | 231.5 | 223.9 | 7.56 | 30.619 | | |
| 1,600.0 | 1,586.0 | 1,565.5 | 1,540.3 | 4.4 | 5.2 | -91.87 | -232.0 | -189.6 | 250.5 | 242.3 | 8.20 | 30.560 | | |
| 1,700.0 | 1,684.7 | 1,663.6 | 1,635.8 | 4.7 | 5.6 | -92.20 | -249.6 | -204.3 | 269.5 | 260.6 | 8.83 | 30.504 | | |
| 1,800.0 | 1,783.4 | 1,761.8 | 1,731.2 | 5.1 | 6.0 | -92.49 | -267.1 | -218.9 | 288.5 | 279.0 | 9.47 | 30.451 | | |
| 1,900.0 | 1,882.1 | 1,860.0 | 1,826.7 | 5.4 | 6.5 | -92.74 | -284.6 | -233.6 | 307.5 | 297.4 | 10.11 | 30.402 | | |
| 2,000.0 | 1,980.8 | 1,958.1 | 1,922.2 | 5.7 | 6.9 | -92.96 | -302.1 | -248.2 | 326.5 | 315.8 | 10.76 | 30.356 | | |
| 2,100.0 | 2,079.6 | 2,056.3 | 2,017.6 | 6.1 | 7.4 | -93.16 | -319.7 | -262.9 | 345.5 | 334.1 | 11.40 | 30.314 | | |
| 2,200.0 | 2,178.3 | 2,154.5 | 2,113.1 | 6.4 | 7.8 | -93.34 | -337.2 | -277.5 | 364.6 | 352.5 | 12.04 | 30.275 | | |
| 2,300.0 | 2,277.0 | 2,252.6 | 2,208.6 | 6.7 | 8.2 | -93.50 | -354.7 | -292.2 | 383.6 | 370.9 | 12.69 | 30.238 | | |
| 2,400.0 | 2,375.7 | 2,350.8 | 2,304.1 | 7.0 | 8.7 | -93.64 | -372.2 | -306.8 | 402.6 | 389.3 | 13.33 | 30.204 | | |
| 2,500.0 | 2,474.4 | 2,449.0 | 2,399.5 | 7.4 | 9.1 | -93.78 | -389.7 | -321.5 | 421.6 | 407.7 | 13.97 | 30.173 | | |
| 2,600.0 | 2,573.1 | 2,547.1 | 2,495.0 | 7.7 | 9.5 | -93.90 | -407.3 | -336.1 | 440.7 | 426.1 | 14.62 | 30.143 | | |
| 2,700.0 | 2,671.9 | 2,645.3 | 2,590.5 | 8.0 | 10.0 | -94.01 | -424.8 | -350.8 | 459.7 | 444.5 | 15.27 | 30.116 | | |
| 2,800.0 | 2,770.6 | 2,743.5 | 2,686.0 | 8.4 | 10.4 | -94.11 | -442.3 | -365.4 | 478.8 | 462.9 | 15.91 | 30.090 | | |
| 2,900.0 | 2,869.3 | 2,841.6 | 2,781.4 | 8.7 | 10.8 | -94.20 | -459.8 | -380.1 | 497.8 | 481.2 | 16.56 | 30.066 | | |
| 3,000.0 | 2,968.0 | 2,939.8 | 2,876.9 | 9.0 | 11.3 | -94.29 | -477.4 | -394.7 | 516.8 | 499.6 | 17.20 | 30.044 | | |
| 3,100.0 | 3,066.7 | 3,038.0 | 2,972.4 | 9.4 | 11.7 | -94.37 | -494.9 | -409.4 | 535.9 | 518.0 | 17.85 | 30.023 | | |
| 3,200.0 | 3,165.4 | 3,136.1 | 3,067.9 | 9.7 | 12.2 | -94.45 | -512.4 | -424.0 | 554.9 | 536.4 | 18.50 | 30.003 | | |
| 3,300.0 | 3,264.2 | 3,234.3 | 3,163.3 | 10.0 | 12.6 | -94.52 | -529.9 | -438.7 | 574.0 | 554.8 | 19.14 | 29.984 | | |
| 3,400.0 | 3,362.9 | 3,332.5 | 3,258.8 | 10.4 | 13.0 | -94.58 | -547.4 | -453.3 | 593.0 | 573.2 | 19.79 | 29.966 | | |
| 3,500.0 | 3,461.6 | 3,430.6 | 3,354.3 | 10.7 | 13.5 | -94.64 | -565.0 | -468.0 | 612.1 | 591.6 | 20.44 | 29.949 | | |
| 3,600.0 | 3,560.3 | 3,528.8 | 3,449.8 | 11.0 | 13.9 | -94.70 | -582.5 | -482.6 | 631.1 | 610.0 | 21.08 | 29.933 | | |
| 3,700.0 | 3,659.0 | 3,627.0 | 3,545.2 | 11.3 | 14.3 | -94.76 | -600.0 | -497.3 | 650.2 | 628.4 | 21.73 | 29.918 | | |
| 3,800.0 | 3,757.7 | 3,725.1 | 3,640.7 | 11.7 | 14.8 | -94.81 | -617.5 | -511.9 | 669.2 | 646.8 | 22.38 | 29.904 | | |
| 3,900.0 | 3,856.5 | 3,823.3 | 3,736.2 | 12.0 | 15.2 | -94.86 | -635.1 | -526.6 | 688.3 | 665.2 | 23.03 | 29.890 | | |
| 4,000.0 | 3,955.2 | 3,921.5 | 3,831.6 | 12.3 | 15.7 | -94.90 | -652.6 | -541.2 | 707.3 | 683.6 | 23.67 | 29.877 | | |
| 4,100.0 | 4,053.9 | 4,019.6 | 3,927.1 | 12.7 | 16.1 | -94.95 | -670.1 | -555.9 | 726.3 | 702.0 | 24.32 | 29.865 | | |
| 4,200.0 | 4,152.6 | 4,117.8 | 4,022.6 | 13.0 | 16.5 | -94.99 | -687.6 | -570.5 | 745.4 | 720.4 | 24.97 | 29.853 | | |
| 4,300.0 | 4,251.3 | 4,216.0 | 4,118.1 | 13.3 | 17.0 | -95.03 | -705.2 | -585.2 | 764.4 | 738.8 | 25.62 | 29.842 | | |
| 4,400.0 | 4,350.0 | 4,314.1 | 4,213.5 | 13.7 | 17.4 | -95.06 | -722.7 | -599.8 | 783.5 | 757.2 | 26.26 | 29.831 | | |
| 4,500.0 | 4,448.8 | 4,412.3 | 4,309.0 | 14.0 | 17.8 | -95.10 | -740.2 | -614.5 | 802.5 | 775.6 | 26.91 | 29.821 | | |
| 4,600.0 | 4,547.5 | 4,510.5 | 4,404.5 | 14.3 | 18.3 | -95.13 | -757.7 | -629.1 | 821.6 | 794.0 | 27.56 | 29.811 | | |
| 4,700.0 | 4,646.2 | 4,608.6 | 4,500.0 | 14.7 | 18.7 | -95.17 | -775.2 | -643.8 | 840.6 | 812.4 | 28.21 | 29.801 | | |
| 4,800.0 | 4,744.9 | 4,706.8 | 4,595.4 | 15.0 | 19.2 | -95.20 | -792.8 | -658.4 | 859.7 | 830.8 | 28.86 | 29.792 | | |
| 4,900.0 | 4,843.6 | 4,805.0 | 4,690.9 | 15.3 | 19.6 | -95.23 | -810.3 | -673.1 | 878.8 | 849.2 | 29.50 | 29.784 | | |
| 5,000.0 | 4,942.3 | 4,903.1 | 4,786.4 | 15.7 | 20.0 | -95.26 | -827.8 | -687.7 | 897.8 | 867.7 | 30.15 | 29.775 | | |
| 5,100.0 | 5,041.1 | 5,001.3 | 4,881.9 | 16.0 | 20.5 | -95.28 | -845.3 | -702.4 | 916.9 | 886.1 | 30.80 | 29.767 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-32D - DD - Plan #2 | | Offset Site Error: | | 0.0 ft |
|---------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|---|--|--------------------|--|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | | |
| Measured Depth Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | | | |
| 5,200.0 | 5,139.8 | 5,099.5 | 4,977.3 | 16.3 | 20.9 | -95.31 | -862.9 | -717.0 | 935.9 | 904.5 | 31.45 | 29.759 | | | | |
| 5,300.0 | 5,238.5 | 5,197.7 | 5,072.8 | 16.7 | 21.3 | -95.33 | -880.4 | -731.7 | 955.0 | 922.9 | 32.10 | 29.752 | | | | |
| 5,400.0 | 5,337.2 | 5,295.8 | 5,168.3 | 17.0 | 21.8 | -95.36 | -897.9 | -746.3 | 974.0 | 941.3 | 32.75 | 29.745 | | | | |
| 5,500.0 | 5,435.9 | 5,394.0 | 5,263.7 | 17.3 | 22.2 | -95.38 | -915.4 | -761.0 | 993.1 | 959.7 | 33.39 | 29.738 | | | | |
| 5,600.0 | 5,534.6 | 5,492.2 | 5,359.2 | 17.6 | 22.7 | -95.40 | -932.9 | -775.6 | 1,012.1 | 978.1 | 34.04 | 29.731 | | | | |
| 5,700.0 | 5,633.4 | 5,590.3 | 5,454.7 | 18.0 | 23.1 | -95.42 | -950.5 | -790.3 | 1,031.2 | 996.5 | 34.69 | 29.725 | | | | |
| 5,800.0 | 5,732.1 | 5,688.5 | 5,550.2 | 18.3 | 23.5 | -95.45 | -968.0 | -804.9 | 1,050.2 | 1,014.9 | 35.34 | 29.719 | | | | |
| 5,900.0 | 5,830.8 | 5,786.7 | 5,645.6 | 18.6 | 24.0 | -95.47 | -985.5 | -819.6 | 1,069.3 | 1,033.3 | 35.99 | 29.713 | | | | |
| 6,000.0 | 5,929.5 | 5,884.8 | 5,741.1 | 19.0 | 24.4 | -95.48 | -1,003.0 | -834.2 | 1,088.3 | 1,051.7 | 36.64 | 29.707 | | | | |
| 6,100.0 | 6,028.2 | 5,983.0 | 5,836.6 | 19.3 | 24.8 | -95.50 | -1,020.6 | -848.9 | 1,107.4 | 1,070.1 | 37.28 | 29.701 | | | | |
| 6,200.0 | 6,126.9 | 6,081.2 | 5,932.1 | 19.6 | 25.3 | -95.52 | -1,038.1 | -863.5 | 1,126.4 | 1,088.5 | 37.93 | 29.696 | | | | |
| 6,300.0 | 6,225.7 | 6,179.3 | 6,027.5 | 20.0 | 25.7 | -95.54 | -1,055.6 | -878.2 | 1,145.5 | 1,106.9 | 38.58 | 29.690 | | | | |
| 6,400.0 | 6,324.4 | 6,277.5 | 6,123.0 | 20.3 | 26.2 | -95.56 | -1,073.1 | -892.8 | 1,164.5 | 1,125.3 | 39.23 | 29.685 | | | | |
| 6,500.0 | 6,423.1 | 6,375.7 | 6,218.5 | 20.6 | 26.6 | -95.57 | -1,090.6 | -907.5 | 1,183.6 | 1,143.7 | 39.88 | 29.680 | | | | |
| 6,600.0 | 6,521.8 | 6,473.8 | 6,314.0 | 21.0 | 27.0 | -95.59 | -1,108.2 | -922.1 | 1,202.6 | 1,162.1 | 40.53 | 29.676 SF | | | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | Total | Separation | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -143.11 | -36.1 | -27.1 | 45.1 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -143.11 | -36.1 | -27.1 | 45.1 | 44.8 | 0.27 | 165.604 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -143.11 | -36.1 | -27.1 | 45.1 | 44.5 | 0.62 | 72.568 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | -59.39 | -36.1 | -27.1 | 44.2 | 43.2 | 0.97 | 45.396 | | |
| 389.6 | 389.4 | 388.2 | 388.2 | 0.7 | 0.6 | -64.01 | -36.9 | -28.1 | 43.3 | 42.0 | 1.30 | 33.363 CC | | |
| 400.0 | 399.8 | 398.5 | 398.4 | 0.7 | 0.7 | -64.69 | -37.1 | -28.4 | 43.4 | 42.0 | 1.34 | 32.421 ES | | |
| 500.0 | 499.5 | 496.9 | 496.7 | 0.9 | 0.8 | -72.34 | -40.4 | -32.3 | 44.9 | 43.1 | 1.74 | 25.828 | | |
| 600.0 | 598.7 | 595.2 | 594.7 | 1.2 | 1.1 | -80.97 | -45.8 | -38.7 | 49.3 | 47.1 | 2.20 | 22.436 | | |
| 700.0 | 697.5 | 693.2 | 692.0 | 1.5 | 1.3 | -88.83 | -53.4 | -47.7 | 57.1 | 54.4 | 2.73 | 20.950 | | |
| 800.0 | 796.2 | 791.1 | 788.7 | 1.8 | 1.6 | -93.11 | -63.0 | -59.2 | 68.0 | 64.7 | 3.29 | 20.631 | | |
| 900.0 | 894.9 | 888.8 | 884.6 | 2.1 | 1.9 | -94.33 | -74.8 | -73.3 | 81.2 | 77.3 | 3.89 | 20.852 | | |
| 1,000.0 | 993.7 | 987.8 | 981.6 | 2.4 | 2.3 | -94.57 | -87.6 | -88.5 | 95.3 | 90.8 | 4.51 | 21.127 | | |
| 1,100.0 | 1,092.4 | 1,086.8 | 1,078.6 | 2.8 | 2.7 | -94.76 | -100.3 | -103.7 | 109.4 | 104.2 | 5.14 | 21.298 | | |
| 1,200.0 | 1,191.1 | 1,185.8 | 1,175.6 | 3.1 | 3.1 | -94.90 | -113.1 | -118.9 | 123.5 | 117.7 | 5.77 | 21.408 | | |
| 1,300.0 | 1,289.8 | 1,284.8 | 1,272.6 | 3.4 | 3.4 | -95.01 | -125.9 | -134.2 | 137.6 | 131.2 | 6.40 | 21.481 | | |
| 1,400.0 | 1,388.5 | 1,383.8 | 1,369.5 | 3.7 | 3.8 | -95.10 | -138.6 | -149.4 | 151.7 | 144.6 | 7.04 | 21.530 | | |
| 1,500.0 | 1,487.2 | 1,482.8 | 1,466.5 | 4.1 | 4.2 | -95.18 | -151.4 | -164.6 | 165.8 | 158.1 | 7.69 | 21.565 | | |
| 1,600.0 | 1,586.0 | 1,581.8 | 1,563.5 | 4.4 | 4.6 | -95.24 | -164.2 | -179.8 | 179.9 | 171.5 | 8.33 | 21.589 | | |
| 1,700.0 | 1,684.7 | 1,680.8 | 1,660.5 | 4.7 | 5.0 | -95.29 | -176.9 | -195.1 | 194.0 | 185.0 | 8.98 | 21.606 | | |
| 1,800.0 | 1,783.4 | 1,779.8 | 1,757.5 | 5.1 | 5.4 | -95.34 | -189.7 | -210.3 | 208.1 | 198.5 | 9.63 | 21.618 | | |
| 1,900.0 | 1,882.1 | 1,878.8 | 1,854.5 | 5.4 | 5.7 | -95.38 | -202.5 | -225.5 | 222.2 | 211.9 | 10.27 | 21.627 | | |
| 2,000.0 | 1,980.8 | 1,977.8 | 1,951.5 | 5.7 | 6.1 | -95.42 | -215.2 | -240.7 | 236.3 | 225.4 | 10.92 | 21.633 | | |
| 2,100.0 | 2,079.6 | 2,076.8 | 2,048.4 | 6.1 | 6.5 | -95.45 | -228.0 | -256.0 | 250.4 | 238.8 | 11.57 | 21.637 | | |
| 2,200.0 | 2,178.3 | 2,175.8 | 2,145.4 | 6.4 | 6.9 | -95.48 | -240.8 | -271.2 | 264.5 | 252.3 | 12.22 | 21.640 | | |
| 2,300.0 | 2,277.0 | 2,274.8 | 2,242.4 | 6.7 | 7.3 | -95.50 | -253.5 | -286.4 | 278.6 | 265.7 | 12.87 | 21.642 | | |
| 2,400.0 | 2,375.7 | 2,373.8 | 2,339.4 | 7.0 | 7.7 | -95.53 | -266.3 | -301.6 | 292.7 | 279.2 | 13.52 | 21.643 | | |
| 2,500.0 | 2,474.4 | 2,472.8 | 2,436.4 | 7.4 | 8.1 | -95.55 | -279.1 | -316.9 | 306.8 | 292.6 | 14.18 | 21.643 | | |
