

Project: Weld County, CO
Site: SEC 36 T8N-R67W
Well: Hudson's Bay 8-67-36-25
Wellbore: Hz
Design: Plan 5

Reference Details

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Latitude: 40° 36' 40.611 N
 Longitude: 104° 50' 38.209 W
 Grid Convergence: 0.42° West
 Ground Elevation: 5179.0
 KB Elevation: KB @ 5204.0usft



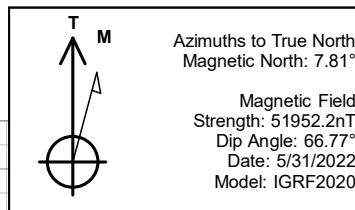
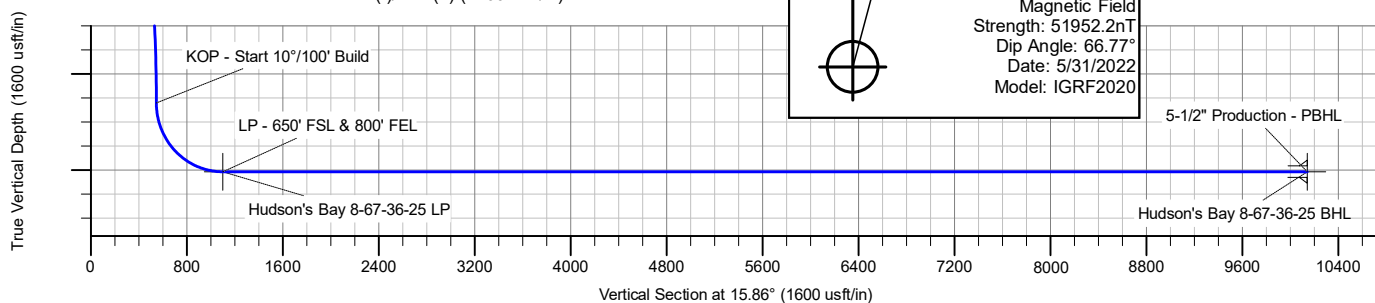
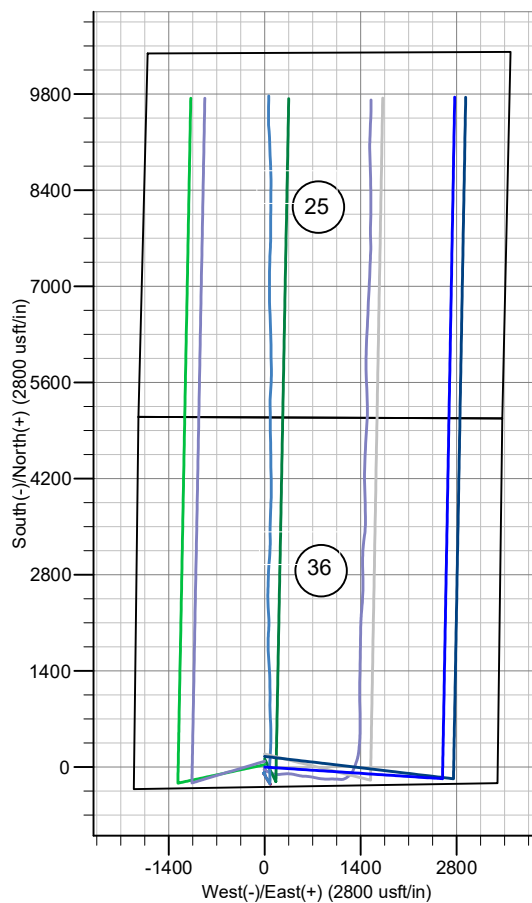
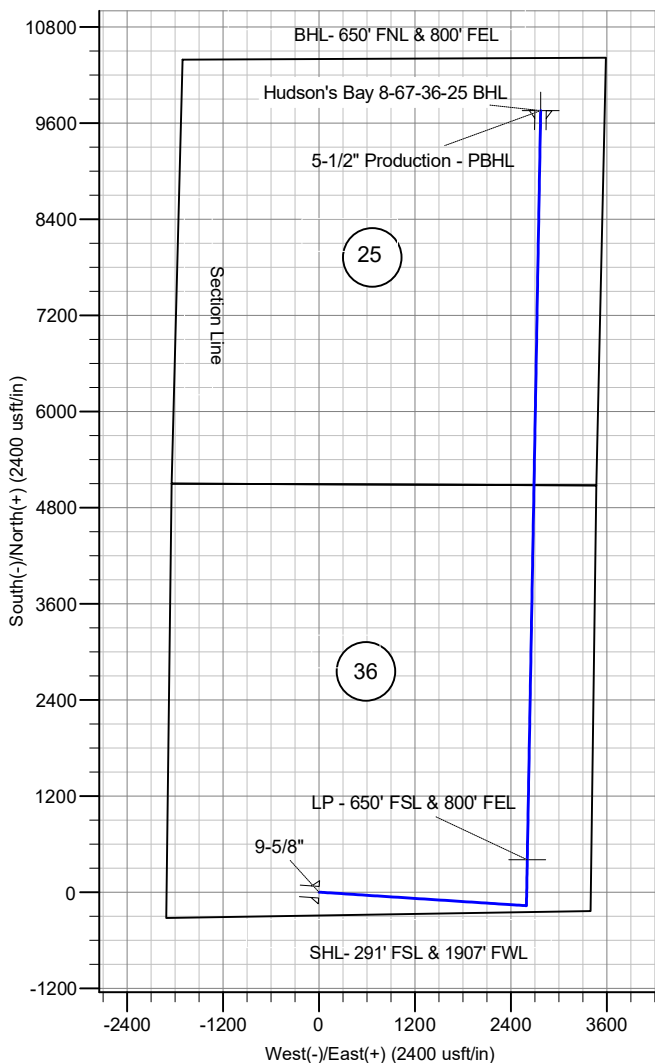
RPM Consulting, Inc.
 1600 Broadway, Suite 1480
 Denver, CO 80202
 303-595-7625

