



US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_ROTH PAD

P_ROTH 22-19

P_ROTH 22-19

Plan: PLAN #1 5-27-10 RHS

Standard Planning Report

27 May, 2010





Project: COLORADO NORTHERN ZONE - 83
 Site: WELD_ROTH PAD
 Well: P_ROTH 22-19
 Wellbore: P_ROTH 22-19
 Section: SECTION 19 T6N R64W
 SHL: 1934 FSL 1784 FWL
 Design: PLAN #1 5-27-10 RHS
 Latitude: 40° 28' 10.063 N
 Longitude: 104° 35' 43.696 W
 GL: 4671.00
 KB: WELL @ 4686.00ft (Original Well Elev)



Weatherford



Azimuths to True North
 Magnetic North: 8.92°
 Magnetic Field
 Strength: 53298.6snT
 Dip Angle: 67.17°
 Date: 5/27/2010
 Model: IGRF2010

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|-----------|
| 3534.00 | 3596.15 | PARKMAN |
| 4261.00 | 4342.38 | SUSSEX |
| 6611.00 | 6716.61 | NIO |
| 6921.00 | 7026.61 | CODELL |
| 6991.00 | 7096.61 | GREENHORN |

CASING DETAILS

| TVD | MD | Name | Size |
|--------|--------|--------|------|
| 650.00 | 650.00 | 8 5/8" | 8.62 |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Annotation |
|---------|-------|--------|---------|--------|---------|------|--------|--------|----------------------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 750.00 | 0.00 | 0.00 | 750.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Build 2.00 |
| 1401.75 | 13.04 | 323.26 | 1396.14 | 59.15 | -44.16 | 2.00 | 323.26 | 73.82 | Start 3663.10 hold at 1401.75 MD |
| 5064.85 | 13.04 | 323.26 | 4964.86 | 721.20 | -538.42 | 0.00 | 0.00 | 900.02 | Start Drop -2.00 |
| 5716.61 | 0.00 | 0.00 | 5611.00 | 780.36 | -582.59 | 2.00 | 180.00 | 973.84 | Start 1470.00 hold at 5716.61 MD |
| 7186.61 | 0.00 | 0.00 | 7081.00 | 780.36 | -582.59 | 0.00 | 0.00 | 973.84 | TD at 7186.61 |

