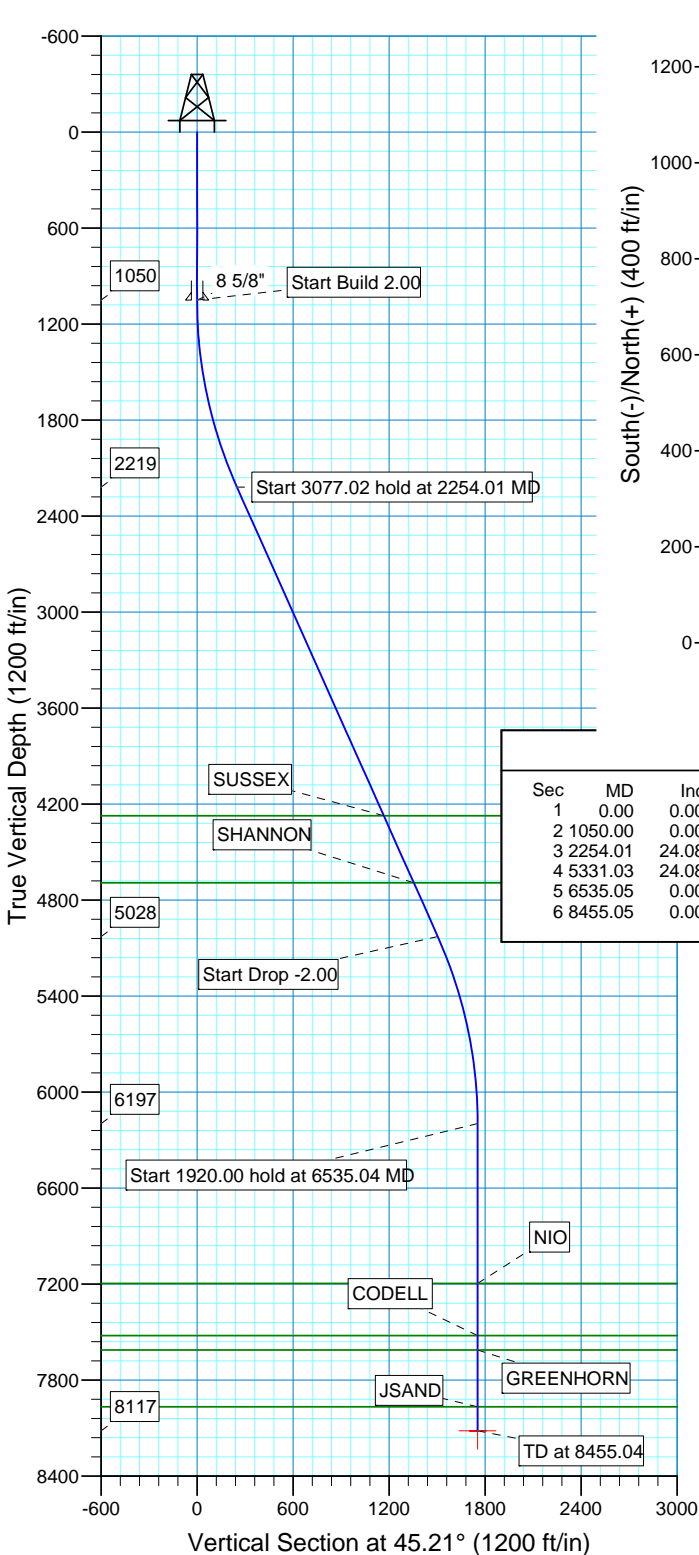


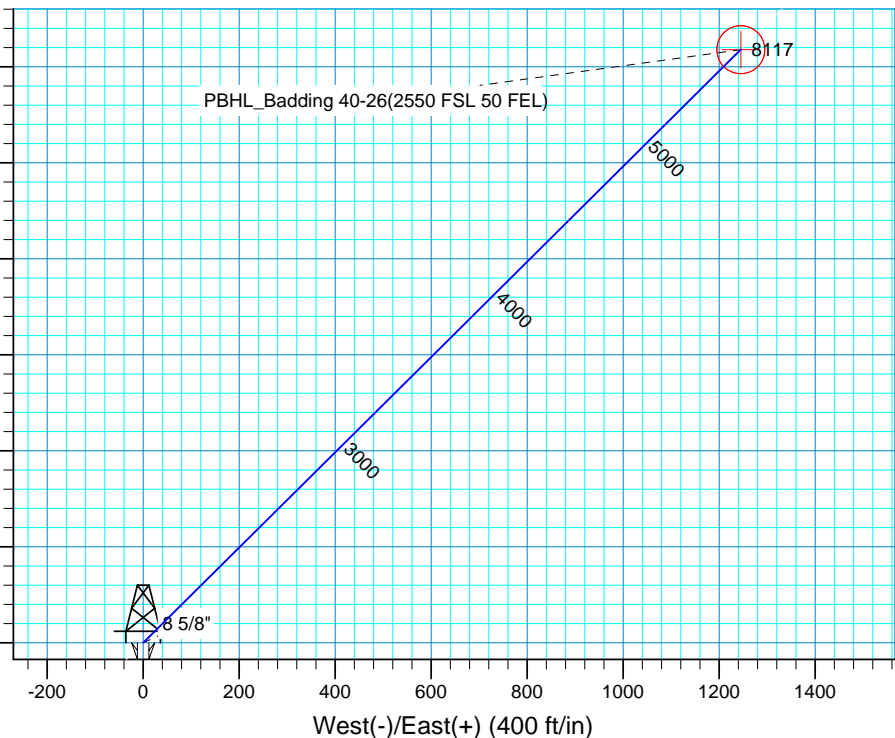
| WELL DETAILS: P_Badding 40-26 | | | | | |
|---|-------|------------|------------|-----------------|-------------------|
| WELL @ 5082.00ft (Original Well Elev) 5067.00 | | | | | |
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| 0.00 | 0.00 | 1282247.62 | 3212716.00 | 40° 6' 20.369 N | 104° 44' 22.304 W |

T M Azimuths to True North
 Magnetic North: 8.96°
 Magnetic Field
 Strength: 53080.6snT
 Dip Angle: 66.85°
 Date: 06/22/2010
 Model: IGRF2010

| WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG) | | | | | | | | |
|---|---------|---------|---------|------------|------------|-----------------|------------------|------------------------|
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
| PBHL | 8117.00 | 1235.67 | 1244.97 | 1283493.92 | 3213950.32 | 40° 6' 32.580 N | 104° 44' 6.281 W | Circle (Radius: 50.00) |



| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|---------|-------|-------|---------|---------|---------|------|--------|---------|-------------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 1050.00 | 0.00 | 0.00 | 1050.