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect |
|---------|-------|-------|--------|--------|--------|-------|--------|---------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1500.0 | 0.00 | 0.00 | 1500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1510.4 | 0.00 | 0.00 | 1510.4 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 3560.4 | 41.00 | 93.72 | 3389.8 | -45.6 | 701.2 | 2.00 | 93.72 | 147.7 |
| 5379.2 | 41.00 | 93.72 | 4762.5 | -123.1 | 1892.0 | 0.00 | 0.00 | 398.6 |
| 7429.2 | 0.00 | 0.00 | 6642.0 | -168.7 | 2593.2 | 2.00 | 180.00 | 546.3 |
| 8329.2 | 90.00 | 1.04 | 7215.0 | 404.2 | 2603.6 | 10.00 | 1.04 | 1100.2 |
| 8329.8 | 90.00 | 1.03 | 7215.0 | 404.8 | 2603.6 | 2.00 | -91.17 | 1100.8 |
| 17682.8 | 90.00 | 1.03 | 7215.0 | 9756.3 | 2771.3 | 0.00 | 0.00 | 10142.2 |

CASING DETAILS

| TVD | MD | Name |
|--------|---------|------------|
| 1500.0 | 1500.0 | Surface |
| 7215.0 | 17682.8 | Production |



Enerplus Resources (USA) Corporation

**Weld County, CO
SEC 36 T8N-R67W
Hudson's Bay 8-67-36-25**

Hz

Plan: Plan 5

Standard Planning Report

02 May, 2022

Planning Report

| | | | |
|------------------|--------------------------------------|-------------------------------------|------------------------------|
| Database: | EDM Server Database | Local Co-ordinate Reference: | Well Hudson's Bay 8-67-36-25 |
| Company: | Enerplus Resources (USA) Corporation | TVD Reference: | KB @ 5204.0usft |
| Project: | Weld County, CO | MD Reference: | KB @ 5204.0usft |
| Site: | SEC 36 T8N-R67W | North Reference: | True |
| Well: | Hudson's Bay 8-67-36-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan 5 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Weld County, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | | |
|-----------------------|----------|-----------------|-------------------|------------|-------------------|
| Site | | SEC 36 T8N-R67W | | | |
| Site Position: | | Northing: | 1,466,170.19 usft | Latitude: | 40° 36' 40.266 N |
| From: | Lat/Long | Easting: | 3,182,147.25 usft | Longitude: | 104° 50' 38.202 W |
| Position Uncertainty: | | 0.0 usft | Slot Radius: | 13-3/16 " | |

| Well | | Hudson's Bay 8-67-36-25 | | | | |
|----------------------|-------|-------------------------|---------------------|-------------------|---------------|-------------------|
| Well Position | +N/-S | 0.0 usft | Northing: | 1,466,205.14 usft | Latitude: | 40° 36' 40.611 N |
| | +E/-W | 0.0 usft | Easting: | 3,182,146.43 usft | Longitude: | 104° 50' 38.209 W |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | usft | Ground Level: | 5,179.0 usft |
| Grid Convergence: | | 0.42 ° | | | | |

| | | | | | |
|------------------|-------------------|--------------------|----------------------------|--------------------------|--------------------------------|
| Wellbore | Hz | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2020 | 5/31/2022 | 7.81 | 66.77 | 51,952.18720463 |

| | | | | | |
|--------------------------|------------------------------------|-------------------------|-------------------------|--------------------------|-----|
| Design | Plan 5 | | | | |
| Audit Notes: | | | | | |
| Version: | | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) | |
| | 0.0 | 0.0 | 0.0 | 15.86 | |

| | | | | | |
|---------------------------------|----------------------------|--------------------------|---------------------|----------------|--|
| Plan Survey Tool Program | Date | 5/2/2022 | | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks | |
| 1 | 0.0 | 17,682.8 Plan 5 (Hz) | MWD | | |
| | | | OWSG MWD - Standard | | |

Planning Report

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|------------------|--------------------------------------|-------------------------------------|------------------------------|
| Database: | EDM Server Database | Local Co-ordinate Reference: | Well Hudson's Bay 8-67-36-25 |
| Company: | Enerplus Resources (USA) Corporation | TVD Reference: | KB @ 5204.0usft |
| Project: | Weld County, CO | MD Reference: | KB @ 5204.0usft |
| Site: | SEC 36 T8N-R67W | North Reference: | True |
| Well: | Hudson's Bay 8-67-36-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan 5 | | |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|-------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,510.4 | 0.00 | 0.00 | 1,510.4 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3,560.4 | 41.00 | 93.72 | 3,389.8 | -45.6 | 701.2 | 2.00 | 2.00 | 0.00 | 93.72 | |
| 5,379.2 | 41.00 | 93.72 | 4,762.5 | -123.1 | 1,892.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,429.2 | 0.00 | 0.00 | 6,642.0 | -168.7 | 2,593.2 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,329.2 | 90.00 | 1.04 | 7,215.0 | 404.2 | 2,603.6 | 10.00 | 10.00 | 0.00 | 1.04 | |
| 8,329.8 | 90.00 | 1.03 | 7,215.0 | 404.8 | 2,603.6 | 2.00 | -0.04 | -2.00 | -91.17 | |
| 17,682.8 | 90.00 | 1.03 | 7,215.0 | 9,756.3 | 2,771.3 | 0.00 | 0.00 | 0.00 | 0.00 | Hudson's Bay 8-67-36-25 |