LEGEND

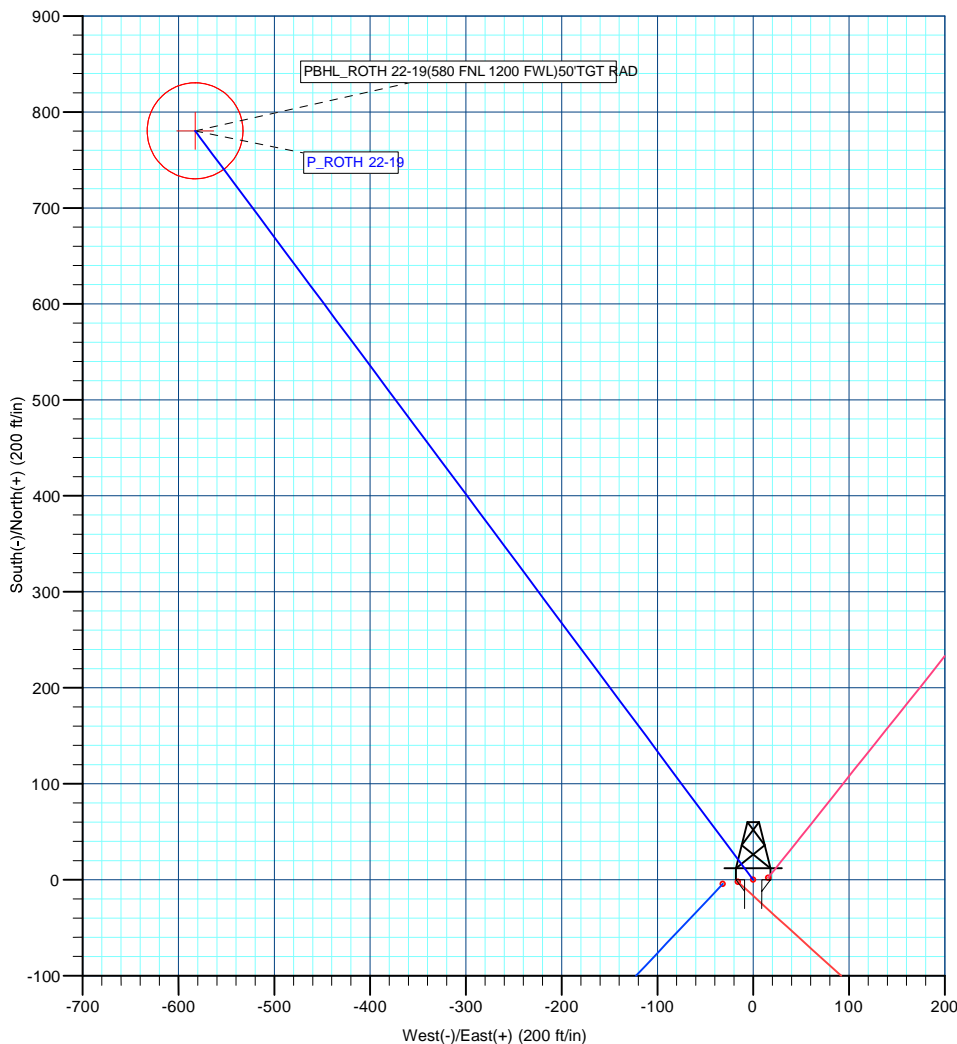
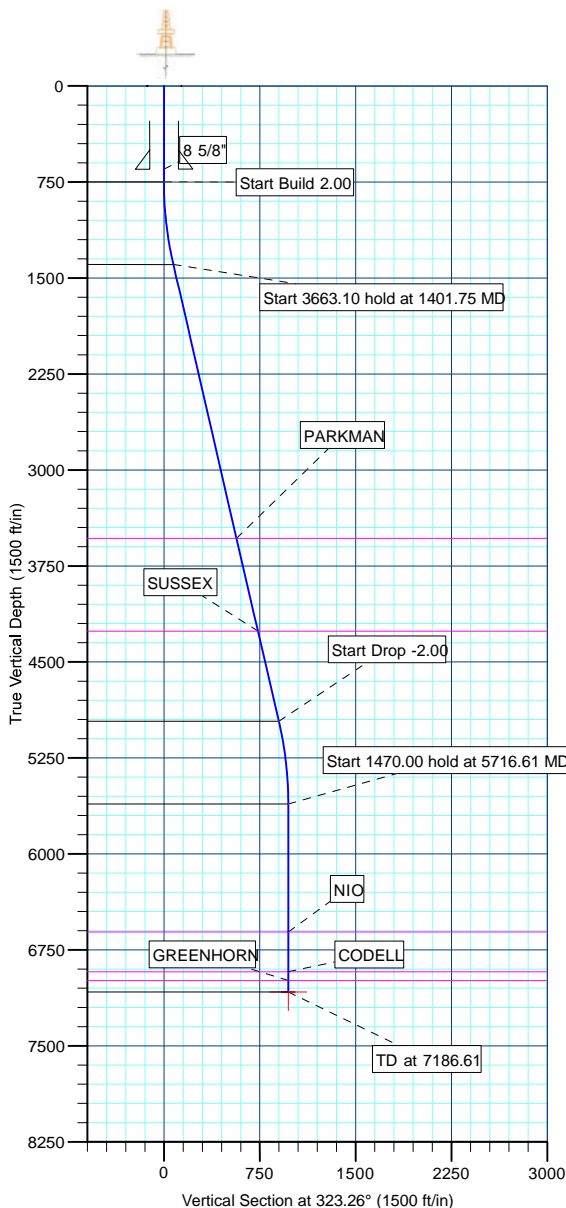
- P_ROTH 19-19, P_ROTH 19-19, PLAN #1 5-27-10 RHS V0
- P_ROTH 23-19, P_ROTH 23-19, PLAN #1 5-27-10 RHS V0
- P_ROTH 25-19, P_ROTH 25-19, PLAN #1 5-27-10 RHS V0
- PLAN #1 5-27-10 RHS

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|------|---------|--------|---------|------------------|-------------------|------------------------|
| PBHL | 7081.00 | 780.36 | -582.59 | 40° 28' 17.774 N | 104° 35' 51.234 W | Circle (Radius: 50.00) |

WELL DETAILS: P_ROTH 22-19

| +N/-S | +E/-W | Northing | Ground Level: | 4671.00 | Longitude | Slot |
|-------|-------|------------|---------------|------------|------------------|-------------------|
| 0.00 | 0.00 | 1415148.90 | Easting | 3251658.21 | 40° 28' 10.063 N | 104° 35' 43.696 W |



Plan: PLAN #1 5-27-10 RHS (P_ROTH 22-19/P_ROTH 22-19)

