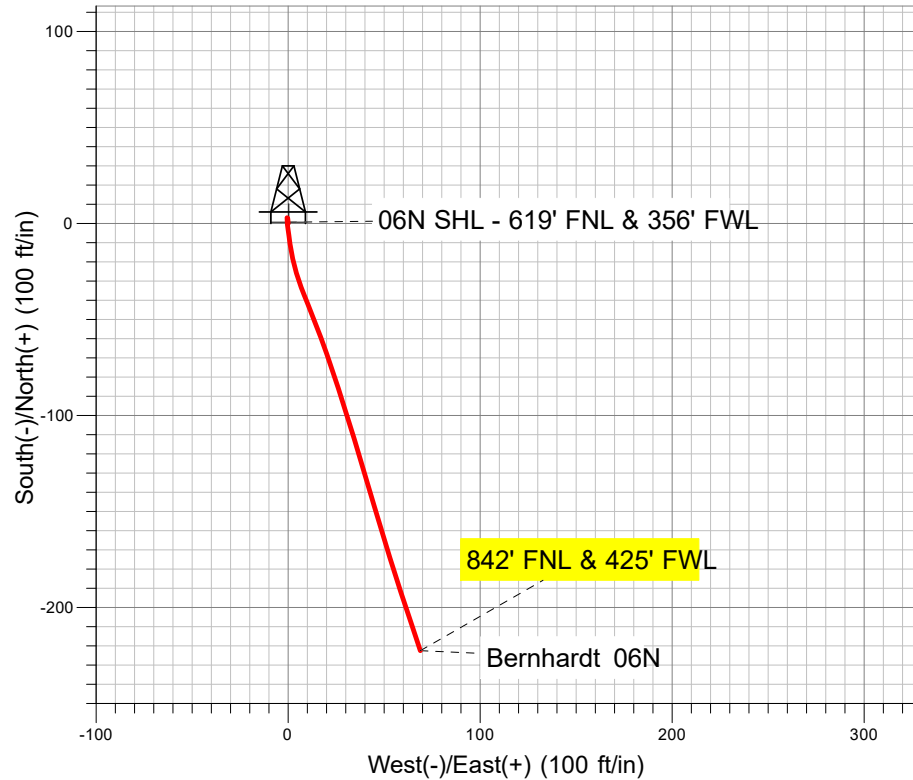
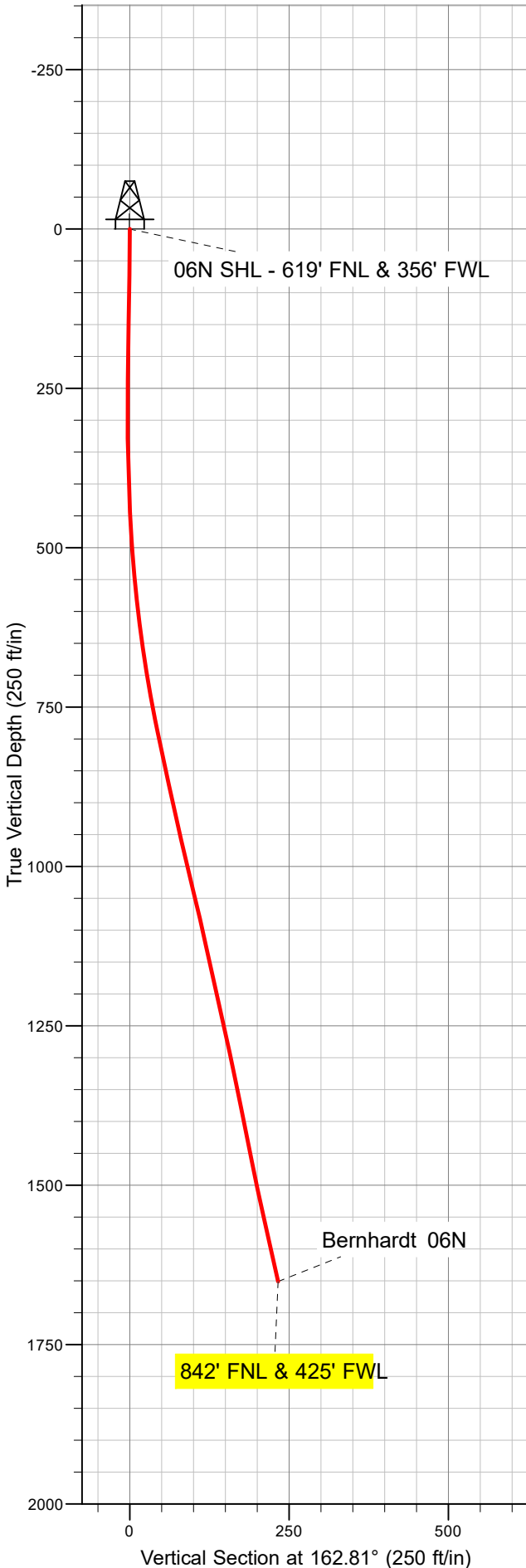