| 2,600.0 | 2,573.1 | 2,571.8 | 2,533.4 | 7.7 | 8.5 | -95.57 | -291.8 | -332.1 | 320.9 | 306.1 | 14.83 | 21.643 | | |
| 2,700.0 | 2,671.9 | 2,670.8 | 2,630.4 | 8.0 | 8.8 | -95.59 | -304.6 | -347.3 | 335.0 | 319.5 | 15.48 | 21.643 | | |
| 2,800.0 | 2,770.6 | 2,769.8 | 2,727.4 | 8.4 | 9.2 | -95.60 | -317.4 | -362.5 | 349.1 | 333.0 | 16.13 | 21.642 | | |
| 2,900.0 | 2,869.3 | 2,868.8 | 2,824.3 | 8.7 | 9.6 | -95.62 | -330.1 | -377.8 | 363.2 | 346.4 | 16.78 | 21.641 | | |
| 3,000.0 | 2,968.0 | 2,967.8 | 2,921.3 | 9.0 | 10.0 | -95.63 | -342.9 | -393.0 | 377.3 | 359.9 | 17.44 | 21.640 | | |
| 3,100.0 | 3,066.7 | 3,066.8 | 3,018.3 | 9.4 | 10.4 | -95.64 | -355.7 | -408.2 | 391.4 | 373.3 | 18.09 | 21.639 | | |
| 3,200.0 | 3,165.4 | 3,165.8 | 3,115.3 | 9.7 | 10.8 | -95.66 | -368.4 | -423.4 | 405.5 | 386.8 | 18.74 | 21.638 | | |
| 3,300.0 | 3,264.2 | 3,264.8 | 3,212.3 | 10.0 | 11.2 | -95.67 | -381.2 | -438.7 | 419.6 | 400.2 | 19.39 | 21.636 | | |
| 3,400.0 | 3,362.9 | 3,363.8 | 3,309.3 | 10.4 | 11.6 | -95.68 | -394.0 | -453.9 | 433.7 | 413.7 | 20.05 | 21.635 | | |
| 3,500.0 | 3,461.6 | 3,462.8 | 3,406.3 | 10.7 | 12.0 | -95.69 | -406.7 | -469.1 | 447.8 | 427.1 | 20.70 | 21.634 | | |
| 3,600.0 | 3,560.3 | 3,561.8 | 3,503.2 | 11.0 | 12.4 | -95.70 | -419.5 | -484.3 | 461.9 | 440.6 | 21.35 | 21.632 | | |
| 3,700.0 | 3,659.0 | 3,660.8 | 3,600.2 | 11.3 | 12.7 | -95.70 | -432.3 | -499.6 | 476.0 | 454.0 | 22.01 | 21.631 | | |
| 3,800.0 | 3,757.7 | 3,759.8 | 3,697.2 | 11.7 | 13.1 | -95.71 | -445.0 | -514.8 | 490.1 | 467.5 | 22.66 | 21.629 | | |
| 3,900.0 | 3,856.5 | 3,858.8 | 3,794.2 | 12.0 | 13.5 | -95.72 | -457.8 | -530.0 | 504.3 | 480.9 | 23.31 | 21.628 | | |
| 4,000.0 | 3,955.2 | 3,957.8 | 3,891.2 | 12.3 | 13.9 | -95.73 | -470.6 | -545.3 | 518.4 | 494.4 | 23.97 | 21.627 | | |
| 4,100.0 | 4,053.9 | 4,056.8 | 3,988.2 | 12.7 | 14.3 | -95.73 | -483.3 | -560.5 | 532.5 | 507.8 | 24.62 | 21.625 | | |
| 4,200.0 | 4,152.6 | 4,155.8 | 4,085.2 | 13.0 | 14.7 | -95.74 | -496.1 | -575.7 | 546.6 | 521.3 | 25.28 | 21.624 | | |
| 4,300.0 | 4,251.3 | 4,254.8 | 4,182.1 | 13.3 | 15.1 | -95.75 | -508.9 | -590.9 | 560.7 | 534.7 | 25.93 | 21.623 | | |
| 4,400.0 | 4,350.0 | 4,353.8 | 4,279.1 | 13.7 | 15.5 | -95.75 | -521.6 | -606.2 | 574.8 | 548.2 | 26.58 | 21.622 | | |
| 4,500.0 | 4,448.8 | 4,452.8 | 4,376.1 | 14.0 | 15.9 | -95.76 | -534.4 | -621.4 | 588.9 | 561.6 | 27.24 | 21.620 | | |
| 4,600.0 | 4,547.5 | 4,551.8 | 4,473.1 | 14.3 | 16.3 | -95.76 | -547.2 | -636.6 | 603.0 | 575.1 | 27.89 | 21.619 | | |
| 4,700.0 | 4,646.2 | 4,650.8 | 4,570.1 | 14.7 | 16.7 | -95.77 | -559.9 | -651.8 | 617.1 | 588.5 | 28.54 | 21.618 | | |
| 4,800.0 | 4,744.9 | 4,749.8 | 4,667.1 | 15.0 | 17.0 | -95.77 | -572.7 | -667.1 | 631.2 | 602.0 | 29.20 | 21.617 | | |
| 4,900.0 | 4,843.6 | 4,848.8 | 4,764.1 | 15.3 | 17.4 | -95.78 | -585.5 | -682.3 | 645.3 | 615.4 | 29.85 | 21.616 | | |
| 5,000.0 | 4,942.3 | 4,947.8 | 4,861.0 | 15.7 | 17.8 | -95.78 | -598.2 | -697.5 | 659.4 | 628.9 | 30.51 | 21.615 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | Total Uncertainty Axis | Separation Factor | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | | | | |
| 5,100.0 | 5,041.1 | 5,046.8 | 4,958.0 | 16.0 | 18.2 | -95.79 | -611.0 | -712.7 | 673.5 | 642.3 | 31.16 | 21.614 | | |
| 5,200.0 | 5,139.8 | 5,145.8 | 5,055.0 | 16.3 | 18.6 | -95.79 | -623.8 | -728.0 | 687.6 | 655.8 | 31.81 | 21.612 | | |
| 5,300.0 | 5,238.5 | 5,244.8 | 5,152.0 | 16.7 | 19.0 | -95.80 | -636.5 | -743.2 | 701.7 | 669.2 | 32.47 | 21.611 | | |
| 5,400.0 | 5,337.2 | 5,343.8 | 5,249.0 | 17.0 | 19.4 | -95.80 | -649.3 | -758.4 | 715.8 | 682.7 | 33.12 | 21.610 | | |
| 5,500.0 | 5,435.9 | 5,442.8 | 5,346.0 | 17.3 | 19.8 | -95.80 | -662.1 | -773.6 | 729.9 | 696.1 | 33.78 | 21.609 | | |
| 5,600.0 | 5,534.6 | 5,541.8 | 5,443.0 | 17.6 | 20.2 | -95.81 | -674.8 | -788.9 | 744.0 | 709.6 | 34.43 | 21.609 | | |
| 5,700.0 | 5,633.4 | 5,640.8 | 5,539.9 | 18.0 | 20.6 | -95.81 | -687.6 | -804.1 | 758.1 | 723.0 | 35.09 | 21.608 | | |
| 5,800.0 | 5,732.1 | 5,739.8 | 5,636.9 | 18.3 | 21.0 | -95.81 | -700.4 | -819.3 | 772.2 | 736.5 | 35.74 | 21.607 | | |
| 5,900.0 | 5,830.8 | 5,838.8 | 5,733.9 | 18.6 | 21.3 | -95.82 | -713.1 | -834.5 | 786.3 | 749.9 | 36.39 | 21.606 | | |
| 6,000.0 | 5,929.5 | 5,937.8 | 5,830.9 | 19.0 | 21.7 | -95.82 | -725.9 | -849.8 | 800.4 | 763.4 | 37.05 | 21.605 | | |
| 6,100.0 | 6,028.2 | 6,036.8 | 5,927.9 | 19.3 | 22.1 | -95.82 | -738.7 | -865.0 | 814.5 | 776.8 | 37.70 | 21.604 | | |
| 6,200.0 | 6,126.9 | 6,135.8 | 6,024.9 | 19.6 | 22.5 | -95.83 | -751.4 | -880.2 | 828.6 | 790.3 | 38.36 | 21.603 | | |
| 6,300.0 | 6,225.7 | 6,234.8 | 6,121.9 | 20.0 | 22.9 | -95.83 | -764.2 | -895.4 | 842.7 | 803.7 | 39.01 | 21.603 | | |
| 6,400.0 | 6,324.4 | 6,333.8 | 6,218.8 | 20.3 | 23.3 | -95.83 | -777.0 | -910.7 | 856.8 | 817.2 | 39.67 | 21.602 | | |
| 6,500.0 | 6,423.1 | 6,432.8 | 6,315.8 | 20.6 | 23.7 | -95.83 | -789.7 | -925.9 | 870.9 | 830.6 | 40.32 | 21.601 | | |
| 6,600.0 | 6,521.8 | 6,531.8 | 6,412.8 | 21.0 | 24.1 | -95.84 | -802.5 | -941.1 | 885.0 | 844.1 | 40.97 | 21.600 | | |
| 6,700.0 | 6,620.5 | 6,630.8 | 6,509.8 | 21.3 | 24.5 | -95.84 | -815.3 | -956.3 | 899.2 | 857.5 | 41.63 | 21.600 | | |
| 6,800.0 | 6,719.2 | 6,729.8 | 6,606.8 | 21.6 | 24.9 | -95.84 | -828.0 | -971.6 | 913.3 | 871.0 | 42.28 | 21.599 | | |
| 6,900.0 | 6,818.0 | 6,846.4 | 6,721.3 | 22.0 | 25.3 | -95.93 | -842.2 | -988.5 | 926.7 | 883.7 | 42.98 | 21.563 | | |
| 7,000.0 | 6,917.0 | 6,970.5 | 6,844.0 | 22.2 | 25.6 | -96.31 | -854.1 | -1,002.6 | 937.4 | 893.7 | 43.63 | 21.484 | | |
| 7,100.0 | 7,016.4 | 7,095.2 | 6,968.0 | 22.5 | 25.9 | -96.62 | -862.5 | -1,012.7 | 945.1 | 900.9 | 44.17 | 21.397 | | |
| 7,200.0 | 7,116.2 | 7,220.2 | 7,092.7 | 22.6 | 26.1 | -96.87 | -867.5 | -1,018.7 | 949.7 | 905.1 | 44.57 | 21.306 | | |
| 7,300.0 | 7,216.1 | 7,343.4 | 7,216.0 | 22.8 | 26.2 | -97.06 | -869.1 | -1,020.5 | 951.3 | 906.4 | 44.87 | 21.202 | | |
| 7,400.0 | 7,316.1 | 7,441.6 | 7,314.1 | 22.9 | 26.3 | -62.75 | -869.2 | -1,020.7 | 951.4 | 906.4 | 45.08 | 21.107 | | |
| 7,500.0 | 7,416.1 | 7,539.7 | 7,412.2 | 23.0 | 26.4 | -62.73 | -869.5 | -1,021.3 | 951.5 | 906.3 | 45.29 | 21.009 | | |
| 7,600.0 | 7,516.1 | 7,637.8 | 7,510.3 | 23.1 | 26.5 | -62.72 | -870.1 | -1,022.2 | 951.7 | 906.1 | 45.52 | 20.906 | | |
| 7,700.0 | 7,616.1 | 7,736.8 | 7,609.3 | 23.2 | 26.6 | -62.71 | -870.8 | -1,023.5 | 951.7 | 906.0 | 45.76 | 20.798 | | |
| 7,800.0 | 7,716.1 | 7,836.8 | 7,709.3 | 23.3 | 26.7 | -62.71 | -871.6 | -1,024.9 | 951.8 | 905.7 | 46.01 | 20.687 | | |
| 7,900.0 | 7,816.0 | 7,936.8 | 7,809.2 | 23.4 | 26.8 | -62.71 | -872.3 | -1,026.2 | 951.8 | 905.5 | 46.25 | 20.577 | | |
| 8,000.0 | 7,916.0 | 8,036.8 | 7,909.2 | 23.6 | 27.0 | -62.71 | -873.1 | -1,027.5 | 951.8 | 905.3 | 46.50 | 20.468 | | |
| 8,100.0 | 8,016.0 | 8,136.8 | 8,009.2 | 23.7 | 27.1 | -62.71 | -873.9 | -1,028.9 | 951.8 | 905.0 | 46.75 | 20.359 | | |
| 8,200.0 | 8,116.0 | 8,236.8 | 8,109.2 | 23.8 | 27.2 | -62.71 | -874.7 | -1,030.2 | 951.8 | 904.8 | 47.00 | 20.251 | | |
| 8,300.0 | 8,216.0 | 8,336.8 | 8,209.2 | 23.9 | 27.3 | -62.71 | -875.5 | -1,031.6 | 951.8 | 904.5 | 47.25 | 20.144 | | |
| 8,400.0 | 8,316.0 | 8,436.8 | 8,309.2 | 24.0 | 27.4 | -62.71 | -876.2 | -1,032.9 | 951.8 | 904.3 | 47.50 | 20.037 | | |
| 8,500.0 | 8,416.0 | 8,536.8 | 8,409.2 | 24.2 | 27.5 | -62.71 | -877.0 | -1,034.3 | 951.8 | 904.0 | 47.76 | 19.930 | | |
| 8,600.0 | 8,516.0 | 8,636.8 | 8,509.2 | 24.3 | 27.6 | -62.71 | -877.8 | -1,035.6 | 951.8 | 903.8 | 48.01 | 19.824 | | |
| 8,700.0 | 8,615.9 | 8,736.8 | 8,609.1 | 24.4 | 27.8 | -62.71 | -878.6 | -1,037.0 | 951.8 | 903.5 | 48.27 | 19.719 | | |
| 8,800.0 | 8,715.9 | 8,836.8 | 8,709.1 | 24.5 | 27.9 | -62.71 | -879.4 | -1,038.3 | 951.8 | 903.3 | 48.52 | 19.615 | | |
| 8,900.0 | 8,815.9 | 8,936.8 | 8,809.1 | 24.7 | 28.0 | -62.71 | -880.1 | -1,039.7 | 951.8 | 903.0 | 48.78 | 19.511 | | |
| 9,000.0 | 8,915.9 | 9,036.8 | 8,909.1 | 24.8 | 28.1 | -62.71 | -880.9 | -1,041.0 | 951.8 | 902.7 | 49.04 | 19.408 | | |
| 9,100.0 | 9,015.9 | 9,136.8 | 9,009.1 | 24.9 | 28.2 | -62.71 | -881.7 | -1,042.3 | 951.8 | 902.5 | 49.30 | 19.305 | | |
| 9,200.0 | 9,115.9 | 9,236.8 | 9,109.1 | 25.1 | 28.4 | -62.71 | -882.5 | -1,043.7 | 951.8 | 902.2 | 49.56 | 19.203 | | |
| 9,300.0 | 9,215.9 | 9,336.8 | 9,209.1 | 25.2 | 28.5 | -62.71 | -883.3 | -1,045.0 | 951.8 | 902.0 | 49.83 | 19.102 | | |
| 9,400.0 | 9,315.9 | 9,436.8 | 9,309.1 | 25.3 | 28.6 | -62.71 | -884.0 | -1,046.4 | 951.8 | 901.7 | 50.09 | 19.001 | | |
| 9,500.0 | 9,415.9 | 9,536.8 | 9,409.0 | 25.4 | 28.7 | -62.71 | -884.8 | -1,047.7 | 951.8 | 901.4 | 50.36 | 18.901 | | |
| 9,600.0 | 9,515.8 | 9,636.8 | 9,509.0 | 25.6 | 28.8 | -62.71 | -885.6 | -1,049.1 | 951.8 | 901.2 | 50.62 | 18.802 | | |
| 9,700.0 | 9,615.8 | 9,736.8 | 9,609.0 | 25.7 | 29.0 | -62.71 | -886.4 | -1,050.4 | 951.8 | 900.9 | 50.89 | 18.703 | | |
| 9,800.0 | 9,715.8 | 9,836.8 | 9,709.0 | 25.8 | 29.1 | -62.71 | -887.1 | -1,051.8 | 951.8 | 900.6 | 51.16 | 18.605 | | |
| 9,900.0 | 9,815.8 | 9,936.8 | 9,809.0 | 26.0 | 29.2 | -62.71 | -887.9 | -1,053.1 | 951.8 | 900.4 | 51.43 | 18.507 | | |
| 10,000.0 | 9,915.8 | 10,036.8 | 9,909.0 | 26.1 | 29.3 | -62.71 | -888.7 | -1,054.5 | 951.8 | 900.1 | 51.70 | 18.411 | | |
| 10,027.7 | 9,943.5 | 10,064.5 | 9,936.7 | 26.1 | 29.4 | -62.71 | -888.9 | -1,054.8 | 951.8 | 900.0 | 51.77 | 18.384 | | |
| 10,100.0 | 10,015.8 | 10,086.8 | 9,959.0 | 26.2 | 29.4 | -62.71 | -889.1 | -1,055.1 | 953.1 | 901.2 | 51.90 | 18.364 SF | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|---------------------------|--------|
| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-33D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | |
| 10,103.2 | 10,019.0 | 10,086.8 | 9,959.0 | 26.2 | 29.4 | -62.71 | -889.1 | -1,055.1 | 953.3 | 901.4 | 51.91 | 18.366 | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-34D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | Total Uncertainty Axis | Separation Factor | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -143.11 | -24.0 | -18.0 | 30.1 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -143.11 | -24.0 | -18.0 | 30.1 | 29.8 | 0.27 | 110.402 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -143.11 | -24.0 | -18.0 | 30.1 | 29.4 | 0.62 | 48.379 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | -60.37 | -24.0 | -18.0 | 29.2 | 28.2 | 0.97 | 29.962 | | |
| 400.0 | 399.8 | 399.8 | 399.8 | 0.7 | 0.7 | -70.11 | -24.0 | -18.0 | 27.0 | 25.6 | 1.34 | 20.101 | | |
| 500.0 | 499.5 | 499.5 | 499.5 | 0.9 | 0.8 | -88.94 | -24.0 | -18.0 | 25.3 | 23.6 | 1.74 | 14.530 | | |
| 503.3 | 502.8 | 502.7 | 502.7 | 0.9 | 0.8 | -89.72 | -24.0 | -18.0 | 25.3 | 23.6 | 1.76 | 14.406 CC, ES | | |
| 600.0 | 598.7 | 598.5 | 598.5 | 1.2 | 1.0 | -111.16 | -24.8 | -19.5 | 28.2 | 26.0 | 2.17 | 13.024 | | |
| 700.0 | 697.5 | 697.8 | 697.7 | 1.5 | 1.2 | -125.98 | -27.3 | -24.0 | 36.0 | 33.5 | 2.58 | 13.992 | | |
| 800.0 | 796.2 | 797.5 | 797.0 | 1.8 | 1.4 | -131.48 | -31.4 | -31.6 | 45.2 | 42.2 | 3.01 | 14.995 | | |
| 900.0 | 894.9 | 897.4 | 896.1 | 2.1 | 1.6 | -131.50 | -37.1 | -42.2 | 53.9 | 50.4 | 3.52 | 15.340 | | |
| 1,000.0 | 993.7 | 997.3 | 994.8 | 2.4 | 1.9 | -128.33 | -44.5 | -55.9 | 62.2 | 58.1 | 4.11 | 15.157 | | |
| 1,100.0 | 1,092.4 | 1,096.8 | 1,092.6 | 2.8 | 2.3 | -123.42 | -53.4 | -72.2 | 70.6 | 65.8 | 4.77 | 14.791 | | |
| 1,200.0 | 1,191.1 | 1,196.3 | 1,190.2 | 3.1 | 2.6 | -119.23 | -62.4 | -88.8 | 79.3 | 73.9 | 5.45 | 14.546 | | |
| 1,300.0 | 1,289.8 | 1,295.8 | 1,287.9 | 3.4 | 2.9 | -115.88 | -71.4 | -105.5 | 88.4 | 82.3 | 6.14 | 14.403 | | |
| 1,400.0 | 1,388.5 | 1,395.2 | 1,385.5 | 3.7 | 3.3 | -113.17 | -80.4 | -122.2 | 97.8 | 91.0 | 6.83 | 14.323 | | |
| 1,500.0 | 1,487.2 | 1,494.7 | 1,483.2 | 4.1 | 3.6 | -110.93 | -89.5 | -138.9 | 107.3 | 99.8 | 7.51 | 14.286 | | |
| 1,600.0 | 1,586.0 | 1,594.2 | 1,580.8 | 4.4 | 4.0 | -109.06 | -98.5 | -155.5 | 117.0 | 108.8 | 8.19 | 14.275 | | |
| 1,700.0 | 1,684.7 | 1,693.6 | 1,678.5 | 4.7 | 4.4 | -107.47 | -107.5 | -172.2 | 126.7 | 117.9 | 8.87 | 14.281 | | |
| 1,800.0 | 1,783.4 | 1,793.1 | 1,776.1 | 5.1 | 4.7 | -106.11 | -116.6 | -188.9 | 136.6 | 127.0 | 9.55 | 14.298 | | |
| 1,900.0 | 1,882.1 | 1,892.6 | 1,873.7 | 5.4 | 5.1 | -104.94 | -125.6 | -205.6 | 146.5 | 136.3 | 10.23 | 14.321 | | |
| 2,000.0 | 1,980.8 | 1,992.0 | 1,971.4 | 5.7 | 5.5 | -103.92 | -134.6 | -222.2 | 156.5 | 145.6 | 10.90 | 14.349 | | |
| 2,100.0 | 2,079.6 | 2,091.5 | 2,069.0 | 6.1 | 5.8 | -103.01 | -143.7 | -238.9 | 166.5 | 154.9 | 11.58 | 14.379 | | |
| 2,200.0 | 2,178.3 | 2,191.0 | 2,166.7 | 6.4 | 6.2 | -102.21 | -152.7 | -255.6 | 176.5 | 164.3 | 12.25 | 14.410 | | |
| 2,300.0 | 2,277.0 | 2,290.4 | 2,264.3 | 6.7 | 6.6 | -101.50 | -161.7 | -272.2 | 186.6 | 173.7 | 12.92 | 14.442 | | |
| 2,400.0 | 2,375.7 | 2,389.9 | 2,361.9 | 7.0 | 7.0 | -100.86 | -170.7 | -288.9 | 196.7 | 183.1 | 13.59 | 14.473 | | |
| 2,500.0 | 2,474.4 | 2,489.4 | 2,459.6 | 7.4 | 7.3 | -100.28 | -179.8 | -305.6 | 206.8 | 192.6 | 14.26 | 14.504 | | |
| 2,600.0 | 2,573.1 | 2,588.8 | 2,557.2 | 7.7 | 7.7 | -99.76 | -188.8 | -322.3 | 217.0 | 202.1 | 14.93 | 14.534 | | |
| 2,700.0 | 2,671.9 | 2,688.3 | 2,654.9 | 8.0 | 8.1 | -99.28 | -197.8 | -338.9 | 227.1 | 211.5 | 15.60 | 14.563 | | |
| 2,800.0 | 2,770.6 | 2,787.7 | 2,752.5 | 8.4 | 8.5 | -98.84 | -206.9 | -355.6 | 237.3 | 221.1 | 16.26 | 14.591 | | |
| 2,900.0 | 2,869.3 | 2,887.2 | 2,850.2 | 8.7 | 8.8 | -98.44 | -215.9 | -372.3 | 247.5 | 230.6 | 16.93 | 14.618 | | |
| 3,000.0 | 2,968.0 | 2,986.7 | 2,947.8 | 9.0 | 9.2 | -98.08 | -224.9 | -388.9 | 257.7 | 240.1 | 17.60 | 14.644 | | |
| 3,100.0 | 3,066.7 | 3,086.1 | 3,045.4 | 9.4 | 9.6 | -97.74 | -234.0 | -405.6 | 267.9 | 249.7 | 18.26 | 14.669 | | |
| 3,200.0 | 3,165.4 | 3,185.6 | 3,143.1 | 9.7 | 10.0 | -97.42 | -243.0 | -422.3 | 278.1 | 259.2 | 18.93 | 14.693 | | |
| 3,300.0 | 3,264.2 | 3,285.1 | 3,240.7 | 10.0 | 10.3 | -97.13 | -252.0 | -439.0 | 288.4 | 268.8 | 19.59 | 14.716 | | |
| 3,400.0 | 3,362.9 | 3,384.5 | 3,338.4 | 10.4 | 10.7 | -96.85 | -261.0 | -455.6 | 298.6 | 278.3 | 20.26 | 14.738 | | |
| 3,500.0 | 3,461.6 | 3,484.0 | 3,436.0 | 10.7 | 11.1 | -96.60 | -270.1 | -472.3 | 308.8 | 287.9 | 20.92 | 14.759 | | |
| 3,600.0 | 3,560.3 | 3,583.5 | 3,533.6 | 11.0 | 11.5 | -96.36 | -279.1 | -489.0 | 319.1 | 297.5 | 21.59 | 14.780 | | |
| 3,700.0 | 3,659.0 | 3,682.9 | 3,631.3 | 11.3 | 11.8 | -96.14 | -288.1 | -505.7 | 329.3 | 307.1 | 22.25 | 14.799 | | |
| 3,800.0 | 3,757.7 | 3,782.4 | 3,728.9 | 11.7 | 12.2 | -95.93 | -297.2 | -522.3 | 339.6 | 316.7 | 22.92 | 14.818 | | |
| 3,900.0 | 3,856.5 | 3,881.9 | 3,826.6 | 12.0 | 12.6 | -95.73 | -306.2 | -539.0 | 349.8 | 326.3 | 23.58 | 14.836 | | |
| 4,000.0 | 3,955.2 | 3,981.3 | 3,924.2 | 12.3 | 13.0 | -95.54 | -315.2 | -555.7 | 360.1 | 335.9 | 24.24 | 14.853 | | |
| 4,100.0 | 4,053.9 | 4,080.8 | 4,021.9 | 12.7 | 13.3 | -95.36 | -324.3 | -572.3 | 370.4 | 345.5 | 24.91 | 14.869 | | |
| 4,200.0 | 4,152.6 | 4,180.3 | 4,119.5 | 13.0 | 13.7 | -95.20 | -333.3 | -589.0 | 380.6 | 355.1 | 25.57 | 14.885 | | |
| 4,300.0 | 4,251.3 | 4,279.7 | 4,217.1 | 13.3 | 14.1 | -95.04 | -342.3 | -605.7 | 390.9 | 364.7 | 26.23 | 14.901 | | |
| 4,400.0 | 4,350.0 | 4,379.2 | 4,314.8 | 13.7 | 14.5 | -94.89 | -351.3 | -622.4 | 401.2 | 374.3 | 26.90 | 14.915 | | |
| 4,500.0 | 4,448.8 | 4,478.7 | 4,412.4 | 14.0 | 14.9 | -94.75 | -360.4 | -639.0 | 411.5 | 383.9 | 27.56 | 14.929 | | |
| 4,600.0 | 4,547.5 | 4,578.1 | 4,510.1 | 14.3 | 15.2 | -94.61 | -369.4 | -655.7 | 421.7 | 393.5 | 28.22 | 14.943 | | |
| 4,700.0 | 4,646.2 | 4,677.6 | 4,607.7 | 14.7 | 15.6 | -94.48 | -378.4 | -672.4 | 432.0 | 403.1 | 28.89 | 14.956 | | |
| 4,800.0 | 4,744.9 | 4,777.1 | 4,705.3 | 15.0 | 16.0 | -94.36 | -387.5 | -689.0 | 442.3 | 412.8 | 29.55 | 14.969 | | |
| 4,900.0 | 4,843.6 | 4,876.5 | 4,803.0 | 15.3 | 16.4 | -94.24 | -396.5 | -705.7 | 452.6 | 422.4 | 30.21 | 14.981 | | |
| 5,000.0 | 4,942.3 | 4,976.0 | 4,900.6 | 15.7 | 16.7 | -94.13 | -405.5 | -722.4 | 462.9 | 432.0 | 30.87 | 14.993 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | Total Uncertainty Axis | Separation Factor | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | | | | |
| 5,100.0 | 5,041.1 | 5,075.5 | 4,998.3 | 16.0 | 17.1 | -94.02 | -414.6 | -739.1 | 473.2 | 441.6 | 31.54 | 15.004 | | |
| 5,200.0 | 5,139.8 | 5,174.9 | 5,095.9 | 16.3 | 17.5 | -93.92 | -423.6 | -755.7 | 483.5 | 451.3 | 32.20 | 15.015 | | |
| 5,300.0 | 5,238.5 | 5,274.4 | 5,193.5 | 16.7 | 17.9 | -93.82 | -432.6 | -772.4 | 493.8 | 460.9 | 32.86 | 15.026 | | |
| 5,400.0 | 5,337.2 | 5,373.8 | 5,291.2 | 17.0 | 18.2 | -93.73 | -441.6 | -789.1 | 504.0 | 470.5 | 33.52 | 15.036 | | |
| 5,500.0 | 5,435.9 | 5,473.3 | 5,388.8 | 17.3 | 18.6 | -93.64 | -450.7 | -805.8 | 514.3 | 480.2 | 34.18 | 15.046 | | |
| 5,600.0 | 5,534.6 | 5,572.8 | 5,486.5 | 17.6 | 19.0 | -93.55 | -459.7 | -822.4 | 524.6 | 489.8 | 34.85 | 15.056 | | |
| 5,700.0 | 5,633.4 | 5,672.2 | 5,584.1 | 18.0 | 19.4 | -93.47 | -468.7 | -839.1 | 534.9 | 499.4 | 35.51 | 15.065 | | |
| 5,800.0 | 5,732.1 | 5,771.7 | 5,681.8 | 18.3 | 19.8 | -93.38 | -477.8 | -855.8 | 545.2 | 509.1 | 36.17 | 15.074 | | |
| 5,900.0 | 5,830.8 | 5,871.2 | 5,779.4 | 18.6 | 20.1 | -93.31 | -486.8 | -872.4 | 555.5 | 518.7 | 36.83 | 15.083 | | |
| 6,000.0 | 5,929.5 | 5,970.6 | 5,877.0 | 19.0 | 20.5 | -93.23 | -495.8 | -889.1 | 565.8 | 528.3 | 37.49 | 15.091 | | |
| 6,100.0 | 6,028.2 | 6,070.1 | 5,974.7 | 19.3 | 20.9 | -93.16 | -504.9 | -905.8 | 576.1 | 538.0 | 38.16 | 15.100 | | |
| 6,200.0 | 6,126.9 | 6,169.6 | 6,072.3 | 19.6 | 21.3 | -93.09 | -513.9 | -922.5 | 586.4 | 547.6 | 38.82 | 15.108 | | |
| 6,300.0 | 6,225.7 | 6,269.0 | 6,170.0 | 20.0 | 21.6 | -93.02 | -522.9 | -939.1 | 596.7 | 557.3 | 39.48 | 15.115 | | |
| 6,400.0 | 6,324.4 | 6,368.5 | 6,267.6 | 20.3 | 22.0 | -92.96 | -531.9 | -955.8 | 607.0 | 566.9 | 40.14 | 15.123 | | |
| 6,500.0 | 6,423.1 | 6,468.0 | 6,365.2 | 20.6 | 22.4 | -92.90 | -541.0 | -972.5 | 617.4 | 576.5 | 40.80 | 15.130 | | |
| 6,600.0 | 6,521.8 | 6,567.4 | 6,462.9 | 21.0 | 22.8 | -92.83 | -550.0 | -989.1 | 627.7 | 586.2 | 41.46 | 15.137 | | |
| 6,700.0 | 6,620.5 | 6,666.9 | 6,560.5 | 21.3 | 23.1 | -92.78 | -559.0 | -1,005.8 | 638.0 | 595.8 | 42.13 | 15.144 | | |
| 6,800.0 | 6,719.2 | 6,766.4 | 6,658.2 | 21.6 | 23.5 | -92.72 | -568.1 | -1,022.5 | 648.3 | 605.5 | 42.79 | 15.151 | | |
| 6,900.0 | 6,818.0 | 6,876.6 | 6,766.7 | 22.0 | 23.9 | -92.79 | -577.3 | -1,039.6 | 657.9 | 614.4 | 43.46 | 15.138 | | |
| 7,000.0 | 6,917.0 | 6,989.1 | 6,878.1 | 22.2 | 24.2 | -93.13 | -584.7 | -1,053.3 | 665.5 | 621.4 | 44.07 | 15.101 | | |
| 7,100.0 | 7,016.4 | 7,101.8 | 6,990.2 | 22.5 | 24.4 | -93.43 | -590.1 | -1,063.2 | 671.0 | 626.4 | 44.56 | 15.057 | | |
| 7,200.0 | 7,116.2 | 7,214.7 | 7,102.9 | 22.6 | 24.6 | -93.67 | -593.3 | -1,069.1 | 674.4 | 629.4 | 44.94 | 15.007 | | |
| 7,300.0 | 7,216.1 | 7,327.5 | 7,215.7 | 22.8 | 24.7 | -93.86 | -594.4 | -1,071.2 | 675.6 | 630.4 | 45.21 | 14.944 | | |
| 7,400.0 | 7,316.1 | 7,426.5 | 7,314.7 | 22.9 | 24.8 | -93.56 | -594.5 | -1,071.4 | 675.7 | 630.3 | 45.42 | 14.878 | | |
| 7,500.0 | 7,416.1 | 7,525.0 | 7,413.2 | 23.0 | 24.9 | -93.54 | -594.9 | -1,071.9 | 675.8 | 630.2 | 45.63 | 14.810 | | |
| 7,600.0 | 7,516.1 | 7,623.5 | 7,511.7 | 23.1 | 25.0 | -93.53 | -595.4 | -1,072.8 | 675.9 | 630.1 | 45.86 | 14.739 | | |
| 7,700.0 | 7,616.1 | 7,722.6 | 7,610.7 | 23.2 | 25.1 | -93.52 | -596.1 | -1,074.1 | 676.0 | 629.9 | 46.10 | 14.665 | | |