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 2254.01 | 24.08 | 45.21 | 2218.88 | 175.63 | 176.95 | 2.00 | 45.21 | 249.31 | |
| 4 | 5331.03 | 24.08 | 45.21 | 5028.12 | 1060.04 | 1068.02 | 0.00 | 0.00 | 1504.78 | |
| 5 | 6535.05 | 0.00 | 0.00 | 6197.00 | 1235.67 | 1244.97 | 2.00 | 180.00 | 1754.09 | |
| 6 | 8455.05 | 0.00 | 0.00 | 8117.00 | 1235.67 | 1244.97 | 0.00 | 0.00 | 1754.09 | PBHL_Badding 40-26(2550 FSL 50 FEL) |



| FORMATION TOP DETAILS | | |
|-----------------------|---------|-----------|
| TVDPath | MDPath | Formation |
| 4274.00 | 4505.03 | SUSSEX |
| 4692.00 | 4962.87 | SHANNON |
| 7197.00 | 7535.05 | NIO |
| 7522.00 | 7860.05 | CODELL |
| 7612.00 | 7950.05 | GREENHORN |
| 7967.00 | 8305.05 | JSAND |

| PROJECT DETAILS: COLORADO NORTHERN ZONE - 83 | |
|--|---------------------------|
| Geodetic System: | US State Plane 1983 |
| Datum: | North American Datum 1983 |
| Ellipsoid: | GRS 1980 |
| Zone: | Colorado Northern Zone |
| Location: | SECTION 26 T2N R66W |
| System Datum: | Mean Sea Level |
| Local North: | True |