Planning Report

| | | | |
|------------------|--------------------------------------|-------------------------------------|------------------------------|
| Database: | EDM Server Database | Local Co-ordinate Reference: | Well Hudson's Bay 8-67-36-25 |
| Company: | Enerplus Resources (USA) Corporation | TVD Reference: | KB @ 5204.0usft |
| Project: | Weld County, CO | MD Reference: | KB @ 5204.0usft |
| Site: | SEC 36 T8N-R67W | North Reference: | True |
| Well: | Hudson's Bay 8-67-36-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan 5 | | |

| Planned Survey | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,326.0 | 0.00 | 0.00 | 1,326.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Pierre | | | | | | | | | |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 9-5/8" - Surface | | | | | | | | | |
| 1,510.4 | 0.00 | 0.00 | 1,510.4 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Begin 1.5° Nudge | | | | | | | | | |
| 1,600.0 | 1.79 | 93.72 | 1,600.0 | -0.1 | 1.4 | 0.3 | 2.00 | 2.00 | 0.00 |
| 1,700.0 | 3.79 | 93.72 | 1,699.9 | -0.4 | 6.3 | 1.3 | 2.00 | 2.00 | 0.00 |
| 1,800.0 | 5.79 | 93.72 | 1,799.5 | -0.9 | 14.6 | 3.1 | 2.00 | 2.00 | 0.00 |
| 1,900.0 | 7.79 | 93.72 | 1,898.8 | -1.7 | 26.4 | 5.6 | 2.00 | 2.00 | 0.00 |
| 2,000.0 | 9.79 | 93.72 | 1,997.6 | -2.7 | 41.7 | 8.8 | 2.00 | 2.00 | 0.00 |
| 2,100.0 | 11.79 | 93.72 | 2,095.8 | -3.9 | 60.3 | 12.7 | 2.00 | 2.00 | 0.00 |
| 2,200.0 | 13.79 | 93.72 | 2,193.4 | -5.4 | 82.4 | 17.4 | 2.00 | 2.00 | 0.00 |
| 2,300.0 | 15.79 | 93.72 | 2,290.0 | -7.0 | 107.9 | 22.7 | 2.00 | 2.00 | 0.00 |
| 2,400.0 | 17.79 | 93.72 | 2,385.8 | -8.9 | 136.7 | 28.8 | 2.00 | 2.00 | 0.00 |
| 2,500.0 | 19.79 | 93.72 | 2,480.4 | -11.0 | 168.9 | 35.6 | 2.00 | 2.00 | 0.00 |
| 2,600.0 | 21.79 | 93.72 | 2,573.9 | -13.3 | 204.3 | 43.0 | 2.00 | 2.00 | 0.00 |
| 2,700.0 | 23.79 | 93.72 | 2,666.1 | -15.8 | 243.0 | 51.2 | 2.00 | 2.00 | 0.00 |
| 2,800.0 | 25.79 | 93.72 | 2,756.9 | -18.5 | 284.8 | 60.0 | 2.00 | 2.00 | 0.00 |
| 2,900.0 | 27.79 | 93.72 | 2,846.1 | -21.5 | 329.8 | 69.5 | 2.00 | 2.00 | 0.00 |
| 3,000.0 | 29.79 | 93.72 | 2,933.8 | -24.6 | 377.8 | 79.6 | 2.00 | 2.00 | 0.00 |
| 3,100.0 | 31.79 | 93.72 | 3,019.7 | -27.9 | 428.9 | 90.4 | 2.00 | 2.00 | 0.00 |
| 3,200.0 | 33.79 | 93.72 | 3,103.7 | -31.4 | 483.0 | 101.7 | 2.00 | 2.00 | 0.00 |
| 3,300.0 | 35.79 | 93.72 | 3,185.8 | -35.1 | 539.9 | 113.7 | 2.00 | 2.00 | 0.00 |
| 3,400.0 | 37.79 | 93.72 | 3,265.9 | -39.0 | 599.7 | 126.3 | 2.00 | 2.00 | 0.00 |
| 3,500.0 | 39.79 | 93.72 | 3,343.9 | -43.1 | 662.2 | 139.5 | 2.00 | 2.00 | 0.00 |
| 3,560.4 | 41.00 | 93.72 | 3,389.9 | -45.6 | 701.3 | 147.7 | 2.00 | 2.00 | 0.00 |
| Begin 41° Tangent | | | | | | | | | |
| 3,600.0 | 41.00 | 93.72 | 3,419.7 | -47.3 | 727.2 | 153.2 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 41.00 | 93.72 | 3,495.2 | -51.6 | 792.6 | 167.0 | 0.00 | 0.00 | 0.00 |
| 3,743.4 | 41.00 | 93.72 | 3,528.0 | -53.4 | 821.1 | 173.0 | 0.00 | 0.00 | 0.00 |
| Richards | | | | | | | | | |
| 3,800.0 | 41.00 | 93.72 | 3,570.7 | -55.8 | 858.1 | 180.8 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 41.00 | 93.72 | 3,646.2 | -60.1 | 923.6 | 194.6 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 41.00 | 93.72 | 3,721.6 | -64.3 | 989.0 | 208.4 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 41.00 | 93.72 | 3,797.1 | -68.6 | 1,054.5 | 222.1 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 41.00 | 93.72 | 3,872.6 | -72.9 | 1,120.0 | 235.9 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 41.00 | 93.72 | 3,948.0 | -77.1 | 1,185.4 | 249.7 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 41.00 | 93.72 | 4,023.5 | -81.4 | 1,250.9 | 263.5 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|--------------------------------------|-------------------------------------|------------------------------|
| Database: | EDM Server Database | Local Co-ordinate Reference: | Well Hudson's Bay 8-67-36-25 |
| Company: | Enerplus Resources (USA) Corporation | TVD Reference: | KB @ 5204.0usft |
| Project: | Weld County, CO | MD Reference: | KB @ 5204.0usft |
| Site: | SEC 36 T8N-R67W | North Reference: | True |
| Well: | Hudson's Bay 8-67-36-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan 5 | | |