| 7,800.0 | 7,716.1 | 7,822.6 | 7,710.7 | 23.3 | 25.3 | -93.52 | -596.9 | -1,075.4 | 676.0 | 629.7 | 46.34 | 14.589 | | |
| 7,900.0 | 7,816.0 | 7,922.6 | 7,810.7 | 23.4 | 25.4 | -93.52 | -597.7 | -1,076.8 | 676.0 | 629.5 | 46.58 | 14.513 | | |
| 8,000.0 | 7,916.0 | 8,022.6 | 7,910.7 | 23.6 | 25.5 | -93.52 | -598.4 | -1,078.1 | 676.0 | 629.2 | 46.83 | 14.437 | | |
| 8,100.0 | 8,016.0 | 8,122.6 | 8,010.7 | 23.7 | 25.6 | -93.52 | -599.2 | -1,079.5 | 676.0 | 629.0 | 47.07 | 14.362 | | |
| 8,200.0 | 8,116.0 | 8,222.6 | 8,110.7 | 23.8 | 25.7 | -93.52 | -600.0 | -1,080.8 | 676.0 | 628.7 | 47.32 | 14.287 | | |
| 8,300.0 | 8,216.0 | 8,322.6 | 8,210.7 | 23.9 | 25.9 | -93.52 | -600.8 | -1,082.2 | 676.0 | 628.5 | 47.57 | 14.212 | | |
| 8,400.0 | 8,316.0 | 8,422.6 | 8,310.6 | 24.0 | 26.0 | -93.52 | -601.5 | -1,083.5 | 676.0 | 628.2 | 47.82 | 14.138 | | |
| 8,500.0 | 8,416.0 | 8,522.6 | 8,410.6 | 24.2 | 26.1 | -93.52 | -602.3 | -1,084.9 | 676.0 | 628.0 | 48.07 | 14.064 | | |
| 8,600.0 | 8,516.0 | 8,622.6 | 8,510.6 | 24.3 | 26.2 | -93.52 | -603.1 | -1,086.2 | 676.1 | 627.7 | 48.32 | 13.991 | | |
| 8,700.0 | 8,615.9 | 8,722.6 | 8,610.6 | 24.4 | 26.3 | -93.52 | -603.9 | -1,087.6 | 676.1 | 627.5 | 48.57 | 13.918 | | |
| 8,800.0 | 8,715.9 | 8,822.6 | 8,710.6 | 24.5 | 26.5 | -93.52 | -604.7 | -1,088.9 | 676.1 | 627.2 | 48.83 | 13.845 | | |
| 8,900.0 | 8,815.9 | 8,922.6 | 8,810.6 | 24.7 | 26.6 | -93.52 | -605.4 | -1,090.2 | 676.1 | 627.0 | 49.09 | 13.773 | | |
| 9,000.0 | 8,915.9 | 9,022.6 | 8,910.6 | 24.8 | 26.7 | -93.52 | -606.2 | -1,091.6 | 676.1 | 626.7 | 49.34 | 13.701 | | |
| 9,100.0 | 9,015.9 | 9,122.6 | 9,010.6 | 24.9 | 26.8 | -93.52 | -607.0 | -1,092.9 | 676.1 | 626.5 | 49.60 | 13.630 | | |
| 9,200.0 | 9,115.9 | 9,222.6 | 9,110.5 | 25.1 | 27.0 | -93.52 | -607.8 | -1,094.3 | 676.1 | 626.2 | 49.86 | 13.559 | | |
| 9,300.0 | 9,215.9 | 9,322.6 | 9,210.5 | 25.2 | 27.1 | -93.52 | -608.6 | -1,095.6 | 676.1 | 625.9 | 50.12 | 13.489 | | |
| 9,400.0 | 9,315.9 | 9,422.6 | 9,310.5 | 25.3 | 27.2 | -93.52 | -609.3 | -1,097.0 | 676.1 | 625.7 | 50.38 | 13.419 | | |
| 9,500.0 | 9,415.9 | 9,522.6 | 9,410.5 | 25.4 | 27.3 | -93.51 | -610.1 | -1,098.3 | 676.1 | 625.4 | 50.65 | 13.349 | | |
| 9,600.0 | 9,515.8 | 9,622.6 | 9,510.5 | 25.6 | 27.5 | -93.51 | -610.9 | -1,099.7 | 676.1 | 625.2 | 50.91 | 13.280 | | |
| 9,700.0 | 9,615.8 | 9,722.6 | 9,610.5 | 25.7 | 27.6 | -93.51 | -611.7 | -1,101.0 | 676.1 | 624.9 | 51.17 | 13.211 | | |
| 9,800.0 | 9,715.8 | 9,822.6 | 9,710.5 | 25.8 | 27.7 | -93.51 | -612.4 | -1,102.4 | 676.1 | 624.6 | 51.44 | 13.143 | | |
| 9,900.0 | 9,815.8 | 9,922.6 | 9,810.5 | 26.0 | 27.9 | -93.51 | -613.2 | -1,103.7 | 676.1 | 624.4 | 51.71 | 13.075 | | |
| 10,000.0 | 9,915.8 | 10,022.6 | 9,910.4 | 26.1 | 28.0 | -93.51 | -614.0 | -1,105.1 | 676.1 | 624.1 | 51.98 | 13.008 | | |
| 10,037.5 | 9,953.3 | 10,060.1 | 9,947.9 | 26.2 | 28.0 | -93.51 | -614.3 | -1,105.6 | 676.1 | 624.0 | 52.08 | 12.982 | | |
| 10,100.0 | 10,015.8 | 10,081.1 | 9,969.0 | 26.2 | 28.1 | -93.51 | -614.5 | -1,105.9 | 677.3 | 625.2 | 52.19 | 12.979 SF | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|---------------------------|--------|
| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-34D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | |
| 10,103.2 | 10,019.0 | 10,081.1 | 9,969.0 | 26.2 | 28.1 | -59.51 | -614.5 | -1,105.9 | 677.5 | 625.4 | 52.19 | 12.982 | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-35D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -143.11 | -12.0 | -9.0 | 15.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -143.11 | -12.0 | -9.0 | 15.0 | 14.8 | 0.27 | 55.201 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -143.11 | -12.0 | -9.0 | 15.0 | 14.4 | 0.62 | 24.189 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | -63.44 | -12.0 | -9.0 | 14.2 | 13.2 | 0.97 | 14.556 | | |
| 391.7 | 391.6 | 391.4 | 391.4 | 0.7 | 0.6 | -76.73 | -12.3 | -10.5 | 13.4 | 12.1 | 1.31 | 10.213 CC | | |
| 400.0 | 399.8 | 399.6 | 399.6 | 0.7 | 0.7 | -78.04 | -12.4 | -10.7 | 13.4 | 12.1 | 1.34 | 9.983 ES | | |
| 500.0 | 499.5 | 499.4 | 499.2 | 0.9 | 0.9 | -93.54 | -13.4 | -15.8 | 14.6 | 12.8 | 1.76 | 8.258 | | |
| 600.0 | 598.7 | 599.3 | 598.7 | 1.2 | 1.1 | -105.60 | -15.0 | -24.3 | 17.5 | 15.3 | 2.24 | 7.819 | | |
| 700.0 | 697.5 | 699.2 | 697.9 | 1.5 | 1.3 | -112.57 | -17.4 | -36.3 | 21.8 | 19.0 | 2.77 | 7.871 | | |
| 800.0 | 796.2 | 799.2 | 796.7 | 1.8 | 1.6 | -110.98 | -20.4 | -51.5 | 26.0 | 22.6 | 3.37 | 7.712 | | |
| 900.0 | 894.9 | 899.1 | 895.1 | 2.1 | 1.9 | -107.42 | -23.7 | -68.1 | 30.2 | 26.2 | 4.01 | 7.517 | | |
| 1,000.0 | 993.7 | 999.0 | 993.6 | 2.4 | 2.3 | -104.73 | -26.9 | -84.6 | 34.4 | 29.8 | 4.67 | 7.378 | | |
| 1,100.0 | 1,092.4 | 1,098.9 | 1,092.1 | 2.8 | 2.6 | -102.64 | -30.2 | -101.1 | 38.7 | 33.4 | 5.32 | 7.277 | | |
| 1,200.0 | 1,191.1 | 1,198.8 | 1,190.5 | 3.1 | 2.9 | -100.97 | -33.4 | -117.6 | 43.1 | 37.1 | 5.98 | 7.201 | | |
| 1,300.0 | 1,289.8 | 1,298.7 | 1,289.0 | 3.4 | 3.3 | -99.60 | -36.7 | -134.1 | 47.5 | 40.8 | 6.65 | 7.143 | | |
| 1,400.0 | 1,388.5 | 1,398.6 | 1,387.5 | 3.7 | 3.6 | -98.47 | -39.9 | -150.6 | 51.9 | 44.6 | 7.31 | 7.098 | | |
| 1,500.0 | 1,487.2 | 1,498.5 | 1,486.0 | 4.1 | 3.9 | -97.51 | -43.2 | -167.1 | 56.3 | 48.3 | 7.97 | 7.062 | | |
| 1,600.0 | 1,586.0 | 1,598.4 | 1,584.4 | 4.4 | 4.3 | -96.69 | -46.5 | -183.6 | 60.7 | 52.1 | 8.64 | 7.033 | | |
| 1,700.0 | 1,684.7 | 1,698.3 | 1,682.9 | 4.7 | 4.6 | -95.99 | -49.7 | -200.1 | 65.2 | 55.9 | 9.30 | 7.009 | | |
| 1,800.0 | 1,783.4 | 1,798.2 | 1,781.4 | 5.1 | 5.0 | -95.37 | -53.0 | -216.6 | 69.6 | 59.7 | 9.97 | 6.989 | | |
| 1,900.0 | 1,882.1 | 1,898.1 | 1,879.8 | 5.4 | 5.3 | -94.83 | -56.2 | -233.1 | 74.1 | 63.5 | 10.63 | 6.973 | | |
| 2,000.0 | 1,980.8 | 1,998.0 | 1,978.3 | 5.7 | 5.7 | -94.35 | -59.5 | -249.6 | 78.6 | 67.3 | 11.29 | 6.959 | | |
| 2,100.0 | 2,079.6 | 2,097.9 | 2,076.8 | 6.1 | 6.0 | -93.92 | -62.7 | -266.1 | 83.1 | 71.1 | 11.96 | 6.946 | | |
| 2,200.0 | 2,178.3 | 2,197.7 | 2,175.3 | 6.4 | 6.3 | -93.54 | -66.0 | -282.6 | 87.5 | 74.9 | 12.62 | 6.936 | | |
| 2,300.0 | 2,277.0 | 2,297.6 | 2,273.7 | 6.7 | 6.7 | -93.19 | -69.3 | -299.1 | 92.0 | 78.7 | 13.28 | 6.927 | | |
| 2,400.0 | 2,375.7 | 2,397.5 | 2,372.2 | 7.0 | 7.0 | -92.88 | -72.5 | -315.6 | 96.5 | 82.6 | 13.95 | 6.919 | | |
| 2,500.0 | 2,474.4 | 2,497.4 | 2,470.7 | 7.4 | 7.4 | -92.59 | -75.8 | -332.1 | 101.0 | 86.4 | 14.61 | 6.912 | | |
| 2,600.0 | 2,573.1 | 2,597.3 | 2,569.1 | 7.7 | 7.7 | -92.33 | -79.0 | -348.6 | 105.5 | 90.2 | 15.27 | 6.905 | | |
| 2,700.0 | 2,671.9 | 2,697.2 | 2,667.6 | 8.0 | 8.1 | -92.09 | -82.3 | -365.2 | 110.0 | 94.0 | 15.94 | 6.900 | | |
| 2,800.0 | 2,770.6 | 2,797.1 | 2,766.1 | 8.4 | 8.4 | -91.87 | -85.5 | -381.7 | 114.5 | 97.9 | 16.60 | 6.895 | | |
| 2,900.0 | 2,869.3 | 2,897.0 | 2,864.6 | 8.7 | 8.7 | -91.66 | -88.8 | -398.2 | 119.0 | 101.7 | 17.26 | 6.890 | | |
| 3,000.0 | 2,968.0 | 2,996.9 | 2,963.0 | 9.0 | 9.1 | -91.47 | -92.1 | -414.7 | 123.4 | 105.5 | 17.93 | 6.886 | | |
| 3,100.0 | 3,066.7 | 3,096.8 | 3,061.5 | 9.4 | 9.4 | -91.29 | -95.3 | -431.2 | 127.9 | 109.4 | 18.59 | 6.883 | | |
| 3,200.0 | 3,165.4 | 3,196.7 | 3,160.0 | 9.7 | 9.8 | -91.13 | -98.6 | -447.7 | 132.4 | 113.2 | 19.25 | 6.879 | | |
| 3,300.0 | 3,264.2 | 3,296.6 | 3,258.4 | 10.0 | 10.1 | -90.97 | -101.8 | -464.2 | 136.9 | 117.0 | 19.92 | 6.876 | | |
| 3,400.0 | 3,362.9 | 3,396.5 | 3,356.9 | 10.4 | 10.5 | -90.83 | -105.1 | -480.7 | 141.4 | 120.9 | 20.58 | 6.873 | | |
| 3,500.0 | 3,461.6 | 3,496.4 | 3,455.4 | 10.7 | 10.8 | -90.70 | -108.3 | -497.2 | 145.9 | 124.7 | 21.24 | 6.871 | | |
| 3,600.0 | 3,560.3 | 3,596.3 | 3,553.9 | 11.0 | 11.1 | -90.57 | -111.6 | -513.7 | 150.4 | 128.5 | 21.91 | 6.868 | | |
| 3,700.0 | 3,659.0 | 3,696.2 | 3,652.3 | 11.3 | 11.5 | -90.45 | -114.8 | -530.2 | 155.0 | 132.4 | 22.57 | 6.866 | | |
| 3,800.0 | 3,757.7 | 3,796.1 | 3,750.8 | 11.7 | 11.8 | -90.34 | -118.1 | -546.7 | 159.5 | 136.2 | 23.23 | 6.864 | | |
| 3,900.0 | 3,856.5 | 3,896.0 | 3,849.3 | 12.0 | 12.2 | -90.23 | -121.4 | -563.2 | 164.0 | 140.1 | 23.89 | 6.862 | | |
| 4,000.0 | 3,955.2 | 3,995.9 | 3,947.7 | 12.3 | 12.5 | -90.13 | -124.6 | -579.7 | 168.5 | 143.9 | 24.56 | 6.860 | | |
| 4,100.0 | 4,053.9 | 4,095.8 | 4,046.2 | 12.7 | 12.9 | -90.03 | -127.9 | -596.2 | 173.0 | 147.7 | 25.22 | 6.859 | | |
| 4,200.0 | 4,152.6 | 4,195.7 | 4,144.7 | 13.0 | 13.2 | -89.94 | -131.1 | -612.7 | 177.5 | 151.6 | 25.88 | 6.857 | | |
| 4,300.0 | 4,251.3 | 4,295.6 | 4,243.2 | 13.3 | 13.6 | -89.85 | -134.4 | -629.2 | 182.0 | 155.4 | 26.55 | 6.856 | | |
| 4,400.0 | 4,350.0 | 4,395.5 | 4,341.6 | 13.7 | 13.9 | -89.77 | -137.6 | -645.7 | 186.5 | 159.3 | 27.21 | 6.854 | | |
| 4,500.0 | 4,448.8 | 4,495.4 | 4,440.1 | 14.0 | 14.2 | -89.69 | -140.9 | -662.3 | 191.0 | 163.1 | 27.87 | 6.853 | | |
| 4,600.0 | 4,547.5 | 4,595.3 | 4,538.6 | 14.3 | 14.6 | -89.62 | -144.2 | -678.8 | 195.5 | 167.0 | 28.53 | 6.852 | | |
| 4,700.0 | 4,646.2 | 4,695.2 | 4,637.0 | 14.7 | 14.9 | -89.55 | -147.4 | -695.3 | 200.0 | 170.8 | 29.20 | 6.851 | | |
| 4,800.0 | 4,744.9 | 4,795.1 | 4,735.5 | 15.0 | 15.3 | -89.48 | -150.7 | -711.8 | 204.5 | 174.7 | 29.86 | 6.849 | | |
| 4,900.0 | 4,843.6 | 4,895.0 | 4,834.0 | 15.3 | 15.6 | -89.41 | -153.9 | -728.3 | 209.0 | 178.5 | 30.52 | 6.848 | | |
| 5,000.0 | 4,942.3 | 4,994.9 | 4,932.5 | 15.7 | 16.0 | -89.35 | -157.2 | -744.8 | 213.5 | 182.3 | 31.18 | 6.847 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|----------|--------------------|--------|
| Survey Program: O-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | Total | | Separation | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | | | |
| 5,100.0 | 5,041.1 | 5,094.8 | 5,030.9 | 16.0 | 16.3 | -89.29 | -160.4 | -761.3 | 218.0 | 186.2 | 31.85 | 6.847 | | |