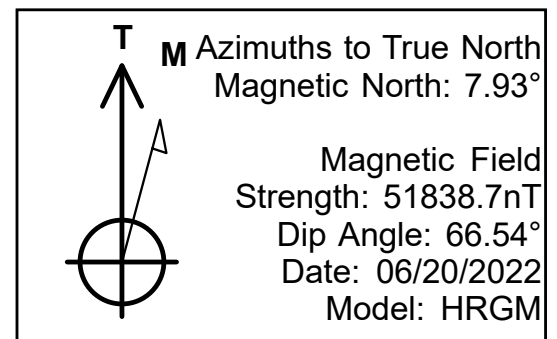
Well Name: Bernhardt 06N
Surface Location: Bernhardt 4-18
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4736.0
+N/-S +E/-W Northing Easting Latitude Longitude
0.0 0.0 1359217.45 3187264.39 40.317506 -104.828432
Ensign 122 - RKB - 13' (As Built) WELL @ 4749.0ft (Ensign 122 - RKB - 13' (As Built))

PDC Energy Inc. DJ Basin

Final Survey Plot



Project: SEC.18-T4N-R66W
Site: Bernhardt 4-18
Well: Bernhardt 06N
Plan: Bernhardt 06N





PDC Energy Inc. DJ Basin

SEC.18-T4N-R66W

Bernhardt 4-18

Bernhardt 06N

Bernhardt 06N

Design: Bernhardt 06N

Standard Survey Report

05 July, 2022

| | | | |
|------------------|--------------------------|-------------------------------------|---|
| Company: | PDC Energy Inc. DJ Basin | Local Co-ordinate Reference: | Well Bernhardt 06N |
| Project: | SEC.18-T4N-R66W | TVD Reference: | WELL @ 4749.0ft (Ensign 122 - RKB - 13' (As Built)) |
| Site: | Bernhardt 4-18 | MD Reference: | WELL @ 4749.0ft (Ensign 122 - RKB - 13' (As Built)) |
| Well: | Bernhardt 06N | North Reference: | True |
| Wellbore: | Bernhardt 06N | Survey Calculation Method: | Minimum Curvature |
| Design: | Bernhardt 06N | Database: | US_EDM |

| | | | |
|--------------------|---------------------------|-----------------------------|----------------|
| Project | SEC.18-T4N-R66W | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | Using geodetic scale factor | |

| | | | | | |
|-----------------------|----------|----------------|-------------------|-------------------|-------------|
| Site | | Bernhardt 4-18 | | | |
| Site Position: | | Northing: | 1,359,288.20 usft | Latitude: | 40.317700 |
| From: | Lat/Long | Easting: | 3,187,272.84 usft | Longitude: | -104.828400 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.43 ° |

| | | | | | | |
|----------------------|---------------|---------------------|-----------|------------------|------------|-------------|
| Well | Bernhardt 06N | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,359,217.45 usf | Latitude: | 40.317506 |
| | +E/-W | 0.0 ft | Easting: | 3,187,264.39 usf | Longitude: | -104.828432 |
| Position Uncertainty | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,736.0 ft | |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Bernhardt 06N | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HRGM | 06/20/2022 | 7.93 | 66.54 | 51,838.71609001 |

| | | | | | |
|-------------------|--------------------------|---------------|---------------|------------------|-----|
| Design | Bernhardt 06N | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.0 | 0.0 | 0.0 | 162.81 | |