Scientific Drilling
Rocky Mountain Operations

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_BADDING 20-26 PAD

P_Badding 40-26

P_Badding 40-26

Plan: PLAN #1 7-22-10 RHS

Standard Planning Report

22 July, 2010



| | | | |
|------------------|-----------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 2003.16 Single User Db | Local Co-ordinate Reference: | Well P_Badding 40-26 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 5082.00ft (Original Well Elev) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | WELL @ 5082.00ft (Original Well Elev) |
| Site: | WELD_BADDING 20-26 PAD | North Reference: | True |
| Well: | P_Badding 40-26 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_Badding 40-26 | | |
| Design: | PLAN #1 7-22-10 RHS | | |

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

| | | | | | |
|------------------------------|---|---------------------|-----------------|--------------------------|-------------------|
| Site | WELD_BADDING 20-26 PAD, SECTION 26 T2N R66W | | | | |
| Site Position: | | Northing: | 1,282,246.75 ft | Latitude: | 40° 6' 20.365 N |
| From: | Lat/Long | Easting: | 3,212,655.87 ft | Longitude: | 104° 44' 23.078 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | in | Grid Convergence: | 0.49 ° |

| | | | | | | |
|-----------------------------|-----------------|---------|----------------------------|-----------------|----------------------|-------------------|
| Well | P_Badding 40-26 | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 1,282,247.62 ft | Latitude: | 40° 6' 20.369 N |
| | +E/-W | 0.00 ft | Easting: | 3,212,716.00 ft | Longitude: | 104° 44' 22.304 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 5,067.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | P_Badding 40-26 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 06/22/2010 | 8.96 | 66.85 | 53,081 |

| | | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|--|
| Design | PLAN #1 7-22-10 RHS | | | | |
| Audit Notes: | | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 | |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 45.21 | |

| 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 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,050.00 | 0.00 | 0.00 | 1,050.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,254.01 | 24.08 | 45.21 | 2,218.88 | 175.63 | 176.95 | 2.00 | 2.00 | 0.00 | 45.21 | |
| 5,331.03 | 24.08 | 45.21 | 5,028.12 | 1,060.04 | 1,068.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,535.05 | 0.00 | 0.00 | 6,197.00 | 1,235.67 | 1,244.97 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,455.05 | 0.00 | 0.00 | 8,117.00 | 1,235.67 | 1,244.97 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL_Badding 40- |

| | | | |
|------------------|-----------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 2003.16 Single User Db | Local Co-ordinate Reference: | Well P_Badding 40-26 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 5082.00ft (Original Well Elev) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | WELL @ 5082.00ft (Original Well Elev) |
| Site: | WELD_BADDING 20-26 PAD | North Reference: | True |
| Well: | P_Badding 40-26 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_Badding 40-26 | | |
| Design: | PLAN #1 7-22-10 RHS | | |