| 5,200.0 | 5,139.8 | 5,194.7 | 5,129.4 | 16.3 | 16.7 | -89.23 | -163.7 | -777.8 | 222.5 | 190.0 | 32.51 | 6.846 | | |
| 5,300.0 | 5,238.5 | 5,294.6 | 5,227.9 | 16.7 | 17.0 | -89.18 | -166.9 | -794.3 | 227.1 | 193.9 | 33.17 | 6.845 | | |
| 5,400.0 | 5,337.2 | 5,394.5 | 5,326.3 | 17.0 | 17.3 | -89.12 | -170.2 | -810.8 | 231.6 | 197.7 | 33.83 | 6.844 | | |
| 5,500.0 | 5,435.9 | 5,494.4 | 5,424.8 | 17.3 | 17.7 | -89.07 | -173.5 | -827.3 | 236.1 | 201.6 | 34.50 | 6.843 | | |
| 5,600.0 | 5,534.6 | 5,594.3 | 5,523.3 | 17.6 | 18.0 | -89.02 | -176.7 | -843.8 | 240.6 | 205.4 | 35.16 | 6.843 | | |
| 5,700.0 | 5,633.4 | 5,694.2 | 5,621.8 | 18.0 | 18.4 | -88.98 | -180.0 | -860.3 | 245.1 | 209.3 | 35.82 | 6.842 | | |
| 5,800.0 | 5,732.1 | 5,794.1 | 5,720.2 | 18.3 | 18.7 | -88.93 | -183.2 | -876.8 | 249.6 | 213.1 | 36.48 | 6.841 | | |
| 5,900.0 | 5,830.8 | 5,894.0 | 5,818.7 | 18.6 | 19.1 | -88.89 | -186.5 | -893.3 | 254.1 | 217.0 | 37.15 | 6.841 | | |
| 6,000.0 | 5,929.5 | 5,993.9 | 5,917.2 | 19.0 | 19.4 | -88.84 | -189.7 | -909.8 | 258.6 | 220.8 | 37.81 | 6.840 | | |
| 6,100.0 | 6,028.2 | 6,093.8 | 6,015.6 | 19.3 | 19.8 | -88.80 | -193.0 | -926.3 | 263.1 | 224.7 | 38.47 | 6.840 | | |
| 6,200.0 | 6,126.9 | 6,193.7 | 6,114.1 | 19.6 | 20.1 | -88.76 | -196.3 | -942.8 | 267.6 | 228.5 | 39.14 | 6.839 | | |
| 6,300.0 | 6,225.7 | 6,293.6 | 6,212.6 | 20.0 | 20.5 | -88.73 | -199.5 | -959.4 | 272.2 | 232.4 | 39.80 | 6.838 | | |
| 6,400.0 | 6,324.4 | 6,393.5 | 6,311.1 | 20.3 | 20.8 | -88.69 | -202.8 | -975.9 | 276.7 | 236.2 | 40.46 | 6.838 | | |
| 6,500.0 | 6,423.1 | 6,493.4 | 6,409.5 | 20.6 | 21.1 | -88.65 | -206.0 | -992.4 | 281.2 | 240.1 | 41.12 | 6.838 | | |
| 6,600.0 | 6,521.8 | 6,593.3 | 6,508.0 | 21.0 | 21.5 | -88.62 | -209.3 | -1,008.9 | 285.7 | 243.9 | 41.79 | 6.837 | | |
| 6,700.0 | 6,620.5 | 6,693.2 | 6,606.5 | 21.3 | 21.8 | -88.58 | -212.5 | -1,025.4 | 290.2 | 247.8 | 42.45 | 6.837 | | |
| 6,800.0 | 6,719.2 | 6,793.1 | 6,704.9 | 21.6 | 22.2 | -88.55 | -215.8 | -1,041.9 | 294.7 | 251.6 | 43.11 | 6.836 | | |
| 6,900.0 | 6,818.0 | 6,894.4 | 6,804.9 | 22.0 | 22.5 | -88.60 | -219.0 | -1,058.2 | 299.1 | 255.3 | 43.77 | 6.833 | | |
| 7,000.0 | 6,917.0 | 6,997.5 | 6,907.0 | 22.2 | 22.8 | -88.91 | -221.7 | -1,071.7 | 302.7 | 258.3 | 44.34 | 6.826 | | |
| 7,100.0 | 7,016.4 | 7,100.5 | 7,009.6 | 22.5 | 23.0 | -89.19 | -223.6 | -1,081.6 | 305.3 | 260.5 | 44.80 | 6.813 | | |
| 7,200.0 | 7,116.2 | 7,203.5 | 7,112.4 | 22.6 | 23.2 | -89.43 | -224.9 | -1,087.9 | 306.9 | 261.7 | 45.16 | 6.796 | | |
| 7,300.0 | 7,216.1 | 7,306.6 | 7,215.4 | 22.8 | 23.3 | -89.65 | -225.4 | -1,090.6 | 307.6 | 262.2 | 45.42 | 6.773 | | |
| 7,400.0 | 7,316.1 | 7,406.7 | 7,315.5 | 22.9 | 23.4 | -55.38 | -225.5 | -1,090.8 | 307.7 | 262.0 | 45.62 | 6.744 | | |
| 7,500.0 | 7,416.1 | 7,505.9 | 7,414.7 | 23.0 | 23.5 | -55.36 | -225.8 | -1,091.3 | 307.7 | 261.9 | 45.83 | 6.714 | | |
| 7,600.0 | 7,516.1 | 7,605.2 | 7,514.0 | 23.1 | 23.6 | -55.35 | -226.2 | -1,092.1 | 307.8 | 261.8 | 46.06 | 6.683 | | |
| 7,700.0 | 7,616.1 | 7,704.5 | 7,613.3 | 23.2 | 23.7 | -55.33 | -226.9 | -1,093.3 | 307.9 | 261.6 | 46.29 | 6.651 | | |
| 7,800.0 | 7,716.1 | 7,804.5 | 7,713.3 | 23.3 | 23.8 | -55.33 | -227.7 | -1,094.7 | 307.9 | 261.4 | 46.53 | 6.617 | | |
| 7,900.0 | 7,816.0 | 7,904.5 | 7,813.3 | 23.4 | 24.0 | -55.33 | -228.5 | -1,096.0 | 307.9 | 261.1 | 46.77 | 6.583 | | |
| 8,000.0 | 7,916.0 | 8,004.5 | 7,913.3 | 23.6 | 24.1 | -55.33 | -229.3 | -1,097.4 | 307.9 | 260.9 | 47.01 | 6.549 | | |
| 8,100.0 | 8,016.0 | 8,104.5 | 8,013.3 | 23.7 | 24.2 | -55.33 | -230.1 | -1,098.7 | 307.9 | 260.6 | 47.26 | 6.515 | | |
| 8,200.0 | 8,116.0 | 8,204.5 | 8,113.3 | 23.8 | 24.3 | -55.33 | -230.8 | -1,100.0 | 307.9 | 260.4 | 47.50 | 6.482 | | |
| 8,300.0 | 8,216.0 | 8,304.5 | 8,213.3 | 23.9 | 24.4 | -55.33 | -231.6 | -1,101.4 | 307.9 | 260.2 | 47.75 | 6.448 | | |
| 8,400.0 | 8,316.0 | 8,404.5 | 8,313.3 | 24.0 | 24.6 | -55.33 | -232.4 | -1,102.7 | 307.9 | 259.9 | 47.99 | 6.415 | | |
| 8,500.0 | 8,416.0 | 8,504.5 | 8,413.2 | 24.2 | 24.7 | -55.33 | -233.2 | -1,104.1 | 307.9 | 259.7 | 48.24 | 6.382 | | |
| 8,600.0 | 8,516.0 | 8,604.5 | 8,513.2 | 24.3 | 24.8 | -55.33 | -234.0 | -1,105.4 | 307.9 | 259.4 | 48.49 | 6.350 | | |
| 8,700.0 | 8,615.9 | 8,704.5 | 8,613.2 | 24.4 | 24.9 | -55.33 | -234.7 | -1,106.8 | 307.9 | 259.2 | 48.74 | 6.317 | | |
| 8,800.0 | 8,715.9 | 8,804.5 | 8,713.2 | 24.5 | 25.1 | -55.33 | -235.5 | -1,108.1 | 307.9 | 258.9 | 49.00 | 6.284 | | |
| 8,900.0 | 8,815.9 | 8,904.5 | 8,813.2 | 24.7 | 25.2 | -55.33 | -236.3 | -1,109.5 | 307.9 | 258.7 | 49.25 | 6.252 | | |
| 9,000.0 | 8,915.9 | 9,004.5 | 8,913.2 | 24.8 | 25.3 | -55.33 | -237.1 | -1,110.8 | 307.9 | 258.4 | 49.50 | 6.220 | | |
| 9,100.0 | 9,015.9 | 9,104.5 | 9,013.2 | 24.9 | 25.5 | -55.33 | -237.9 | -1,112.2 | 307.9 | 258.2 | 49.76 | 6.188 | | |
| 9,200.0 | 9,115.9 | 9,204.5 | 9,113.2 | 25.1 | 25.6 | -55.33 | -238.6 | -1,113.5 | 307.9 | 257.9 | 50.02 | 6.156 | | |
| 9,300.0 | 9,215.9 | 9,304.5 | 9,213.1 | 25.2 | 25.7 | -55.33 | -239.4 | -1,114.9 | 307.9 | 257.7 | 50.28 | 6.125 | | |
| 9,400.0 | 9,315.9 | 9,404.5 | 9,313.1 | 25.3 | 25.8 | -55.33 | -240.2 | -1,116.2 | 307.9 | 257.4 | 50.53 | 6.093 | | |
| 9,500.0 | 9,415.9 | 9,504.5 | 9,413.1 | 25.4 | 26.0 | -55.33 | -241.0 | -1,117.6 | 307.9 | 257.1 | 50.79 | 6.062 | | |
| 9,600.0 | 9,515.8 | 9,604.5 | 9,513.1 | 25.6 | 26.1 | -55.33 | -241.8 | -1,118.9 | 307.9 | 256.9 | 51.06 | 6.031 | | |
| 9,700.0 | 9,615.8 | 9,704.5 | 9,613.1 | 25.7 | 26.2 | -55.33 | -242.5 | -1,120.2 | 307.9 | 256.6 | 51.32 | 6.001 | | |
| 9,800.0 | 9,715.8 | 9,804.5 | 9,713.1 | 25.8 | 26.4 | -55.33 | -243.3 | -1,121.6 | 307.9 | 256.4 | 51.58 | 5.970 | | |
| 9,900.0 | 9,815.8 | 9,904.5 | 9,813.1 | 26.0 | 26.5 | -55.33 | -244.1 | -1,122.9 | 307.9 | 256.1 | 51.85 | 5.939 | | |
| 10,000.0 | 9,915.8 | 10,004.5 | 9,913.1 | 26.1 | 26.6 | -55.33 | -244.9 | -1,124.3 | 307.9 | 255.8 | 52.11 | 5.909 | | |
| 10,050.5 | 9,966.3 | 10,055.1 | 9,963.6 | 26.2 | 26.7 | -55.33 | -245.3 | -1,125.0 | 308.0 | 255.7 | 52.25 | 5.894 SF | | |
| 10,100.0 | 10,015.8 | 10,080.5 | 9,989.0 | 26.2 | 26.7 | -55.33 | -245.5 | -1,125.3 | 308.9 | 256.5 | 52.35 | 5.901 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | | | | | |
|-----------------------|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|------------------------|---|---------|--------------------|--|--------|--|
| Offset Design | | | | | | | | | | | | Sec 6 T6S R96W (F06 696) - Chevron 6-35D - DD - Plan #2 | | Offset Site Error: | | 0.0 ft | |
| Survey Program: 0-MWD | | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Total Uncertainty Axis | Separation Factor | | | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | | | | | | | |
| 10,103.2 | 10,019.0 | 10,080.5 | 9,989.0 | 26.2 | 26.7 | -55.33 | -245.5 | -1,125.3 | 309.2 | 256.8 | 52.35 | 5.905 | | | | | |

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-37D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: 0.0 ft | |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|------------------------|------------|----------------------|-----------------------|------------------------|-------------------|---------------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre | | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | |
| | | | | | | | +N/-S (ft) | +E/-W (ft) | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.89 | 12.0 | 9.0 | 15.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 36.89 | 12.0 | 9.0 | 15.0 | 14.8 | 0.27 | 55.201 | CC, ES | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 36.89 | 12.0 | 9.0 | 15.0 | 14.4 | 0.62 | 24.189 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 127.78 | 12.0 | 9.0 | 16.0 | 15.1 | 0.97 | 16.487 | | |
| 400.0 | 399.8 | 400.2 | 400.2 | 0.7 | 0.7 | 135.49 | 12.6 | 7.4 | 18.7 | 17.4 | 1.33 | 14.061 | | |
| 500.0 | 499.5 | 500.5 | 500.3 | 0.9 | 0.9 | 139.49 | 14.4 | 2.4 | 22.4 | 20.7 | 1.71 | 13.067 | | |
| 600.0 | 598.7 | 600.9 | 600.3 | 1.2 | 1.1 | 140.91 | 17.4 | -5.8 | 26.8 | 24.7 | 2.13 | 12.583 | | |
| 700.0 | 697.5 | 701.4 | 700.1 | 1.5 | 1.3 | 140.41 | 21.5 | -17.4 | 31.6 | 29.0 | 2.60 | 12.190 | | |
| 800.0 | 796.2 | 801.9 | 799.4 | 1.8 | 1.6 | 135.98 | 26.9 | -32.2 | 35.0 | 31.9 | 3.16 | 11.094 | | |
| 900.0 | 894.9 | 901.8 | 897.7 | 2.1 | 2.0 | 129.64 | 32.9 | -48.9 | 37.7 | 33.9 | 3.80 | 9.924 | | |
| 1,000.0 | 993.7 | 1,001.7 | 996.0 | 2.4 | 2.3 | 124.19 | 38.9 | -65.5 | 40.8 | 36.4 | 4.49 | 9.105 | | |
| 1,100.0 | 1,092.4 | 1,101.6 | 1,094.3 | 2.8 | 2.7 | 119.55 | 44.8 | -82.2 | 44.3 | 39.1 | 5.19 | 8.533 | | |
| 1,200.0 | 1,191.1 | 1,201.5 | 1,192.6 | 3.1 | 3.0 | 115.59 | 50.8 | -98.8 | 47.9 | 42.0 | 5.89 | 8.128 | | |
| 1,300.0 | 1,289.8 | 1,301.4 | 1,290.9 | 3.4 | 3.3 | 112.20 | 56.8 | -115.4 | 51.8 | 45.2 | 6.60 | 7.839 | | |
| 1,400.0 | 1,388.5 | 1,401.3 | 1,389.2 | 3.7 | 3.7 | 109.29 | 62.8 | -132.1 | 55.8 | 48.5 | 7.31 | 7.629 | | |
| 1,500.0 | 1,487.2 | 1,501.1 | 1,487.5 | 4.1 | 4.0 | 106.78 | 68.8 | -148.7 | 59.9 | 51.9 | 8.01 | 7.475 | | |
| 1,600.0 | 1,586.0 | 1,601.0 | 1,585.8 | 4.4 | 4.4 | 104.60 | 74.8 | -165.4 | 64.1 | 55.4 | 8.71 | 7.361 | | |
| 1,700.0 | 1,684.7 | 1,700.9 | 1,684.1 | 4.7 | 4.8 | 102.68 | 80.8 | -182.0 | 68.5 | 59.0 | 9.41 | 7.276 | | |
| 1,800.0 | 1,783.4 | 1,800.8 | 1,782.4 | 5.1 | 5.1 | 101.00 | 86.8 | -198.6 | 72.8 | 62.7 | 10.10 | 7.212 | | |
| 1,900.0 | 1,882.1 | 1,900.7 | 1,880.7 | 5.4 | 5.5 | 99.51 | 92.8 | -215.3 | 77.3 | 66.5 | 10.79 | 7.164 | | |
| 2,000.0 | 1,980.8 | 2,000.6 | 1,979.1 | 5.7 | 5.8 | 98.18 | 98.8 | -231.9 | 81.8 | 70.3 | 11.47 | 7.128 | | |
| 2,100.0 | 2,079.6 | 2,100.4 | 2,077.4 | 6.1 | 6.2 | 96.99 | 104.7 | -248.6 | 86.3 | 74.1 | 12.15 | 7.101 | | |