| Planned Survey | | | | | | | | | |
|------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,500.0 | 41.00 | 93.72 | 4,099.0 | -85.6 | 1,316.4 | 277.3 | 0.00 | 0.00 | 0.00 |
| 4,510.6 | 41.00 | 93.72 | 4,107.0 | -86.1 | 1,323.3 | 278.8 | 0.00 | 0.00 | 0.00 |
| Terry | | | | | | | | | |
| 4,600.0 | 41.00 | 93.72 | 4,174.5 | -89.9 | 1,381.9 | 291.1 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 41.00 | 93.72 | 4,249.9 | -94.2 | 1,447.3 | 304.9 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 41.00 | 93.72 | 4,325.4 | -98.4 | 1,512.8 | 318.7 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 41.00 | 93.72 | 4,400.9 | -102.7 | 1,578.3 | 332.5 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 41.00 | 93.72 | 4,476.3 | -106.9 | 1,643.7 | 346.3 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 41.00 | 93.72 | 4,551.8 | -111.2 | 1,709.2 | 360.1 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 41.00 | 93.72 | 4,627.3 | -115.4 | 1,774.7 | 373.9 | 0.00 | 0.00 | 0.00 |
| 5,268.5 | 41.00 | 93.72 | 4,679.0 | -118.4 | 1,819.5 | 383.3 | 0.00 | 0.00 | 0.00 |
| Hygeine | | | | | | | | | |
| 5,300.0 | 41.00 | 93.72 | 4,702.8 | -119.7 | 1,840.1 | 387.6 | 0.00 | 0.00 | 0.00 |
| 5,379.2 | 41.00 | 93.72 | 4,762.5 | -123.1 | 1,892.0 | 398.6 | 0.00 | 0.00 | 0.00 |
| Begin 1.5° Nudge to Vertical | | | | | | | | | |
| 5,400.0 | 40.58 | 93.72 | 4,778.3 | -124.0 | 1,905.5 | 401.4 | 2.00 | -2.00 | 0.00 |
| 5,500.0 | 38.58 | 93.72 | 4,855.3 | -128.1 | 1,969.1 | 414.8 | 2.00 | -2.00 | 0.00 |
| 5,600.0 | 36.58 | 93.72 | 4,934.6 | -132.1 | 2,030.0 | 427.6 | 2.00 | -2.00 | 0.00 |
| 5,700.0 | 34.58 | 93.72 | 5,015.9 | -135.8 | 2,088.0 | 439.9 | 2.00 | -2.00 | 0.00 |
| 5,800.0 | 32.58 | 93.72 | 5,099.2 | -139.4 | 2,143.2 | 451.5 | 2.00 | -2.00 | 0.00 |
| 5,900.0 | 30.58 | 93.72 | 5,184.4 | -142.8 | 2,195.5 | 462.5 | 2.00 | -2.00 | 0.00 |
| 6,000.0 | 28.58 | 93.72 | 5,271.3 | -146.0 | 2,244.8 | 472.9 | 2.00 | -2.00 | 0.00 |
| 6,100.0 | 26.58 | 93.72 | 5,360.0 | -149.0 | 2,291.0 | 482.6 | 2.00 | -2.00 | 0.00 |
| 6,130.1 | 25.98 | 93.72 | 5,387.0 | -149.9 | 2,304.3 | 485.4 | 2.00 | -2.00 | 0.00 |
| Lower Pierre zero | | | | | | | | | |
| 6,200.0 | 24.58 | 93.72 | 5,450.2 | -151.8 | 2,334.1 | 491.7 | 2.00 | -2.00 | 0.00 |
| 6,300.0 | 22.58 | 93.72 | 5,541.8 | -154.4 | 2,374.0 | 500.1 | 2.00 | -2.00 | 0.00 |
| 6,400.0 | 20.58 | 93.72 | 5,634.8 | -156.8 | 2,410.7 | 507.8 | 2.00 | -2.00 | 0.00 |
| 6,500.0 | 18.58 | 93.72 | 5,729.0 | -159.0 | 2,444.1 | 514.9 | 2.00 | -2.00 | 0.00 |
| 6,600.0 | 16.58 | 93.72 | 5,824.3 | -161.0 | 2,474.3 | 521.2 | 2.00 | -2.00 | 0.00 |
| 6,611.1 | 16.36 | 93.72 | 5,835.0 | -161.2 | 2,477.4 | 521.9 | 2.00 | -2.00 | 0.00 |
| Lower Pierre 1 | | | | | | | | | |
| 6,700.0 | 14.58 | 93.72 | 5,920.6 | -162.7 | 2,501.1 | 526.9 | 2.00 | -2.00 | 0.00 |
| 6,800.0 | 12.58 | 93.72 | 6,017.8 | -164.2 | 2,524.5 | 531.8 | 2.00 | -2.00 | 0.00 |
| 6,900.0 | 10.58 | 93.72 | 6,115.8 | -165.5 | 2,544.6 | 536.0 | 2.00 | -2.00 | 0.00 |
| 7,000.0 | 8.58 | 93.72 | 6,214.4 | -166.6 | 2,561.2 | 539.5 | 2.00 | -2.00 | 0.00 |
| 7,100.0 | 6.58 | 93.72 | 6,313.5 | -167.5 | 2,574.3 | 542.3 | 2.00 | -2.00 | 0.00 |
| 7,200.0 | 4.58 | 93.72 | 6,413.0 | -168.1 | 2,584.1 | 544.4 | 2.00 | -2.00 | 0.00 |
| 7,257.1 | 3.44 | 93.72 | 6,470.0 | -168.4 | 2,588.0 | 545.2 | 2.00 | -2.00 | 0.00 |
| Lower Pierre 2 | | | | | | | | | |
| 7,300.0 | 2.58 | 93.72 | 6,512.8 | -168.5 | 2,590.3 | 545.7 | 2.00 | -2.00 | 0.00 |
| 7,400.0 | 0.58 | 93.72 | 6,612.8 | -168.7 | 2,593.1 | 546.3 | 2.00 | -2.00 | 0.00 |
| 7,429.2 | 0.00 | 93.72 | 6,642.0 | -168.7 | 2,593.2 | 546.3 | 2.00 | -2.00 | 0.00 |
| KOP - Start 10°/100' Build | | | | | | | | | |
| 7,500.0 | 7.08 | 1.04 | 6,712.6 | -164.3 | 2,593.3 | 550.5 | 10.00 | 10.00 | -130.91 |
| 7,560.3 | 13.11 | 1.04 | 6,772.0 | -153.8 | 2,593.5 | 560.7 | 10.00 | 10.00 | 0.00 |
| Lower Pierre 3 | | | | | | | | | |
| 7,600.0 | 17.08 | 1.04 | 6,810.3 | -143.4 | 2,593.7 | 570.7 | 10.00 | 10.00 | 0.00 |
| 7,662.6 | 23.34 | 1.04 | 6,869.0 | -121.8 | 2,594.1 | 591.6 | 10.00 | 10.00 | 0.00 |
| Sharon Springs | | | | | | | | | |
| 7,700.0 | 27.08 | 1.04 | 6,902.8 | -105.9 | 2,594.3 | 607.0 | 10.00 | 10.00 | 0.00 |
| 7,704.7 | 27.55 | 1.04 | 6,907.0 | -103.7 | 2,594.4 | 609.1 | 10.00 | 10.00 | 0.00 |