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) | Turn Rate (°/100ft) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,050.00 | 0.00 | 0.00 | 1,050.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 2.00 - 8 5/8" | | | | | | | | | |
| 1,100.00 | 1.00 | 45.21 | 1,100.00 | 0.31 | 0.31 | 0.44 | 2.00 | 2.00 | 0.00 |
| 1,200.00 | 3.00 | 45.21 | 1,199.93 | 2.77 | 2.79 | 3.93 | 2.00 | 2.00 | 0.00 |
| 1,300.00 | 5.00 | 45.21 | 1,299.68 | 7.68 | 7.74 | 10.90 | 2.00 | 2.00 | 0.00 |
| 1,400.00 | 7.00 | 45.21 | 1,399.13 | 15.04 | 15.16 | 21.35 | 2.00 | 2.00 | 0.00 |
| 1,500.00 | 9.00 | 45.21 | 1,498.15 | 24.85 | 25.03 | 35.27 | 2.00 | 2.00 | 0.00 |
| 1,600.00 | 11.00 | 45.21 | 1,596.63 | 37.08 | 37.36 | 52.63 | 2.00 | 2.00 | 0.00 |
| 1,700.00 | 13.00 | 45.21 | 1,694.44 | 51.72 | 52.11 | 73.42 | 2.00 | 2.00 | 0.00 |
| 1,800.00 | 15.00 | 45.21 | 1,791.46 | 68.77 | 69.28 | 97.62 | 2.00 | 2.00 | 0.00 |
| 1,900.00 | 17.00 | 45.21 | 1,887.58 | 88.18 | 88.85 | 125.18 | 2.00 | 2.00 | 0.00 |
| 2,000.00 | 19.00 | 45.21 | 1,982.68 | 109.95 | 110.78 | 156.08 | 2.00 | 2.00 | 0.00 |
| 2,100.00 | 21.00 | 45.21 | 2,076.65 | 134.04 | 135.05 | 190.28 | 2.00 | 2.00 | 0.00 |
| 2,200.00 | 23.00 | 45.21 | 2,169.36 | 160.43 | 161.64 | 227.74 | 2.00 | 2.00 | 0.00 |
| 2,254.01 | 24.08 | 45.21 | 2,218.88 | 175.62 | 176.95 | 249.31 | 2.00 | 2.00 | 0.00 |
| Start 3077.02 hold at 2254.01 MD | | | | | | | | | |
| 2,300.00 | 24.08 | 45.21 | 2,260.86 | 188.84 | 190.27 | 268.07 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 24.08 | 45.21 | 2,352.16 | 217.59 | 219.22 | 308.87 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 24.08 | 45.21 | 2,443.46 | 246.33 | 248.18 | 349.68 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 24.08 | 45.21 | 2,534.76 | 275.07 | 277.14 | 390.48 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 24.08 | 45.21 | 2,626.05 | 303.81 | 306.10 | 431.28 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 24.08 | 45.21 | 2,717.35 | 332.56 | 335.06 | 472.08 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 24.08 | 45.21 | 2,808.65 | 361.30 | 364.02 | 512.88 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 24.08 | 45.21 | 2,899.95 | 390.04 | 392.98 | 553.68 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 24.08 | 45.21 | 2,991.24 | 418.79 | 421.94 | 594.49 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 24.08 | 45.21 | 3,082.54 | 447.53 | 450.90 | 635.29 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 24.08 | 45.21 | 3,173.84 | 476.27 | 479.86 | 676.09 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 24.08 | 45.21 | 3,265.14 | 505.01 | 508.82 | 716.89 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 24.08 | 45.21 | 3,356.43 | 533.76 | 537.77 | 757.69 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 24.08 | 45.21 | 3,447.73 | 562.50 | 566.73 | 798.49 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 24.08 | 45.21 | 3,539.03 | 591.24 | 595.69 | 839.29 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 24.08 | 45.21 | 3,630.33 | 619.98 | 624.65 | 880.10 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 24.08 | 45.21 | 3,721.62 | 648.73 | 653.61 | 920.90 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 24.08 | 45.21 | 3,812.92 | 677.47 | 682.57 | 961.70 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 24.08 | 45.21 | 3,904.22 | 706.21 | 711.53 | 1,002.50 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 24.08 | 45.21 | 3,995.52 | 734.95 | 740.49 | 1,043.30 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 24.08 | 45.21 | 4,086.81 | 763.70 | 769.45 | 1,084.10 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 24.08 | 45.21 | 4,178.11 | 792.44 | 798.41 | 1,124.91 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 24.08 | 45.21 | 4,269.41 | 821.18 | 827.37 | 1,165.71 | 0.00 | 0.00 | 0.00 |
| 4,505.03 | 24.08 | 45.21 | 4,274.00 | 822.63 | 828.82 | 1,167.76 | 0.00 | 0.00 | 0.00 |
| SUSSEX | | | | | | | | | |
| 4,600.00 | 24.08 | 45.21 | 4,360.71 | 849.93 | 856.32 | 1,206.51 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 2003.16 Single User Db | Local Co-ordinate Reference: | Well P_Badding 40-26 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 5082.00ft (Original Well Elev) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | WELL @ 5082.00ft (Original Well Elev) |
| Site: | WELD_BADDING 20-26 PAD | North Reference: | True |
| Well: | P_Badding 40-26 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_Badding 40-26 | | |
| Design: | PLAN #1 7-22-10 RHS | | |