| 2,200.0 | 2,178.3 | 2,200.3 | 2,175.7 | 6.4 | 6.5 | 95.92 | 110.7 | -265.2 | 90.8 | 78.0 | 12.83 | 7.081 | | |
| 2,300.0 | 2,277.0 | 2,300.2 | 2,274.0 | 6.7 | 6.9 | 94.95 | 116.7 | -281.8 | 95.4 | 81.9 | 13.50 | 7.067 | | |
| 2,400.0 | 2,375.7 | 2,400.1 | 2,372.3 | 7.0 | 7.2 | 94.07 | 122.7 | -298.5 | 100.0 | 85.9 | 14.18 | 7.056 | | |
| 2,500.0 | 2,474.4 | 2,500.0 | 2,470.6 | 7.4 | 7.6 | 93.27 | 128.7 | -315.1 | 104.7 | 89.8 | 14.85 | 7.049 | | |
| 2,600.0 | 2,573.1 | 2,599.8 | 2,568.9 | 7.7 | 8.0 | 92.54 | 134.7 | -331.8 | 109.3 | 93.8 | 15.52 | 7.045 | | |
| 2,700.0 | 2,671.9 | 2,699.7 | 2,667.2 | 8.0 | 8.3 | 91.86 | 140.7 | -348.4 | 114.0 | 97.8 | 16.19 | 7.043 | | |
| 2,800.0 | 2,770.6 | 2,799.6 | 2,765.5 | 8.4 | 8.7 | 91.24 | 146.7 | -365.0 | 118.7 | 101.8 | 16.85 | 7.042 | | |
| 2,900.0 | 2,869.3 | 2,899.5 | 2,863.8 | 8.7 | 9.0 | 90.67 | 152.7 | -381.7 | 123.4 | 105.9 | 17.52 | 7.042 | | |
| 3,000.0 | 2,968.0 | 2,999.4 | 2,962.1 | 9.0 | 9.4 | 90.14 | 158.6 | -398.3 | 128.1 | 109.9 | 18.18 | 7.044 | | |
| 3,100.0 | 3,066.7 | 3,099.3 | 3,060.4 | 9.4 | 9.7 | 89.64 | 164.6 | -415.0 | 132.8 | 113.9 | 18.85 | 7.046 | | |
| 3,200.0 | 3,165.4 | 3,199.1 | 3,158.7 | 9.7 | 10.1 | 89.18 | 170.6 | -431.6 | 137.5 | 118.0 | 19.51 | 7.049 | | |
| 3,300.0 | 3,264.2 | 3,299.0 | 3,257.0 | 10.0 | 10.5 | 88.75 | 176.6 | -448.2 | 142.3 | 122.1 | 20.17 | 7.053 | | |
| 3,400.0 | 3,362.9 | 3,398.9 | 3,355.3 | 10.4 | 10.8 | 88.35 | 182.6 | -464.9 | 147.0 | 126.2 | 20.83 | 7.057 | | |
| 3,500.0 | 3,461.6 | 3,498.8 | 3,453.6 | 10.7 | 11.2 | 87.98 | 188.6 | -481.5 | 151.7 | 130.2 | 21.49 | 7.061 | | |
| 3,600.0 | 3,560.3 | 3,598.7 | 3,551.9 | 11.0 | 11.5 | 87.62 | 194.6 | -498.2 | 156.5 | 134.3 | 22.15 | 7.065 | | |
| 3,700.0 | 3,659.0 | 3,698.6 | 3,650.2 | 11.3 | 11.9 | 87.29 | 200.6 | -514.8 | 161.3 | 138.4 | 22.81 | 7.070 | | |
| 3,800.0 | 3,757.7 | 3,798.4 | 3,748.5 | 11.7 | 12.2 | 86.97 | 206.6 | -531.4 | 166.0 | 142.6 | 23.47 | 7.074 | | |
| 3,900.0 | 3,856.5 | 3,898.3 | 3,846.8 | 12.0 | 12.6 | 86.68 | 212.6 | -548.1 | 170.8 | 146.7 | 24.13 | 7.079 | | |
| 4,000.0 | 3,955.2 | 3,998.2 | 3,945.1 | 12.3 | 13.0 | 86.40 | 218.5 | -564.7 | 175.6 | 150.8 | 24.78 | 7.084 | | |
| 4,100.0 | 4,053.9 | 4,098.1 | 4,043.4 | 12.7 | 13.3 | 86.13 | 224.5 | -581.4 | 180.3 | 154.9 | 25.44 | 7.089 | | |
| 4,200.0 | 4,152.6 | 4,198.0 | 4,141.7 | 13.0 | 13.7 | 85.88 | 230.5 | -598.0 | 185.1 | 159.0 | 26.10 | 7.093 | | |
| 4,300.0 | 4,251.3 | 4,297.8 | 4,240.0 | 13.3 | 14.0 | 85.64 | 236.5 | -614.6 | 189.9 | 163.2 | 26.75 | 7.098 | | |
| 4,400.0 | 4,350.0 | 4,397.7 | 4,338.4 | 13.7 | 14.4 | 85.42 | 242.5 | -631.3 | 194.7 | 167.3 | 27.41 | 7.103 | | |
| 4,500.0 | 4,448.8 | 4,497.6 | 4,436.7 | 14.0 | 14.7 | 85.20 | 248.5 | -647.9 | 199.5 | 171.4 | 28.07 | 7.108 | | |
| 4,600.0 | 4,547.5 | 4,597.5 | 4,535.0 | 14.3 | 15.1 | 84.99 | 254.5 | -664.6 | 204.3 | 175.6 | 28.72 | 7.112 | | |
| 4,700.0 | 4,646.2 | 4,697.4 | 4,633.3 | 14.7 | 15.5 | 84.80 | 260.5 | -681.2 | 209.1 | 179.7 | 29.38 | 7.117 | | |
| 4,800.0 | 4,744.9 | 4,797.3 | 4,731.6 | 15.0 | 15.8 | 84.61 | 266.5 | -697.9 | 213.9 | 183.8 | 30.03 | 7.122 | | |
| 4,900.0 | 4,843.6 | 4,897.1 | 4,829.9 | 15.3 | 16.2 | 84.43 | 272.5 | -714.5 | 218.7 | 188.0 | 30.69 | 7.126 | | |
| 5,000.0 | 4,942.3 | 4,997.0 | 4,928.2 | 15.7 | 16.5 | 84.26 | 278.4 | -731.1 | 223.5 | 192.1 | 31.34 | 7.130 | | |
| 5,100.0 | 5,041.1 | 5,096.9 | 5,026.5 | 16.0 | 16.9 | 84.09 | 284.4 | -747.8 | 228.3 | 196.3 | 32.00 | 7.135 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|----------|--------------------|--------|
| Survey Program: O-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | Total | | Separation | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | Factor | | |
| 5,200.0 | 5,139.8 | 5,196.8 | 5,124.8 | 16.3 | 17.3 | 83.94 | 290.4 | -764.4 | 233.1 | 200.4 | 32.65 | 7.139 | | |
| 5,300.0 | 5,238.5 | 5,296.7 | 5,223.1 | 16.7 | 17.6 | 83.78 | 296.4 | -781.1 | 237.9 | 204.6 | 33.30 | 7.143 | | |
| 5,400.0 | 5,337.2 | 5,396.6 | 5,321.4 | 17.0 | 18.0 | 83.64 | 302.4 | -797.7 | 242.7 | 208.7 | 33.96 | 7.147 | | |
| 5,500.0 | 5,435.9 | 5,496.4 | 5,419.7 | 17.3 | 18.3 | 83.50 | 308.4 | -814.3 | 247.5 | 212.9 | 34.61 | 7.151 | | |
| 5,600.0 | 5,534.6 | 5,596.3 | 5,518.0 | 17.6 | 18.7 | 83.36 | 314.4 | -831.0 | 252.3 | 217.1 | 35.27 | 7.155 | | |
| 5,700.0 | 5,633.4 | 5,696.2 | 5,616.3 | 18.0 | 19.0 | 83.23 | 320.4 | -847.6 | 257.1 | 221.2 | 35.92 | 7.159 | | |
| 5,800.0 | 5,732.1 | 5,796.1 | 5,714.6 | 18.3 | 19.4 | 83.11 | 326.4 | -864.3 | 262.0 | 225.4 | 36.57 | 7.163 | | |
| 5,900.0 | 5,830.8 | 5,896.0 | 5,812.9 | 18.6 | 19.8 | 82.99 | 332.4 | -880.9 | 266.8 | 229.6 | 37.23 | 7.166 | | |
| 6,000.0 | 5,929.5 | 5,995.8 | 5,911.2 | 19.0 | 20.1 | 82.87 | 338.3 | -897.5 | 271.6 | 233.7 | 37.88 | 7.170 | | |
| 6,100.0 | 6,028.2 | 6,095.7 | 6,009.5 | 19.3 | 20.5 | 82.76 | 344.3 | -914.2 | 276.4 | 237.9 | 38.53 | 7.174 | | |
| 6,200.0 | 6,126.9 | 6,195.6 | 6,107.8 | 19.6 | 20.8 | 82.65 | 350.3 | -930.8 | 281.2 | 242.0 | 39.18 | 7.177 | | |
| 6,300.0 | 6,225.7 | 6,295.5 | 6,206.1 | 20.0 | 21.2 | 82.55 | 356.3 | -947.5 | 286.1 | 246.2 | 39.84 | 7.181 | | |
| 6,400.0 | 6,324.4 | 6,395.4 | 6,304.4 | 20.3 | 21.5 | 82.45 | 362.3 | -964.1 | 290.9 | 250.4 | 40.49 | 7.184 | | |
| 6,500.0 | 6,423.1 | 6,495.3 | 6,402.7 | 20.6 | 21.9 | 82.35 | 368.3 | -980.7 | 295.7 | 254.6 | 41.14 | 7.187 | | |
| 6,600.0 | 6,521.8 | 6,595.1 | 6,501.0 | 21.0 | 22.3 | 82.26 | 374.3 | -997.4 | 300.5 | 258.7 | 41.80 | 7.190 | | |
| 6,700.0 | 6,620.5 | 6,695.0 | 6,599.4 | 21.3 | 22.6 | 82.17 | 380.3 | -1,014.0 | 305.3 | 262.9 | 42.45 | 7.193 | | |
| 6,800.0 | 6,719.2 | 6,794.9 | 6,697.7 | 21.6 | 23.0 | 82.08 | 386.3 | -1,030.7 | 310.2 | 267.1 | 43.10 | 7.197 | | |
| 6,900.0 | 6,818.0 | 6,895.2 | 6,796.4 | 22.0 | 23.3 | 82.00 | 392.3 | -1,047.4 | 315.0 | 271.2 | 43.75 | 7.199 | | |
| 7,000.0 | 6,917.0 | 6,999.7 | 6,899.6 | 22.2 | 23.7 | 82.00 | 397.8 | -1,062.7 | 319.2 | 274.9 | 44.32 | 7.203 | | |
| 7,100.0 | 7,016.4 | 7,104.3 | 7,003.4 | 22.5 | 23.9 | 81.97 | 402.0 | -1,074.4 | 322.5 | 277.7 | 44.78 | 7.203 | | |
| 7,200.0 | 7,116.2 | 7,209.0 | 7,107.7 | 22.6 | 24.1 | 81.90 | 405.0 | -1,082.6 | 324.9 | 279.7 | 45.13 | 7.198 | | |
| 7,300.0 | 7,216.1 | 7,313.7 | 7,212.4 | 22.8 | 24.2 | 81.79 | 406.6 | -1,087.2 | 326.2 | 280.8 | 45.38 | 7.189 | | |
| 7,400.0 | 7,316.1 | 7,417.6 | 7,316.2 | 22.9 | 24.3 | 116.03 | 407.0 | -1,088.3 | 326.6 | 281.0 | 45.56 | 7.168 | | |
| 7,500.0 | 7,416.1 | 7,518.2 | 7,416.8 | 23.0 | 24.4 | 116.05 | 406.9 | -1,088.6 | 326.7 | 280.9 | 45.78 | 7.136 | | |
| 7,600.0 | 7,516.1 | 7,618.8 | 7,517.4 | 23.1 | 24.5 | 116.07 | 406.5 | -1,089.3 | 326.7 | 280.7 | 46.01 | 7.101 | | |
| 7,700.0 | 7,616.1 | 7,719.4 | 7,618.0 | 23.2 | 24.6 | 116.08 | 405.9 | -1,090.3 | 326.8 | 280.5 | 46.25 | 7.066 | | |
| 7,800.0 | 7,716.1 | 7,819.6 | 7,718.2 | 23.3 | 24.8 | 116.08 | 405.2 | -1,091.7 | 326.8 | 280.3 | 46.49 | 7.030 | | |
| 7,900.0 | 7,816.0 | 7,919.6 | 7,818.2 | 23.4 | 24.9 | 116.08 | 404.4 | -1,093.0 | 326.8 | 280.1 | 46.73 | 6.993 | | |
| 8,000.0 | 7,916.0 | 8,019.6 | 7,918.2 | 23.6 | 25.0 | 116.08 | 403.6 | -1,094.4 | 326.8 | 279.9 | 46.98 | 6.957 | | |
| 8,100.0 | 8,016.0 | 8,119.6 | 8,018.2 | 23.7 | 25.1 | 116.08 | 402.9 | -1,095.7 | 326.9 | 279.6 | 47.23 | 6.921 | | |
| 8,200.0 | 8,116.0 | 8,219.6 | 8,118.2 | 23.8 | 25.2 | 116.08 | 402.1 | -1,097.1 | 326.9 | 279.4 | 47.47 | 6.886 | | |
| 8,300.0 | 8,216.0 | 8,319.6 | 8,218.2 | 23.9 | 25.3 | 116.08 | 401.4 | -1,098.4 | 326.9 | 279.2 | 47.72 | 6.850 | | |
| 8,400.0 | 8,316.0 | 8,419.6 | 8,318.1 | 24.0 | 25.4 | 116.08 | 400.6 | -1,099.7 | 326.9 | 279.0 | 47.97 | 6.815 | | |
| 8,500.0 | 8,416.0 | 8,519.6 | 8,418.1 | 24.2 | 25.6 | 116.08 | 399.9 | -1,101.1 | 327.0 | 278.7 | 48.23 | 6.780 | | |
| 8,600.0 | 8,516.0 | 8,619.6 | 8,518.1 | 24.3 | 25.7 | 116.08 | 399.1 | -1,102.4 | 327.0 | 278.5 | 48.48 | 6.745 | | |
| 8,700.0 | 8,615.9 | 8,719.6 | 8,618.1 | 24.4 | 25.8 | 116.08 | 398.4 | -1,103.8 | 327.0 | 278.3 | 48.73 | 6.710 | | |
| 8,800.0 | 8,715.9 | 8,819.6 | 8,718.1 | 24.5 | 25.9 | 116.08 | 397.6 | -1,105.1 | 327.0 | 278.0 | 48.99 | 6.675 | | |
| 8,900.0 | 8,815.9 | 8,919.6 | 8,818.1 | 24.7 | 26.0 | 116.08 | 396.8 | -1,106.5 | 327.0 | 277.8 | 49.25 | 6.641 | | |
| 9,000.0 | 8,915.9 | 9,019.6 | 8,918.1 | 24.8 | 26.1 | 116.08 | 396.1 | -1,107.8 | 327.1 | 277.6 | 49.50 | 6.607 | | |
| 9,100.0 | 9,015.9 | 9,119.6 | 9,018.1 | 24.9 | 26.3 | 116.08 | 395.3 | -1,109.2 | 327.1 | 277.3 | 49.76 | 6.573 | | |
| 9,200.0 | 9,115.9 | 9,219.6 | 9,118.1 | 25.1 | 26.4 | 116.08 | 394.6 | -1,110.5 | 327.1 | 277.1 | 50.02 | 6.539 | | |
| 9,300.0 | 9,215.9 | 9,319.6 | 9,218.0 | 25.2 | 26.5 | 116.08 | 393.8 | -1,111.9 | 327.1 | 276.8 | 50.28 | 6.506 | | |
| 9,400.0 | 9,315.9 | 9,419.6 | 9,318.0 | 25.3 | 26.6 | 116.08 | 393.1 | -1,113.2 | 327.2 | 276.6 | 50.55 | 6.472 | | |
| 9,500.0 | 9,415.9 | 9,519.6 | 9,418.0 | 25.4 | 26.7 | 116.08 | 392.3 | -1,114.6 | 327.2 | 276.4 | 50.81 | 6.439 | | |
| 9,600.0 | 9,515.8 | 9,619.6 | 9,518.0 | 25.6 | 26.9 | 116.08 | 391.6 | -1,115.9 | 327.2 | 276.1 | 51.08 | 6.406 | | |
| 9,700.0 | 9,615.8 | 9,719.6 | 9,618.0 | 25.7 | 27.0 | 116.08 | 390.8 | -1,117.3 | 327.2 | 275.9 | 51.34 | 6.373 | | |
| 9,800.0 | 9,715.8 | 9,819.6 | 9,718.0 | 25.8 | 27.1 | 116.08 | 390.1 | -1,118.6 | 327.2 | 275.6 | 51.61 | 6.341 | | |
| 9,900.0 | 9,815.8 | 9,919.6 | 9,818.0 | 26.0 | 27.2 | 116.08 | 389.3 | -1,120.0 | 327.3 | 275.4 | 51.88 | 6.309 | | |
| 10,000.0 | 9,915.8 | 10,019.6 | 9,918.0 | 26.1 | 27.4 | 116.08 | 388.5 | -1,121.3 | 327.3 | 275.1 | 52.14 | 6.276 | | |
| 10,100.0 | 10,015.8 | 10,119.6 | 10,017.9 | 26.2 | 27.5 | 116.08 | 387.8 | -1,122.7 | 327.3 | 274.9 | 52.41 | 6.245 | | |