Planning Report

| | | | |
|------------------|--------------------------------------|-------------------------------------|------------------------------|
| Database: | EDM Server Database | Local Co-ordinate Reference: | Well Hudson's Bay 8-67-36-25 |
| Company: | Enerplus Resources (USA) Corporation | TVD Reference: | KB @ 5204.0usft |
| Project: | Weld County, CO | MD Reference: | KB @ 5204.0usft |
| Site: | SEC 36 T8N-R67W | North Reference: | True |
| Well: | Hudson's Bay 8-67-36-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan 5 | | |

| Planned Survey | | | | | | | | | |
|-------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| Nio A Chalk | | | | | | | | | |
| 7,726.3 | 29.71 | 1.04 | 6,926.0 | -93.4 | 2,594.6 | 619.1 | 10.00 | 10.00 | 0.00 |
| Nio A Marl | | | | | | | | | |
| 7,763.9 | 33.47 | 1.04 | 6,958.0 | -73.7 | 2,594.9 | 638.2 | 10.00 | 10.00 | 0.00 |
| Nio B upper | | | | | | | | | |
| 7,800.0 | 37.08 | 1.04 | 6,987.4 | -52.9 | 2,595.3 | 658.3 | 10.00 | 10.00 | 0.00 |
| 7,824.9 | 39.57 | 1.04 | 7,007.0 | -37.4 | 2,595.6 | 673.2 | 10.00 | 10.00 | 0.00 |
| Nio B chalk | | | | | | | | | |
| 7,900.0 | 47.08 | 1.04 | 7,061.6 | 14.1 | 2,596.5 | 723.0 | 10.00 | 10.00 | 0.00 |
| 7,902.1 | 47.29 | 1.04 | 7,063.0 | 15.6 | 2,596.5 | 724.5 | 10.00 | 10.00 | 0.00 |
| Nio B marl | | | | | | | | | |
| 7,943.6 | 51.44 | 1.04 | 7,090.0 | 47.0 | 2,597.1 | 754.9 | 10.00 | 10.00 | 0.00 |
| Nio C Chalk | | | | | | | | | |
| 8,000.0 | 57.08 | 1.04 | 7,123.0 | 92.8 | 2,597.9 | 799.2 | 10.00 | 10.00 | 0.00 |
| 8,017.0 | 58.78 | 1.04 | 7,132.0 | 107.3 | 2,598.2 | 813.1 | 10.00 | 10.00 | 0.00 |
| Nio C Marl | | | | | | | | | |
| 8,073.9 | 64.47 | 1.04 | 7,159.0 | 157.2 | 2,599.1 | 861.4 | 10.00 | 10.00 | 0.00 |
| Nio D chalk | | | | | | | | | |
| 8,100.0 | 67.08 | 1.04 | 7,169.7 | 181.1 | 2,599.5 | 884.5 | 10.00 | 10.00 | 0.00 |
| 8,162.9 | 73.37 | 1.04 | 7,191.0 | 240.2 | 2,600.6 | 941.7 | 10.00 | 10.00 | 0.00 |
| Fort Hays | | | | | | | | | |
| 8,200.0 | 77.08 | 1.04 | 7,200.5 | 276.1 | 2,601.3 | 976.3 | 10.00 | 10.00 | 0.00 |
| 8,261.8 | 83.26 | 1.04 | 7,211.0 | 336.9 | 2,602.4 | 1,035.2 | 10.00 | 10.00 | 0.00 |
| Codell | | | | | | | | | |
| 8,300.0 | 87.08 | 1.04 | 7,214.2 | 375.0 | 2,603.1 | 1,072.0 | 10.00 | 10.00 | 0.00 |
| 8,329.2 | 90.00 | 1.04 | 7,215.0 | 404.2 | 2,603.6 | 1,100.2 | 10.00 | 10.00 | 0.00 |
| LP - 650' FSL & 800' FEL | | | | | | | | | |
| 8,329.8 | 90.00 | 1.03 | 7,215.0 | 404.8 | 2,603.6 | 1,100.8 | 1.99 | 0.03 | -1.99 |
| 8,400.0 | 90.00 | 1.03 | 7,215.0 | 474.9 | 2,604.9 | 1,168.6 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 90.00 | 1.03 | 7,215.0 | 574.9 | 2,606.7 | 1,265.3 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.00 | 1.03 | 7,215.0 | 674.9 | 2,608.5 | 1,362.0 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.00 | 1.03 | 7,215.0 | 774.9 | 2,610.2 | 1,458.6 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.00 | 1.03 | 7,215.0 | 874.9 | 2,612.0 | 1,555.3 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.00 | 1.03 | 7,215.0 | 974.9 | 2,613.8 | 1,652.0 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.00 | 1.03 | 7,215.0 | 1,074.9 | 2,615.6 | 1,748.7 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.00 | 1.03 | 7,215.0 | 1,174.8 | 2,617.4 | 1,845.3 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.00 | 1.03 | 7,215.0 | 1,274.8 | 2,619.2 | 1,942.0 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.00 | 1.03 | 7,215.0 | 1,374.8 | 2,621.0 | 2,038.7 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.00 | 1.03 | 7,215.0 | 1,474.8 | 2,622.8 | 2,135.3 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.00 | 1.03 | 7,215.0 | 1,574.8 | 2,624.6 | 2,232.0 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.00 | 1.03 | 7,215.0 | 1,674.8 | 2,626.4 | 2,328.7 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.00 | 1.03 | 7,215.0 | 1,774.7 | 2,628.2 | 2,425.3 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.00 | 1.03 | 7,215.0 | 1,874.7 | 2,630.0 | 2,522.0 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.00 | 1.03 | 7,215.0 | 1,974.7 | 2,631.8 | 2,618.7 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.00 | 1.03 | 7,215.0 | 2,074.7 | 2,633.6 | 2,715.3 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.00 | 1.03 | 7,215.0 | 2,174.7 | 2,635.3 | 2,812.0 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.00 | 1.03 | 7,215.0 | 2,274.7 | 2,637.1 | 2,908.7 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.00 | 1.03 | 7,215.0 | 2,374.6 | 2,638.9 | 3,005.3 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.00 | 1.03 | 7,215.0 | 2,474.6 | 2,640.7 | 3,102.0 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.00 | 1.03 | 7,215.0 | 2,574.6 | 2,642.5 | 3,198.7 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.00 | 1.03 | 7,215.0 | 2,674.6 | 2,644.3 | 3,295.4 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.00 | 1.03 | 7,215.0 | 2,774.6 | 2,646.1 | 3,392.0 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.00 | 1.03 | 7,215.0 | 2,874.6 | 2,647.9 | 3,488.7 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|--------------------------------------|-------------------------------------|------------------------------|
| Database: | EDM Server Database | Local Co-ordinate Reference: | Well Hudson's Bay 8-67-36-25 |
| Company: | Enerplus Resources (USA) Corporation | TVD Reference: | KB @ 5204.0usft |
| Project: | Weld County, CO | MD Reference: | KB @ 5204.0usft |
| Site: | SEC 36 T8N-R67W | North Reference: | True |
| Well: | Hudson's Bay 8-67-36-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | H2 | | |
| Design: | Plan 5 | | |