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) | Turn Rate (°/100ft) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 4,700.00 | 24.08 | 45.21 | 4,452.00 | 878.67 | 885.28 | 1,247.31 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 24.08 | 45.21 | 4,543.30 | 907.41 | 914.24 | 1,288.11 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 24.08 | 45.21 | 4,634.60 | 936.15 | 943.20 | 1,328.91 | 0.00 | 0.00 | 0.00 |
| 4,962.87 | 24.08 | 45.21 | 4,692.00 | 954.23 | 961.41 | 1,354.57 | 0.00 | 0.00 | 0.00 |
| SHANNON | | | | | | | | | |
| 5,000.00 | 24.08 | 45.21 | 4,725.90 | 964.90 | 972.16 | 1,369.72 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 24.08 | 45.21 | 4,817.19 | 993.64 | 1,001.12 | 1,410.52 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 24.08 | 45.21 | 4,908.49 | 1,022.38 | 1,030.08 | 1,451.32 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 24.08 | 45.21 | 4,999.79 | 1,051.12 | 1,059.04 | 1,492.12 | 0.00 | 0.00 | 0.00 |
| 5,331.03 | 24.08 | 45.21 | 5,028.12 | 1,060.04 | 1,068.02 | 1,504.78 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,400.00 | 22.70 | 45.21 | 5,091.42 | 1,079.33 | 1,087.46 | 1,532.16 | 2.00 | -2.00 | 0.00 |
| 5,500.00 | 20.70 | 45.21 | 5,184.33 | 1,105.38 | 1,113.70 | 1,569.14 | 2.00 | -2.00 | 0.00 |
| 5,600.00 | 18.70 | 45.21 | 5,278.47 | 1,129.12 | 1,137.62 | 1,602.85 | 2.00 | -2.00 | 0.00 |
| 5,700.00 | 16.70 | 45.21 | 5,373.73 | 1,150.54 | 1,159.20 | 1,633.25 | 2.00 | -2.00 | 0.00 |
| 5,800.00 | 14.70 | 45.21 | 5,469.99 | 1,169.60 | 1,178.41 | 1,660.31 | 2.00 | -2.00 | 0.00 |
| 5,900.00 | 12.70 | 45.21 | 5,567.14 | 1,186.29 | 1,195.22 | 1,683.99 | 2.00 | -2.00 | 0.00 |
| 6,000.00 | 10.70 | 45.21 | 5,665.06 | 1,200.57 | 1,209.61 | 1,704.27 | 2.00 | -2.00 | 0.00 |
| 6,100.00 | 8.70 | 45.21 | 5,763.62 | 1,212.44 | 1,221.57 | 1,721.12 | 2.00 | -2.00 | 0.00 |
| 6,200.00 | 6.70 | 45.21 | 5,862.72 | 1,221.88 | 1,231.08 | 1,734.52 | 2.00 | -2.00 | 0.00 |
| 6,300.00 | 4.70 | 45.21 | 5,962.22 | 1,228.88 | 1,238.13 | 1,744.45 | 2.00 | -2.00 | 0.00 |
| 6,400.00 | 2.70 | 45.21 | 6,062.00 | 1,233.43 | 1,242.71 | 1,750.91 | 2.00 | -2.00 | 0.00 |
| 6,500.00 | 0.70 | 45.21 | 6,161.96 | 1,235.52 | 1,244.82 | 1,753.88 | 2.00 | -2.00 | 0.00 |
| 6,535.04 | 0.00 | 0.00 | 6,197.00 | 1,235.67 | 1,244.97 | 1,754.09 | 2.00 | -2.00 | -129.02 |
| Start 1920.00 hold at 6535.04 MD | | | | | | | | | |
| 6,600.00 | 0.00 | 0.00 | 6,261.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,361.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,461.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,561.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,661.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,761.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 6,861.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 6,961.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,061.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,161.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,535.05 | 0.00 | 0.00 | 7,197.00 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| NIO | | | | | | | | | |
| 7,600.00 | 0.00 | 0.00 | 7,261.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,361.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,461.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,860.05 | 0.00 | 0.00 | 7,522.00 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| CODELL | | | | | | | | | |
| 7,900.00 | 0.00 | 0.00 | 7,561.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 7,950.05 | 0.00 | 0.00 | 7,612.00 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| GREENHORN | | | | | | | | | |
| 8,000.00 | 0.00 | 0.00 | 7,661.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,761.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 7,861.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 7,961.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 8,305.05 | 0.00 | 0.00 | 7,967.00 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| JSAND | | | | | | | | | |
| 8,400.00 | 0.00 | 0.00 | 8,061.95 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |
| 8,455.04 | 0.00 | 0.00 | 8,117.00 | 1,235.67 | 1,244.97 | 1,754.09 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 2003.16 Single User Db | Local Co-ordinate Reference: | Well P_Badding 40-26 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 5082.00ft (Original Well Elev) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | WELL @ 5082.00ft (Original Well Elev) |
| Site: | WELD_BADDING 20-26 PAD | North Reference: | True |
| Well: | P_Badding 40-26 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_Badding 40-26 | | |
| Design: | PLAN #1 7-22-10 RHS | | |