| | | | | | |
|-----------------------|----------------|---------------------------|------------------|--------------------|--|
| Survey Program | Date | 07/05/2022 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 146.0 | 1,675.0 | Survey #1 (Bernhardt 06N) | MWD | MWD - Standard | |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| Survey | | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | |
| 146.0 | 1.23 | 358.61 | 146.0 | 1.6 | 0.0 | -1.5 | 0.84 | 0.84 | 0.00 | |
| 238.0 | 0.53 | 336.82 | 238.0 | 2.9 | -0.2 | -2.9 | 0.83 | -0.76 | -23.68 | |
| 329.0 | 0.44 | 204.98 | 329.0 | 3.0 | -0.5 | -3.0 | 0.97 | -0.10 | -144.88 | |
| 444.0 | 3.08 | 172.11 | 443.9 | -0.4 | -0.3 | 0.3 | 2.37 | 2.30 | -28.58 | |
| 531.0 | 4.75 | 173.34 | 530.7 | -6.3 | 0.4 | 6.2 | 1.92 | 1.92 | 1.41 | |
| 619.0 | 7.30 | 169.82 | 618.2 | -15.5 | 1.8 | 15.3 | 2.93 | 2.90 | -4.00 | |
| 706.0 | 9.41 | 162.27 | 704.3 | -27.7 | 5.0 | 27.9 | 2.73 | 2.43 | -8.68 | |
| 791.0 | 11.78 | 157.34 | 787.8 | -42.3 | 10.4 | 43.5 | 2.98 | 2.79 | -5.80 | |

| | | | |
|------------------|--------------------------|-------------------------------------|---|
| Company: | PDC Energy Inc. DJ Basin | Local Co-ordinate Reference: | Well Bernhardt 06N |
| Project: | SEC.18-T4N-R66W | TVD Reference: | WELL @ 4749.0ft (Ensign 122 - RKB - 13' (As Built)) |
| Site: | Bernhardt 4-18 | MD Reference: | WELL @ 4749.0ft (Ensign 122 - RKB - 13' (As Built)) |
| Well: | Bernhardt 06N | North Reference: | True |
| Wellbore: | Bernhardt 06N | Survey Calculation Method: | Minimum Curvature |
| Design: | Bernhardt 06N | Database: | US_EDM |

| Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 878.0 | 12.40 | 160.33 | 872.9 | -59.3 | 17.0 | 61.7 | 1.01 | 0.71 | 3.44 | |
| 965.0 | 12.84 | 161.04 | 957.8 | -77.2 | 23.3 | 80.7 | 0.54 | 0.51 | 0.82 | |
| 1,050.0 | 13.72 | 162.79 | 1,040.5 | -95.8 | 29.3 | 100.2 | 1.14 | 1.04 | 2.06 | |
| 1,135.0 | 12.49 | 162.79 | 1,123.3 | -114.2 | 35.1 | 119.5 | 1.45 | -1.45 | 0.00 | |
| 1,221.0 | 12.49 | 163.50 | 1,207.3 | -132.0 | 40.4 | 138.1 | 0.18 | 0.00 | 0.83 | |
| 1,308.0 | 12.40 | 163.32 | 1,292.2 | -150.0 | 45.8 | 156.8 | 0.11 | -0.10 | -0.21 | |
| 1,395.0 | 11.08 | 164.20 | 1,377.4 | -167.0 | 50.8 | 174.5 | 1.53 | -1.52 | 1.01 | |
| 1,482.0 | 11.52 | 161.39 | 1,462.7 | -183.2 | 55.8 | 191.6 | 0.81 | 0.51 | -3.23 | |
| 1,569.0 | 12.66 | 161.39 | 1,547.8 | -200.5 | 61.6 | 209.8 | 1.31 | 1.31 | 0.00 | |
| 1,615.0 | 12.57 | 161.91 | 1,592.7 | -210.1 | 64.8 | 219.8 | 0.32 | -0.20 | 1.13 | |
| 1,675.0 | 12.57 | 161.91 | 1,651.2 | -222.5 | 68.8 | 232.9 | 0.00 | 0.00 | 0.00 | |
| 842' FNL & 425' FWL | | | | | | | | | | |

| Design Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|---------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 1,675.0 | 1,651.2 | -222.5 | 68.8 | 842' FNL & 425' FWL | |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|