| Planned Survey | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 10,900.0 | 90.00 | 1.03 | 7,215.0 | 2,974.5 | 2,649.7 | 3,585.4 | 0.00 | 0.00 | 0.00 | |
| 11,000.0 | 90.00 | 1.03 | 7,215.0 | 3,074.5 | 2,651.5 | 3,682.0 | 0.00 | 0.00 | 0.00 | |
| 11,100.0 | 90.00 | 1.03 | 7,215.0 | 3,174.5 | 2,653.3 | 3,778.7 | 0.00 | 0.00 | 0.00 | |
| 11,200.0 | 90.00 | 1.03 | 7,215.0 | 3,274.5 | 2,655.1 | 3,875.4 | 0.00 | 0.00 | 0.00 | |
| 11,300.0 | 90.00 | 1.03 | 7,215.0 | 3,374.5 | 2,656.9 | 3,972.0 | 0.00 | 0.00 | 0.00 | |
| 11,400.0 | 90.00 | 1.03 | 7,215.0 | 3,474.5 | 2,658.7 | 4,068.7 | 0.00 | 0.00 | 0.00 | |
| 11,500.0 | 90.00 | 1.03 | 7,215.0 | 3,574.4 | 2,660.4 | 4,165.4 | 0.00 | 0.00 | 0.00 | |
| 11,600.0 | 90.00 | 1.03 | 7,215.0 | 3,674.4 | 2,662.2 | 4,262.0 | 0.00 | 0.00 | 0.00 | |
| 11,700.0 | 90.00 | 1.03 | 7,215.0 | 3,774.4 | 2,664.0 | 4,358.7 | 0.00 | 0.00 | 0.00 | |
| 11,800.0 | 90.00 | 1.03 | 7,215.0 | 3,874.4 | 2,665.8 | 4,455.4 | 0.00 | 0.00 | 0.00 | |
| 11,900.0 | 90.00 | 1.03 | 7,215.0 | 3,974.4 | 2,667.6 | 4,552.0 | 0.00 | 0.00 | 0.00 | |
| 12,000.0 | 90.00 | 1.03 | 7,215.0 | 4,074.4 | 2,669.4 | 4,648.7 | 0.00 | 0.00 | 0.00 | |
| 12,100.0 | 90.00 | 1.03 | 7,215.0 | 4,174.4 | 2,671.2 | 4,745.4 | 0.00 | 0.00 | 0.00 | |
| 12,200.0 | 90.00 | 1.03 | 7,215.0 | 4,274.3 | 2,673.0 | 4,842.1 | 0.00 | 0.00 | 0.00 | |
| 12,300.0 | 90.00 | 1.03 | 7,215.0 | 4,374.3 | 2,674.8 | 4,938.7 | 0.00 | 0.00 | 0.00 | |
| 12,400.0 | 90.00 | 1.03 | 7,215.0 | 4,474.3 | 2,676.6 | 5,035.4 | 0.00 | 0.00 | 0.00 | |
| 12,500.0 | 90.00 | 1.03 | 7,215.0 | 4,574.3 | 2,678.4 | 5,132.1 | 0.00 | 0.00 | 0.00 | |
| 12,600.0 | 90.00 | 1.03 | 7,215.0 | 4,674.3 | 2,680.2 | 5,228.7 | 0.00 | 0.00 | 0.00 | |
| 12,700.0 | 90.00 | 1.03 | 7,215.0 | 4,774.3 | 2,682.0 | 5,325.4 | 0.00 | 0.00 | 0.00 | |
| 12,800.0 | 90.00 | 1.03 | 7,215.0 | 4,874.2 | 2,683.8 | 5,422.1 | 0.00 | 0.00 | 0.00 | |
| 12,900.0 | 90.00 | 1.03 | 7,215.0 | 4,974.2 | 2,685.5 | 5,518.7 | 0.00 | 0.00 | 0.00 | |
| 13,000.0 | 90.00 | 1.03 | 7,215.0 | 5,074.2 | 2,687.3 | 5,615.4 | 0.00 | 0.00 | 0.00 | |
| 13,100.0 | 90.00 | 1.03 | 7,215.0 | 5,174.2 | 2,689.1 | 5,712.1 | 0.00 | 0.00 | 0.00 | |
| 13,200.0 | 90.00 | 1.03 | 7,215.0 | 5,274.2 | 2,690.9 | 5,808.7 | 0.00 | 0.00 | 0.00 | |
| 13,300.0 | 90.00 | 1.03 | 7,215.0 | 5,374.2 | 2,692.7 | 5,905.4 | 0.00 | 0.00 | 0.00 | |
| 13,400.0 | 90.00 | 1.03 | 7,215.0 | 5,474.1 | 2,694.5 | 6,002.1 | 0.00 | 0.00 | 0.00 | |
| 13,500.0 | 90.00 | 1.03 | 7,215.0 | 5,574.1 | 2,696.3 | 6,098.8 | 0.00 | 0.00 | 0.00 | |
| 13,600.0 | 90.00 | 1.03 | 7,215.0 | 5,674.1 | 2,698.1 | 6,195.4 | 0.00 | 0.00 | 0.00 | |
| 13,700.0 | 90.00 | 1.03 | 7,215.0 | 5,774.1 | 2,699.9 | 6,292.1 | 0.00 | 0.00 | 0.00 | |
| 13,800.0 | 90.00 | 1.03 | 7,215.0 | 5,874.1 | 2,701.7 | 6,388.8 | 0.00 | 0.00 | 0.00 | |
| 13,900.0 | 90.00 | 1.03 | 7,215.0 | 5,974.1 | 2,703.5 | 6,485.4 | 0.00 | 0.00 | 0.00 | |
| 14,000.0 | 90.00 | 1.03 | 7,215.0 | 6,074.0 | 2,705.3 | 6,582.1 | 0.00 | 0.00 | 0.00 | |
| 14,100.0 | 90.00 | 1.03 | 7,215.0 | 6,174.0 | 2,707.1 | 6,678.8 | 0.00 | 0.00 | 0.00 | |
| 14,200.0 | 90.00 | 1.03 | 7,215.0 | 6,274.0 | 2,708.9 | 6,775.4 | 0.00 | 0.00 | 0.00 | |
| 14,300.0 | 90.00 | 1.03 | 7,215.0 | 6,374.0 | 2,710.6 | 6,872.1 | 0.00 | 0.00 | 0.00 | |
| 14,400.0 | 90.00 | 1.03 | 7,215.0 | 6,474.0 | 2,712.4 | 6,968.8 | 0.00 | 0.00 | 0.00 | |
| 14,500.0 | 90.00 | 1.03 | 7,215.0 | 6,574.0 | 2,714.2 | 7,065.4 | 0.00 | 0.00 | 0.00 | |
| 14,600.0 | 90.00 | 1.03 | 7,215.0 | 6,674.0 | 2,716.0 | 7,162.1 | 0.00 | 0.00 | 0.00 | |
| 14,700.0 | 90.00 | 1.03 | 7,215.0 | 6,773.9 | 2,717.8 | 7,258.8 | 0.00 | 0.00 | 0.00 | |
| 14,800.0 | 90.00 | 1.03 | 7,215.0 | 6,873.9 | 2,719.6 | 7,355.4 | 0.00 | 0.00 | 0.00 | |
| 14,900.0 | 90.00 | 1.03 | 7,215.0 | 6,973.9 | 2,721.4 | 7,452.1 | 0.00 | 0.00 | 0.00 | |
| 15,000.0 | 90.00 | 1.03 | 7,215.0 | 7,073.9 | 2,723.2 | 7,548.8 | 0.00 | 0.00 | 0.00 | |
| 15,100.0 | 90.00 | 1.03 | 7,215.0 | 7,173.9 | 2,725.0 | 7,645.5 | 0.00 | 0.00 | 0.00 | |
| 15,200.0 | 90.00 | 1.03 | 7,215.0 | 7,273.9 | 2,726.8 | 7,742.1 | 0.00 | 0.00 | 0.00 | |
| 15,300.0 | 90.00 | 1.03 | 7,215.0 | 7,373.8 | 2,728.6 | 7,838.8 | 0.00 | 0.00 | 0.00 | |
| 15,400.0 | 90.00 | 1.03 | 7,215.0 | 7,473.8 | 2,730.4 | 7,935.5 | 0.00 | 0.00 | 0.00 | |
| 15,500.0 | 90.00 | 1.03 | 7,215.0 | 7,573.8 | 2,732.2 | 8,032.1 | 0.00 | 0.00 | 0.00 | |
| 15,600.0 | 90.00 | 1.03 | 7,215.0 | 7,673.8 | 2,734.0 | 8,128.8 | 0.00 | 0.00 | 0.00 | |
| 15,700.0 | 90.00 | 1.03 | 7,215.0 | 7,773.8 | 2,735.8 | 8,225.5 | 0.00 | 0.00 | 0.00 | |
| 15,800.0 | 90.00 | 1.03 | 7,215.0 | 7,873.8 | 2,737.5 | 8,322.1 | 0.00 | 0.00 | 0.00 | |
| 15,900.0 | 90.00 | 1.03 | 7,215.0 | 7,973.7 | 2,739.3 | 8,418.8 | 0.00 | 0.00 | 0.00 | |
| 16,000.0 | 90.00 | 1.03 | 7,215.0 | 8,073.7 | 2,741.1 | 8,515.5 | 0.00 | 0.00 | 0.00 | |
| 16,100.0 | 90.00 | 1.03 | 7,215.0 | 8,173.7 | 2,742.9 | 8,612.1 | 0.00 | 0.00 | 0.00 | |
| 16,200.0 | 90.00 | 1.03 | 7,215.0 | 8,273.7 | 2,744.7 | 8,708.8 | 0.00 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|--------------------------------------|-------------------------------------|------------------------------|
| Database: | EDM Server Database | Local Co-ordinate Reference: | Well Hudson's Bay 8-67-36-25 |
| Company: | Enerplus Resources (USA) Corporation | TVD Reference: | KB @ 5204.0usft |
| Project: | Weld County, CO | MD Reference: | KB @ 5204.0usft |
| Site: | SEC 36 T8N-R67W | North Reference: | True |
| Well: | Hudson's Bay 8-67-36-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan 5 | | |