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| TD at 8455.04 - PBHL_Badding 40-26(2550 FSL 50 FEL) | | | | | | | | | |

| Target Name | - hit/miss target | - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|--------------------|---------------------------|-------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|------------------|
| PBHL_Badding 40-26 | - plan hits target center | - Circle (radius 50.00) | 0.00 | 0.00 | 8,117.00 | 1,235.67 | 1,244.97 | 1,283,493.92 | 3,213,950.32 | 40° 6' 32.580 N | 104° 44' 6.281 W |

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (in) | Hole Diameter (in) |
|---------------------|---------------------|--------|----------------------|--------------------|
| 1,050.00 | 1,050.00 | 8 5/8" | 8.620 | 11.000 |

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---------------------|---------------------|-----------|-----------|---------|-------------------|
| 4,962.87 | 4,692.00 | SHANNON | | | |
| 7,950.05 | 7,612.00 | GREENHORN | | | |
| 7,860.05 | 7,522.00 | CODELL | | | |
| 8,305.05 | 7,967.00 | JSAND | | | |
| 7,535.05 | 7,197.00 | NIO | | | |
| 4,505.03 | 4,274.00 | SUSSEX | | | |

| Measured Depth (ft) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Comment |
|---------------------|---------------------|------------|------------|----------------------------------|
| 1,050.00 | 1,050.00 | 0.00 | 0.00 | Start Build 2.00 |
| 2,254.01 | 2,218.88 | 175.62 | 176.95 | Start 3077.02 hold at 2254.01 MD |
| 5,331.03 | 5,028.12 | 1,060.04 | 1,068.02 | Start Drop -2.00 |
| 6,535.04 | 6,197.00 | 1,235.67 | 1,244.97 | Start 1920.00 hold at 6535.04 MD |
| 8,455.04 | 8,117.00 | 1,235.67 | 1,244.97 | TD at 8455.04 |