| 10,103.2 | 10,019.0 | 10,122.8 | 10,021.2 | 26.2 | 27.5 | 116.08 | 387.8 | -1,122.7 | 327.3 | 274.9 | 52.42 | 6.244 SF | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design Sec 6 T6S R96W (F06 696) - Chevron 6-38D - DD - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|-------|------------------------------|----------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Total Uncertainty Axis | Separation Factor | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.46 | 24.0 | 17.8 | 29.9 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 36.46 | 24.0 | 17.8 | 29.9 | 29.6 | 0.27 | 109.784 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 36.46 | 24.0 | 17.8 | 29.9 | 29.3 | 0.62 | 48.108 CC, ES | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 121.59 | 25.1 | 16.3 | 30.8 | 29.8 | 0.98 | 31.517 | | |
| 400.0 | 399.8 | 400.0 | 399.8 | 0.7 | 0.7 | 120.22 | 28.1 | 12.1 | 33.5 | 32.1 | 1.36 | 24.583 | | |
| 500.0 | 499.5 | 499.8 | 499.3 | 0.9 | 0.9 | 118.36 | 33.1 | 5.0 | 38.0 | 36.2 | 1.80 | 21.086 | | |
| 600.0 | 598.7 | 599.5 | 598.2 | 1.2 | 1.2 | 116.39 | 40.2 | -4.9 | 44.4 | 42.1 | 2.32 | 19.129 | | |
| 700.0 | 697.5 | 699.0 | 696.5 | 1.5 | 1.5 | 114.32 | 49.2 | -17.6 | 52.5 | 49.6 | 2.92 | 17.984 | | |
| 800.0 | 796.2 | 798.5 | 794.3 | 1.8 | 1.8 | 111.01 | 59.7 | -32.3 | 61.3 | 57.8 | 3.56 | 17.223 | | |
| 900.0 | 894.9 | 898.1 | 892.2 | 2.1 | 2.2 | 108.42 | 70.2 | -47.1 | 70.3 | 66.1 | 4.21 | 16.689 | | |
| 1,000.0 | 993.7 | 997.6 | 990.1 | 2.4 | 2.5 | 106.42 | 80.8 | -61.9 | 79.4 | 74.5 | 4.87 | 16.303 | | |
| 1,100.0 | 1,092.4 | 1,097.2 | 1,087.9 | 2.8 | 2.9 | 104.84 | 91.4 | -76.8 | 88.6 | 83.1 | 5.53 | 16.014 | | |
| 1,200.0 | 1,191.1 | 1,196.7 | 1,185.8 | 3.1 | 3.2 | 103.55 | 101.9 | -91.6 | 97.8 | 91.6 | 6.19 | 15.792 | | |
| 1,300.0 | 1,289.8 | 1,296.3 | 1,283.7 | 3.4 | 3.6 | 102.49 | 112.5 | -106.5 | 107.1 | 100.2 | 6.86 | 15.617 | | |
| 1,400.0 | 1,388.5 | 1,395.8 | 1,381.6 | 3.7 | 4.0 | 101.59 | 123.1 | -121.3 | 116.4 | 108.8 | 7.52 | 15.477 | | |
| 1,500.0 | 1,487.2 | 1,495.4 | 1,479.4 | 4.1 | 4.3 | 100.83 | 133.6 | -136.1 | 125.7 | 117.5 | 8.18 | 15.362 | | |
| 1,600.0 | 1,586.0 | 1,594.9 | 1,577.3 | 4.4 | 4.7 | 100.17 | 144.2 | -151.0 | 135.0 | 126.2 | 8.84 | 15.266 | | |
| 1,700.0 | 1,684.7 | 1,694.5 | 1,675.2 | 4.7 | 5.1 | 99.60 | 154.8 | -165.8 | 144.4 | 134.9 | 9.51 | 15.186 | | |
| 1,800.0 | 1,783.4 | 1,794.0 | 1,773.0 | 5.1 | 5.4 | 99.09 | 165.3 | -180.7 | 153.7 | 143.6 | 10.17 | 15.117 | | |
| 1,900.0 | 1,882.1 | 1,893.6 | 1,870.9 | 5.4 | 5.8 | 98.65 | 175.9 | -195.5 | 163.1 | 152.3 | 10.83 | 15.058 | | |
| 2,000.0 | 1,980.8 | 1,993.1 | 1,968.8 | 5.7 | 6.1 | 98.25 | 186.5 | -210.3 | 172.5 | 161.0 | 11.49 | 15.007 | | |
| 2,100.0 | 2,079.6 | 2,092.7 | 2,066.7 | 6.1 | 6.5 | 97.90 | 197.0 | -225.2 | 181.9 | 169.7 | 12.16 | 14.962 | | |
| 2,200.0 | 2,178.3 | 2,192.2 | 2,164.5 | 6.4 | 6.9 | 97.58 | 207.6 | -240.0 | 191.3 | 178.5 | 12.82 | 14.922 | | |
| 2,300.0 | 2,277.0 | 2,291.8 | 2,262.4 | 6.7 | 7.2 | 97.29 | 218.2 | -254.9 | 200.7 | 187.2 | 13.48 | 14.887 | | |
| 2,400.0 | 2,375.7 | 2,391.3 | 2,360.3 | 7.0 | 7.6 | 97.02 | 228.7 | -269.7 | 210.1 | 195.9 | 14.14 | 14.855 | | |
| 2,500.0 | 2,474.4 | 2,490.9 | 2,458.1 | 7.4 | 8.0 | 96.78 | 239.3 | -284.5 | 219.5 | 204.7 | 14.80 | 14.827 | | |
| 2,600.0 | 2,573.1 | 2,590.4 | 2,556.0 | 7.7 | 8.3 | 96.56 | 249.9 | -299.4 | 228.9 | 213.4 | 15.46 | 14.801 | | |
| 2,700.0 | 2,671.9 | 2,690.0 | 2,653.9 | 8.0 | 8.7 | 96.35 | 260.4 | -314.2 | 238.3 | 222.2 | 16.13 | 14.778 | | |
| 2,800.0 | 2,770.6 | 2,789.5 | 2,751.8 | 8.4 | 9.1 | 96.16 | 271.0 | -329.1 | 247.7 | 230.9 | 16.79 | 14.757 | | |
| 2,900.0 | 2,869.3 | 2,889.1 | 2,849.6 | 8.7 | 9.4 | 95.99 | 281.6 | -343.9 | 257.2 | 239.7 | 17.45 | 14.737 | | |
| 3,000.0 | 2,968.0 | 2,988.7 | 2,947.5 | 9.0 | 9.8 | 95.82 | 292.1 | -358.7 | 266.6 | 248.5 | 18.11 | 14.720 | | |
| 3,100.0 | 3,066.7 | 3,088.2 | 3,045.4 | 9.4 | 10.2 | 95.67 | 302.7 | -373.6 | 276.0 | 257.2 | 18.77 | 14.703 | | |
| 3,200.0 | 3,165.4 | 3,187.8 | 3,143.2 | 9.7 | 10.5 | 95.53 | 313.3 | -388.4 | 285.4 | 266.0 | 19.43 | 14.688 | | |
| 3,300.0 | 3,264.2 | 3,287.3 | 3,241.1 | 10.0 | 10.9 | 95.40 | 323.8 | -403.3 | 294.9 | 274.8 | 20.09 | 14.674 | | |
| 3,400.0 | 3,362.9 | 3,386.9 | 3,339.0 | 10.4 | 11.2 | 95.27 | 334.4 | -418.1 | 304.3 | 283.5 | 20.76 | 14.661 | | |
| 3,500.0 | 3,461.6 | 3,486.4 | 3,436.9 | 10.7 | 11.6 | 95.16 | 345.0 | -432.9 | 313.7 | 292.3 | 21.42 | 14.649 | | |
| 3,600.0 | 3,560.3 | 3,586.0 | 3,534.7 | 11.0 | 12.0 | 95.05 | 355.5 | -447.8 | 323.2 | 301.1 | 22.08 | 14.637 | | |
| 3,700.0 | 3,659.0 | 3,685.5 | 3,632.6 | 11.3 | 12.3 | 94.94 | 366.1 | -462.6 | 332.6 | 309.9 | 22.74 | 14.627 | | |
| 3,800.0 | 3,757.7 | 3,785.1 | 3,730.5 | 11.7 | 12.7 | 94.85 | 376.6 | -477.5 | 342.0 | 318.6 | 23.40 | 14.617 | | |
| 3,900.0 | 3,856.5 | 3,884.6 | 3,828.3 | 12.0 | 13.1 | 94.75 | 387.2 | -492.3 | 351.5 | 327.4 | 24.06 | 14.607 | | |
| 4,000.0 | 3,955.2 | 3,984.2 | 3,926.2 | 12.3 | 13.4 | 94.66 | 397.8 | -507.1 | 360.9 | 336.2 | 24.72 | 14.599 | | |
| 4,100.0 | 4,053.9 | 4,083.7 | 4,024.1 | 12.7 | 13.8 | 94.58 | 408.3 | -522.0 | 370.3 | 345.0 | 25.38 | 14.590 | | |
| 4,200.0 | 4,152.6 | 4,183.3 | 4,122.0 | 13.0 | 14.2 | 94.50 | 418.9 | -536.8 | 379.8 | 353.7 | 26.04 | 14.583 | | |
| 4,300.0 | 4,251.3 | 4,282.8 | 4,219.8 | 13.3 | 14.5 | 94.43 | 429.5 | -551.6 | 389.2 | 362.5 | 26.70 | 14.575 | | |
| 4,400.0 | 4,350.0 | 4,382.4 | 4,317.7 | 13.7 | 14.9 | 94.35 | 440.0 | -566.5 | 398.7 | 371.3 | 27.37 | 14.568 | | |
| 4,500.0 | 4,448.8 | 4,481.9 | 4,415.6 | 14.0 | 15.3 | 94.29 | 450.6 | -581.3 | 408.1 | 380.1 | 28.03 | 14.562 | | |
| 4,600.0 | 4,547.5 | 4,581.5 | 4,513.4 | 14.3 | 15.6 | 94.22 | 461.2 | -596.2 | 417.6 | 388.9 | 28.69 | 14.555 | | |
| 4,700.0 | 4,646.2 | 4,681.0 | 4,611.3 | 14.7 | 16.0 | 94.16 | 471.7 | -611.0 | 427.0 | 397.6 | 29.35 | 14.549 | | |
| 4,800.0 | 4,744.9 | 4,780.6 | 4,709.2 | 15.0 | 16.4 | 94.10 | 482.3 | -625.8 | 436.4 | 406.4 | 30.01 | 14.543 | | |
| 4,900.0 | 4,843.6 | 4,880.1 | 4,807.1 | 15.3 | 16.7 | 94.04 | 492.9 | -640.7 | 445.9 | 415.2 | 30.67 | 14.538 | | |
| 5,000.0 | 4,942.3 | 4,979.7 | 4,904.9 | 15.7 | 17.1 | 93.99 | 503.4 | -655.5 | 455.3 | 424.0 | 31.33 | 14.533 | | |
| 5,100.0 | 5,041.1 | 5,079.2 | 5,002.8 | 16.0 | 17.5 | 93.93 | 514.0 | -670.4 | 464.8 | 432.8 | 31.99 | 14.528 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|-----------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | Total | | Separation | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | | | |
| 5,200.0 | 5,139.8 | 5,178.8 | 5,100.7 | 16.3 | 17.8 | 93.88 | 524.6 | -685.2 | 474.2 | 441.6 | 32.65 | 14.523 | | |
| 5,300.0 | 5,238.5 | 5,278.4 | 5,198.5 | 16.7 | 18.2 | 93.83 | 535.1 | -700.0 | 483.7 | 450.3 | 33.31 | 14.519 | | |
| 5,400.0 | 5,337.2 | 5,377.9 | 5,296.4 | 17.0 | 18.5 | 93.79 | 545.7 | -714.9 | 493.1 | 459.1 | 33.97 | 14.514 | | |
| 5,500.0 | 5,435.9 | 5,477.5 | 5,394.3 | 17.3 | 18.9 | 93.74 | 556.3 | -729.7 | 502.5 | 467.9 | 34.63 | 14.510 | | |
| 5,600.0 | 5,534.6 | 5,577.0 | 5,492.2 | 17.6 | 19.3 | 93.70 | 566.8 | -744.6 | 512.0 | 476.7 | 35.29 | 14.506 | | |
| 5,700.0 | 5,633.4 | 5,676.6 | 5,590.0 | 18.0 | 19.6 | 93.66 | 577.4 | -759.4 | 521.4 | 485.5 | 35.96 | 14.502 | | |
| 5,800.0 | 5,732.1 | 5,776.1 | 5,687.9 | 18.3 | 20.0 | 93.62 | 588.0 | -774.2 | 530.9 | 494.3 | 36.62 | 14.499 | | |
| 5,900.0 | 5,830.8 | 5,875.7 | 5,785.8 | 18.6 | 20.4 | 93.58 | 598.5 | -789.1 | 540.3 | 503.1 | 37.28 | 14.495 | | |
| 6,000.0 | 5,929.5 | 5,975.2 | 5,883.6 | 19.0 | 20.7 | 93.54 | 609.1 | -803.9 | 549.8 | 511.8 | 37.94 | 14.492 | | |
| 6,100.0 | 6,028.2 | 6,074.8 | 5,981.5 | 19.3 | 21.1 | 93.50 | 619.7 | -818.8 | 559.2 | 520.6 | 38.60 | 14.488 | | |
| 6,200.0 | 6,126.9 | 6,174.3 | 6,079.4 | 19.6 | 21.5 | 93.47 | 630.2 | -833.6 | 568.7 | 529.4 | 39.26 | 14.485 | | |
| 6,300.0 | 6,225.7 | 6,273.9 | 6,177.3 | 20.0 | 21.8 | 93.43 | 640.8 | -848.4 | 578.1 | 538.2 | 39.92 | 14.482 | | |
| 6,400.0 | 6,324.4 | 6,373.4 | 6,275.1 | 20.3 | 22.2 | 93.40 | 651.4 | -863.3 | 587.6 | 547.0 | 40.58 | 14.479 | | |
| 6,500.0 | 6,423.1 | 6,473.0 | 6,373.0 | 20.6 | 22.6 | 93.37 | 661.9 | -878.1 | 597.0 | 555.8 | 41.24 | 14.476 | | |
| 6,600.0 | 6,521.8 | 6,572.5 | 6,470.9 | 21.0 | 22.9 | 93.34 | 672.5 | -893.0 | 606.5 | 564.6 | 41.90 | 14.474 | | |
| 6,700.0 | 6,620.5 | 6,672.1 | 6,568.7 | 21.3 | 23.3 | 93.31 | 683.1 | -907.8 | 615.9 | 573.3 | 42.56 | 14.471 | | |
| 6,800.0 | 6,719.2 | 6,771.6 | 6,666.6 | 21.6 | 23.7 | 93.28 | 693.6 | -922.6 | 625.4 | 582.1 | 43.22 | 14.468 | | |
| 6,900.0 | 6,818.0 | 6,871.2 | 6,764.5 | 22.0 | 24.0 | 93.26 | 704.2 | -937.5 | 634.8 | 590.9 | 43.88 | 14.465 | | |
| 7,000.0 | 6,917.0 | 6,980.5 | 6,872.2 | 22.2 | 24.4 | 93.33 | 714.9 | -952.5 | 643.5 | 599.0 | 44.50 | 14.462 | | |
| 7,100.0 | 7,016.4 | 7,091.9 | 6,982.6 | 22.5 | 24.7 | 93.36 | 723.4 | -964.5 | 650.2 | 605.2 | 45.00 | 14.450 | | |
| 7,200.0 | 7,116.2 | 7,203.6 | 7,093.8 | 22.6 | 24.9 | 93.34 | 729.4 | -972.9 | 655.0 | 609.6 | 45.39 | 14.431 | | |
| 7,300.0 | 7,216.1 | 7,315.5 | 7,205.5 | 22.8 | 25.1 | 93.28 | 732.9 | -977.8 | 657.7 | 612.0 | 45.66 | 14.403 | | |
| 7,400.0 | 7,316.1 | 7,426.2 | 7,316.3 | 22.9 | 25.2 | 127.54 | 733.9 | -979.2 | 658.5 | 612.6 | 45.87 | 14.356 | | |
| 7,500.0 | 7,416.1 | 7,528.0 | 7,418.1 | 23.0 | 25.3 | 127.55 | 733.8 | -979.4 | 658.6 | 612.5 | 46.08 | 14.292 | | |
| 7,600.0 | 7,516.1 | 7,629.8 | 7,519.9 | 23.1 | 25.4 | 127.56 | 733.4 | -980.1 | 658.6 | 612.3 | 46.30 | 14.225 | | |
| 7,700.0 | 7,616.1 | 7,731.6 | 7,621.6 | 23.2 | 25.5 | 127.57 | 732.8 | -981.1 | 658.7 | 612.2 | 46.54 | 14.155 | | |