| Planned Survey | | | | | | | | | | |
|--------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 16,300.0 | 90.00 | 1.03 | 7,215.0 | 8,373.7 | 2,746.5 | 8,805.5 | 0.00 | 0.00 | 0.00 | |
| 16,400.0 | 90.00 | 1.03 | 7,215.0 | 8,473.7 | 2,748.3 | 8,902.2 | 0.00 | 0.00 | 0.00 | |
| 16,500.0 | 90.00 | 1.03 | 7,215.0 | 8,573.6 | 2,750.1 | 8,998.8 | 0.00 | 0.00 | 0.00 | |
| 16,600.0 | 90.00 | 1.03 | 7,215.0 | 8,673.6 | 2,751.9 | 9,095.5 | 0.00 | 0.00 | 0.00 | |
| 16,700.0 | 90.00 | 1.03 | 7,215.0 | 8,773.6 | 2,753.7 | 9,192.2 | 0.00 | 0.00 | 0.00 | |
| 16,800.0 | 90.00 | 1.03 | 7,215.0 | 8,873.6 | 2,755.5 | 9,288.8 | 0.00 | 0.00 | 0.00 | |
| 16,900.0 | 90.00 | 1.03 | 7,215.0 | 8,973.6 | 2,757.3 | 9,385.5 | 0.00 | 0.00 | 0.00 | |
| 17,000.0 | 90.00 | 1.03 | 7,215.0 | 9,073.6 | 2,759.1 | 9,482.2 | 0.00 | 0.00 | 0.00 | |
| 17,100.0 | 90.00 | 1.03 | 7,215.0 | 9,173.5 | 2,760.9 | 9,578.8 | 0.00 | 0.00 | 0.00 | |
| 17,200.0 | 90.00 | 1.03 | 7,215.0 | 9,273.5 | 2,762.6 | 9,675.5 | 0.00 | 0.00 | 0.00 | |
| 17,300.0 | 90.00 | 1.03 | 7,215.0 | 9,373.5 | 2,764.4 | 9,772.2 | 0.00 | 0.00 | 0.00 | |
| 17,400.0 | 90.00 | 1.03 | 7,215.0 | 9,473.5 | 2,766.2 | 9,868.8 | 0.00 | 0.00 | 0.00 | |
| 17,500.0 | 90.00 | 1.03 | 7,215.0 | 9,573.5 | 2,768.0 | 9,965.5 | 0.00 | 0.00 | 0.00 | |
| 17,600.0 | 90.00 | 1.03 | 7,215.0 | 9,673.5 | 2,769.8 | 10,062.2 | 0.00 | 0.00 | 0.00 | |
| 17,682.8 | 90.00 | 1.03 | 7,215.0 | 9,756.3 | 2,771.3 | 10,142.2 | 0.00 | 0.00 | 0.00 | |
| 5-1/2" Production - PBHL | | | | | | | | | | |

| Design Targets | | | | | | | | | |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|------------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| Hudson's Bay 8-67-36-2 | 0.00 | 0.00 | 7,215.0 | 404.2 | 2,603.6 | 1,466,628.59 | 3,184,746.97 | 40° 36' 44.604 N | 104° 50' 4.450 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson's Bay 8-67-36-2 | 0.00 | 0.00 | 7,215.0 | 9,756.3 | 2,771.3 | 1,475,981.63 | 3,184,845.48 | 40° 38' 17.016 N | 104° 50' 2.261 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,500.0 | 1,500.0 | Surface | 9-5/8 | 13-1/2 | |
| 17,682.8 | 7,215.0 | Production | 5-1/2 | 8-1/2 | |

Planning Report

| | | | |
|------------------|--------------------------------------|-------------------------------------|------------------------------|
| Database: | EDM Server Database | Local Co-ordinate Reference: | Well Hudson's Bay 8-67-36-25 |
| Company: | Enerplus Resources (USA) Corporation | TVD Reference: | KB @ 5204.0usft |
| Project: | Weld County, CO | MD Reference: | KB @ 5204.0usft |
| Site: | SEC 36 T8N-R67W | North Reference: | True |
| Well: | Hudson's Bay 8-67-36-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan 5 | | |

| Formations | | | | | | |
|-----------------------|-----------------------|-------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 1,326.0 | 1,326.0 | Pierre | | | | |
| 3,743.4 | 3,528.0 | Richards | | | | |
| 4,510.6 | 4,107.0 | Terry | | | | |
| 5,268.5 | 4,679.0 | Hygeine | | | | |
| 6,130.1 | 5,387.0 | Lower Pierre zero | | | | |
| 6,611.1 | 5,835.0 | Lower Pierre 1 | | | | |
| 7,257.1 | 6,470.0 | Lower Pierre 2 | | | | |
| 7,560.3 | 6,772.0 | Lower Pierre 3 | | | | |
| 7,662.6 | 6,869.0 | Sharon Springs | | | | |
| 7,704.7 | 6,907.0 | Nio A Chalk | | | | |
| 7,726.3 | 6,926.0 | Nio A Marl | | | | |
| 7,763.9 | 6,958.0 | Nio B upper | | | | |
| 7,824.9 | 7,007.0 | Nio B chalk | | | | |
| 7,902.1 | 7,063.0 | Nio B marl | | | | |
| 7,943.6 | 7,090.0 | Nio C Chalk | | | | |
| 8,017.0 | 7,132.0 | Nio C Marl | | | | |
| 8,073.9 | 7,159.0 | Nio D chalk | | | | |
| 8,162.9 | 7,191.0 | Fort Hays | | | | |
| 8,261.8 | 7,211.0 | Codell | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 1,500.0 | 1,500.0 | 0.0 | 0.0 | 9-5/8" | |
| 1,510.4 | 1,510.4 | 0.0 | 0.0 | Begin 1.5° Nudge | |
| 3,560.4 | 3,389.9 | -45.6 | 701.3 | Begin 41° Tangent | |
| 5,379.2 | 4,762.5 | -123.1 | 1,892.0 | Begin 1.5° Nudge to Vertical | |
| 7,429.2 | 6,642.0 | -168.7 | 2,593.2 | KOP - Start 10°/100' Build | |
| 8,329.2 | 7,215.0 | 404.2 | 2,603.6 | LP - 650' FSL & 800' FEL | |
| 17,682.8 | 7,215.0 | 9,756.3 | 2,771.3 | 5-1/2" Production - PBHL | |