| 7,800.0 | 7,716.1 | 7,832.3 | 7,722.3 | 23.3 | 25.6 | 127.57 | 732.0 | -982.4 | 658.7 | 612.0 | 46.77 | 14.083 | | |
| 7,900.0 | 7,816.0 | 7,932.3 | 7,822.3 | 23.4 | 25.7 | 127.57 | 731.3 | -983.8 | 658.7 | 611.7 | 47.01 | 14.012 | | |
| 8,000.0 | 7,916.0 | 8,032.3 | 7,922.3 | 23.6 | 25.8 | 127.57 | 730.5 | -985.1 | 658.7 | 611.5 | 47.25 | 13.941 | | |
| 8,100.0 | 8,016.0 | 8,132.3 | 8,022.3 | 23.7 | 25.9 | 127.57 | 729.7 | -986.5 | 658.7 | 611.2 | 47.49 | 13.870 | | |
| 8,200.0 | 8,116.0 | 8,232.3 | 8,122.2 | 23.8 | 26.0 | 127.57 | 728.9 | -987.8 | 658.7 | 611.0 | 47.74 | 13.800 | | |
| 8,300.0 | 8,216.0 | 8,332.3 | 8,222.2 | 23.9 | 26.1 | 127.57 | 728.2 | -989.2 | 658.7 | 610.8 | 47.98 | 13.729 | | |
| 8,400.0 | 8,316.0 | 8,432.3 | 8,322.2 | 24.0 | 26.2 | 127.57 | 727.4 | -990.5 | 658.7 | 610.5 | 48.23 | 13.660 | | |
| 8,500.0 | 8,416.0 | 8,532.3 | 8,422.2 | 24.2 | 26.3 | 127.57 | 726.6 | -991.9 | 658.7 | 610.3 | 48.47 | 13.590 | | |
| 8,600.0 | 8,516.0 | 8,632.3 | 8,522.2 | 24.3 | 26.4 | 127.57 | 725.8 | -993.2 | 658.7 | 610.0 | 48.72 | 13.521 | | |
| 8,700.0 | 8,615.9 | 8,732.3 | 8,622.2 | 24.4 | 26.5 | 127.57 | 725.1 | -994.6 | 658.7 | 609.8 | 48.97 | 13.452 | | |
| 8,800.0 | 8,715.9 | 8,832.3 | 8,722.2 | 24.5 | 26.6 | 127.57 | 724.3 | -995.9 | 658.7 | 609.5 | 49.22 | 13.384 | | |
| 8,900.0 | 8,815.9 | 8,932.3 | 8,822.2 | 24.7 | 26.7 | 127.57 | 723.5 | -997.3 | 658.7 | 609.3 | 49.47 | 13.316 | | |
| 9,000.0 | 8,915.9 | 9,032.3 | 8,922.2 | 24.8 | 26.8 | 127.57 | 722.7 | -998.6 | 658.7 | 609.0 | 49.72 | 13.248 | | |
| 9,100.0 | 9,015.9 | 9,132.3 | 9,022.1 | 24.9 | 27.0 | 127.57 | 722.0 | -1,000.0 | 658.7 | 608.8 | 49.98 | 13.181 | | |
| 9,200.0 | 9,115.9 | 9,232.3 | 9,122.1 | 25.1 | 27.1 | 127.57 | 721.2 | -1,001.3 | 658.7 | 608.5 | 50.23 | 13.114 | | |
| 9,300.0 | 9,215.9 | 9,332.3 | 9,222.1 | 25.2 | 27.2 | 127.57 | 720.4 | -1,002.7 | 658.7 | 608.3 | 50.49 | 13.047 | | |
| 9,400.0 | 9,315.9 | 9,432.3 | 9,322.1 | 25.3 | 27.3 | 127.57 | 719.6 | -1,004.0 | 658.7 | 608.0 | 50.75 | 12.981 | | |
| 9,500.0 | 9,415.9 | 9,532.3 | 9,422.1 | 25.4 | 27.4 | 127.57 | 718.9 | -1,005.4 | 658.7 | 607.7 | 51.01 | 12.915 | | |
| 9,600.0 | 9,515.8 | 9,632.3 | 9,522.1 | 25.6 | 27.5 | 127.57 | 718.1 | -1,006.7 | 658.7 | 607.5 | 51.27 | 12.850 | | |
| 9,700.0 | 9,615.8 | 9,732.3 | 9,622.1 | 25.7 | 27.6 | 127.57 | 717.3 | -1,008.1 | 658.7 | 607.2 | 51.53 | 12.785 | | |
| 9,800.0 | 9,715.8 | 9,832.3 | 9,722.1 | 25.8 | 27.8 | 127.57 | 716.5 | -1,009.4 | 658.7 | 607.0 | 51.79 | 12.720 | | |
| 9,900.0 | 9,815.8 | 9,932.3 | 9,822.0 | 26.0 | 27.9 | 127.57 | 715.8 | -1,010.8 | 658.7 | 606.7 | 52.05 | 12.656 | | |
| 10,000.0 | 9,915.8 | 10,032.3 | 9,922.0 | 26.1 | 28.0 | 127.57 | 715.0 | -1,012.1 | 658.7 | 606.4 | 52.32 | 12.592 | | |
| 10,100.0 | 10,015.8 | 10,132.3 | 10,022.0 | 26.2 | 28.1 | 127.57 | 714.2 | -1,013.5 | 658.7 | 606.2 | 52.58 | 12.528 | | |
| 10,103.2 | 10,019.0 | 10,135.5 | 10,025.2 | 26.2 | 28.1 | 127.57 | 714.2 | -1,013.5 | 658.7 | 606.2 | 52.59 | 12.526 SF | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

| Offset Design Section 6 T6S R96W - Chevron 6-39D - DD - Plan #1 | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|--------------------|---------|
| Survey Program: 0- | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning |
| 6,000.0 | 5,929.5 | 6,101.5 | 5,984.6 | 19.0 | 23.1 | 86.74 | 1,276.0 | -889.8 | 1,218.4 | 1,180.3 | 38.05 | 32.023 | |
| 6,100.0 | 6,028.2 | 6,200.6 | 6,081.6 | 19.3 | 23.5 | 86.73 | 1,263.6 | -905.8 | 1,204.6 | 1,165.9 | 38.71 | 31.121 | |
| 6,200.0 | 6,126.9 | 6,299.6 | 6,178.5 | 19.6 | 23.9 | 86.73 | 1,251.1 | -921.8 | 1,190.8 | 1,151.4 | 39.37 | 30.249 | |
| 6,300.0 | 6,225.7 | 6,398.7 | 6,275.4 | 20.0 | 24.3 | 86.72 | 1,238.6 | -937.8 | 1,177.0 | 1,136.9 | 40.03 | 29.405 | |
| 6,400.0 | 6,324.4 | 6,497.7 | 6,372.4 | 20.3 | 24.7 | 86.71 | 1,226.1 | -953.8 | 1,163.1 | 1,122.5 | 40.69 | 28.589 | |
| 6,500.0 | 6,423.1 | 6,596.7 | 6,469.3 | 20.6 | 25.1 | 86.71 | 1,213.6 | -969.8 | 1,149.3 | 1,108.0 | 41.35 | 27.799 | |
| 6,600.0 | 6,521.8 | 6,695.8 | 6,566.3 | 21.0 | 25.5 | 86.70 | 1,201.1 | -985.9 | 1,135.5 | 1,093.5 | 42.01 | 27.033 | |
| 6,700.0 | 6,620.5 | 6,794.8 | 6,663.2 | 21.3 | 25.9 | 86.69 | 1,188.7 | -1,001.9 | 1,121.7 | 1,079.1 | 42.67 | 26.291 | |
| 6,800.0 | 6,719.2 | 6,882.3 | 6,748.9 | 21.6 | 26.2 | 86.70 | 1,177.9 | -1,015.7 | 1,108.2 | 1,065.0 | 43.27 | 25.611 | |
| 6,900.0 | 6,818.0 | 6,962.4 | 6,827.8 | 22.0 | 26.4 | 86.79 | 1,169.3 | -1,026.7 | 1,096.3 | 1,052.5 | 43.81 | 25.027 | |
| 7,000.0 | 6,917.0 | 7,042.8 | 6,907.3 | 22.2 | 26.7 | 86.69 | 1,162.0 | -1,036.1 | 1,086.2 | 1,041.9 | 44.30 | 24.520 | |
| 7,100.0 | 7,016.4 | 7,123.5 | 6,987.4 | 22.5 | 26.9 | 86.58 | 1,156.1 | -1,043.6 | 1,078.1 | 1,033.4 | 44.72 | 24.107 | |
| 7,200.0 | 7,116.2 | 7,200.0 | 7,063.6 | 22.6 | 27.0 | 86.46 | 1,151.8 | -1,049.2 | 1,072.0 | 1,026.9 | 45.07 | 23.787 | |
| 7,300.0 | 7,216.1 | 7,285.3 | 7,148.7 | 22.8 | 27.2 | 86.31 | 1,148.4 | -1,053.5 | 1,067.8 | 1,022.5 | 45.35 | 23.548 | |
| 7,400.0 | 7,316.1 | 7,366.4 | 7,229.8 | 22.9 | 27.2 | 120.52 | 1,146.7 | -1,055.7 | 1,065.6 | 1,020.1 | 45.56 | 23.388 | |
| 7,459.5 | 7,375.6 | 7,414.8 | 7,278.1 | 22.9 | 27.3 | 120.51 | 1,146.3 | -1,056.2 | 1,065.3 | 1,019.6 | 45.68 | 23.319 CC | |
| 7,500.0 | 7,416.1 | 7,453.4 | 7,316.7 | 23.0 | 27.3 | 120.52 | 1,146.3 | -1,056.2 | 1,065.4 | 1,019.6 | 45.76 | 23.280 | |
| 7,600.0 | 7,516.1 | 7,555.8 | 7,419.2 | 23.1 | 27.4 | 120.54 | 1,146.1 | -1,056.5 | 1,065.6 | 1,019.7 | 45.98 | 23.175 | |
| 7,700.0 | 7,616.1 | 7,658.2 | 7,521.6 | 23.2 | 27.5 | 120.56 | 1,145.7 | -1,057.2 | 1,065.9 | 1,019.7 | 46.21 | 23.065 | |
| 7,800.0 | 7,716.1 | 7,760.6 | 7,624.0 | 23.3 | 27.6 | 120.58 | 1,145.1 | -1,058.3 | 1,066.1 | 1,019.6 | 46.45 | 22.950 | |
| 7,900.0 | 7,816.0 | 7,861.2 | 7,724.5 | 23.4 | 27.7 | 120.58 | 1,144.3 | -1,059.7 | 1,066.1 | 1,019.4 | 46.69 | 22.831 | |
| 8,000.0 | 7,916.0 | 7,961.2 | 7,824.5 | 23.6 | 27.8 | 120.58 | 1,143.5 | -1,061.0 | 1,066.1 | 1,019.1 | 46.94 | 22.712 | |
| 8,100.0 | 8,016.0 | 8,061.2 | 7,924.5 | 23.7 | 27.9 | 120.58 | 1,142.7 | -1,062.4 | 1,066.1 | 1,018.9 | 47.18 | 22.594 | |
| 8,200.0 | 8,116.0 | 8,161.2 | 8,024.5 | 23.8 | 28.1 | 120.58 | 1,142.0 | -1,063.7 | 1,066.0 | 1,018.6 | 47.43 | 22.477 | |
| 8,300.0 | 8,216.0 | 8,261.2 | 8,124.4 | 23.9 | 28.2 | 120.58 | 1,141.2 | -1,065.1 | 1,066.0 | 1,018.4 | 47.68 | 22.361 | |
| 8,400.0 | 8,316.0 | 8,361.2 | 8,224.4 | 24.0 | 28.3 | 120.58 | 1,140.4 | -1,066.4 | 1,066.0 | 1,018.1 | 47.92 | 22.245 | |
| 8,500.0 | 8,416.0 | 8,461.2 | 8,324.4 | 24.2 | 28.4 | 120.58 | 1,139.6 | -1,067.7 | 1,066.0 | 1,017.9 | 48.17 | 22.129 | |
| 8,600.0 | 8,516.0 | 8,561.2 | 8,424.4 | 24.3 | 28.5 | 120.58 | 1,138.9 | -1,069.1 | 1,066.0 | 1,017.6 | 48.43 | 22.014 | |
| 8,700.0 | 8,615.9 | 8,661.2 | 8,524.4 | 24.4 | 28.6 | 120.58 | 1,138.1 | -1,070.4 | 1,066.0 | 1,017.4 | 48.68 | 21.900 | |
| 8,800.0 | 8,715.9 | 8,761.2 | 8,624.4 | 24.5 | 28.7 | 120.58 | 1,137.3 | -1,071.8 | 1,066.0 | 1,017.1 | 48.93 | 21.787 | |
| 8,900.0 | 8,815.9 | 8,861.2 | 8,724.4 | 24.7 | 28.9 | 120.58 | 1,136.5 | -1,073.1 | 1,066.0 | 1,016.9 | 49.19 | 21.674 | |
| 9,000.0 | 8,915.9 | 8,961.2 | 8,824.4 | 24.8 | 29.0 | 120.58 | 1,135.7 | -1,074.5 | 1,066.0 | 1,016.6 | 49.44 | 21.561 | |
| 9,100.0 | 9,015.9 | 9,061.2 | 8,924.3 | 24.9 | 29.1 | 120.58 | 1,135.0 | -1,075.8 | 1,066.0 | 1,016.3 | 49.70 | 21.450 | |
| 9,200.0 | 9,115.9 | 9,161.2 | 9,024.3 | 25.1 | 29.2 | 120.58 | 1,134.2 | -1,077.2 | 1,066.0 | 1,016.1 | 49.96 | 21.339 | |
| 9,300.0 | 9,215.9 | 9,261.2 | 9,124.3 | 25.2 | 29.3 | 120.58 | 1,133.4 | -1,078.5 | 1,066.0 | 1,015.8 | 50.22 | 21.228 | |
| 9,400.0 | 9,315.9 | 9,361.2 | 9,224.3 | 25.3 | 29.4 | 120.58 | 1,132.6 | -1,079.9 | 1,066.0 | 1,015.6 | 50.48 | 21.119 | |
| 9,500.0 | 9,415.9 | 9,461.2 | 9,324.3 | 25.4 | 29.6 | 120.58 | 1,131.8 | -1,081.2 | 1,066.0 | 1,015.3 | 50.74 | 21.010 | |
| 9,600.0 | 9,515.8 | 9,561.2 | 9,424.3 | 25.6 | 29.7 | 120.58 | 1,131.1 | -1,082.6 | 1,066.0 | 1,015.0 | 51.00 | 20.901 | |
| 9,700.0 | 9,615.8 | 9,661.2 | 9,524.3 | 25.7 | 29.8 | 120.58 | 1,130.3 | -1,083.9 | 1,066.0 | 1,014.8 | 51.27 | 20.794 | |
| 9,800.0 | 9,715.8 | 9,761.2 | 9,624.3 | 25.8 | 29.9 | 120.58 | 1,129.5 | -1,085.3 | 1,066.0 | 1,014.5 | 51.53 | 20.687 | |
| 9,900.0 | 9,815.8 | 9,861.2 | 9,724.2 | 26.0 | 30.0 | 120.58 | 1,128.7 | -1,086.6 | 1,066.0 | 1,014.2 | 51.80 | 20.581 | |
| 10,000.0 | 9,915.8 | 9,961.2 | 9,824.2 | 26.1 | 30.2 | 120.58 | 1,128.0 | -1,088.0 | 1,066.0 | 1,014.0 | 52.06 | 20.475 | |
| 10,100.0 | 10,015.8 | 10,061.2 | 9,924.2 | 26.2 | 30.3 | 120.58 | 1,127.2 | -1,089.3 | 1,066.0 | 1,013.7 | 52.33 | 20.370 | |
| 10,103.2 | 10,019.0 | 10,064.4 | 9,927.4 | 26.2 | 30.3 | 120.58 | 1,127.2 | -1,089.3 | 1,066.0 | 1,013.7 | 52.34 | 20.367 ES, SF | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Cathedral Energy Services

Anticollision Report

| | | | |
|---------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Company: | Berry Petroleum Company (NAD 83) | Local Co-ordinate Reference: | Well Chevron 6-36D |
| Project: | Garfield County | TVD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Reference Site: | Sec 6 T6S R96W (F06 696) | MD Reference: | KBE @ 8244.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Chevron 6-36D | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | DD | Database: | EDM 5000.1 US Multi Users DB |
| Reference Design: | Plan #2 | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to KBE @ 8244.0ft (Original Well Elev)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Chevron 6-36D
Coordinate System is US State Plane 1983, Colorado Central Zone
Grid Convergence at Surface is: -1.67°