Created By: Robert H. Scott Date: 18:06, May 27 2010

| | | | |
|-----------|-----------------------------|------------------------------|---------------------------------------|
| Database: | EDM 2003.21 Single User Db | Local Co-ordinate Reference: | Well P_ROTH 22-19 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 4686.00ft (Original Well Elev) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | WELL @ 4686.00ft (Original Well Elev) |
| Site: | WELD_ROTH PAD | North Reference: | True |
| Well: | P_ROTH 22-19 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_ROTH 22-19 | | |
| Design: | PLAN #1 5-27-10 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_ROTH PAD, SECTION 19 T6N R64W | | | |
|-----------------------|----------|------------------------------------|----------------|-------------------|-------------------|
| Site Position: | | Northing: | 1,415,144.22ft | Latitude: | 40° 28' 10.020 N |
| From: | Lat/Long | Easting: | 3,251,626.53ft | Longitude: | 104° 35' 44.106 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | in | Grid Convergence: | 0.58 ° |

| | | | | | | |
|----------------------|--------------|----------|---------------------|-----------------|---------------|-------------------|
| Well | P_ROTH 22-19 | | | | | |
| Well Position | +N/-S | 4.36 ft | Northing: | 1,415,148.90 ft | Latitude: | 40° 28' 10.063 N |
| | +E/-W | 31.72 ft | Easting: | 3,251,658.21 ft | Longitude: | 104° 35' 43.696 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 4,671.00 ft |

| | | | | | |
|-----------|--------------|-------------|-----------------|---------------|---------------------|
| Wellbore | P_ROTH 22-19 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 5/27/2010 | 8.92 | 67.17 | 53,299 |

| | | | | |
|-------------------|-----------------------|------------|---------------|---------------|
| Design | PLAN #1 5-27-10 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 | 323.26 |

| 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 | |
| 750.00 | 0.00 | 0.00 | 750.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,401.75 | 13.04 | 323.26 | 1,396.14 | 59.15 | -44.16 | 2.00 | 2.00 | 0.00 | 323.26 | |
| 5,064.85 | 13.04 | 323.26 | 4,964.86 | 721.20 | -538.42 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,716.61 | 0.00 | 0.00 | 5,611.00 | 780.36 | -582.59 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 7,186.61 | 0.00 | 0.00 | 7,081.00 | 780.36 | -582.59 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL_ROTH 22-19 |

| | | | |
|-----------|-----------------------------|------------------------------|---------------------------------------|
| Database: | EDM 2003.21 Single User Db | Local Co-ordinate Reference: | Well P_ROTH 22-19 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 4686.00ft (Original Well Elev) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | WELL @ 4686.00ft (Original Well Elev) |
| Site: | WELD_ROTH PAD | North Reference: | True |
| Well: | P_ROTH 22-19 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_ROTH 22-19 | | |
| Design: | PLAN #1 5-27-10 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) |
|----------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Start Build 2.00 | | | | | | | | | |
| 750.00 | 0.00 | 0.00 | 750.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 1.00 | 323.26 | 800.00 | 0.35 | -0.26 | 0.44 | 2.00 | 2.00 | 0.00 |
| 900.00 | 3.00 | 323.26 | 899.93 | 3.15 | -2.35 | 3.93 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 5.00 | 323.26 | 999.68 | 8.74 | -6.52 | 10.90 | 2.00 | 2.00 | 0.00 |
| 1,100.00 | 7.00 | 323.26 | 1,099.13 | 17.11 | -12.77 | 21.35 | 2.00 | 2.00 | 0.00 |
| 1,200.00 | 9.00 | 323.26 | 1,198.15 | 28.26 | -21.10 | 35.27 | 2.00 | 2.00 | 0.00 |
| 1,300.00 | 11.00 | 323.26 | 1,296.63 | 42.18 | -31.49 | 52.63 | 2.00 | 2.00 | 0.00 |
| 1,400.00 | 13.00 | 323.26 | 1,394.44 | 58.84 | -43.93 | 73.42 | 2.00 | 2.00 | 0.00 |
| Start 3663.10 hold at 1401.75 MD | | | | | | | | | |
| 1,401.75 | 13.04 | 323.26 | 1,396.14 | 59.15 | -44.16 | 73.82 | 2.00 | 2.00 | 0.00 |
| 1,500.00 | 13.04 | 323.26 | 1,491.86 | 76.91 | -57.42 | 95.98 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 13.04 | 323.26 | 1,589.28 | 94.98 | -70.91 | 118.53 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 13.04 | 323.26 | 1,686.71 | 113.06 | -84.40 | 141.09 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 13.04 | 323.26 | 1,784.13 | 131.13 | -97.90 | 163.64 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 13.04 | 323.26 | 1,881.55 | 149.20 | -111.39 | 186.20 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 13.04 | 323.26 | 1,978.98 | 167.28 | -124.88 | 208.75 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 13.04 | 323.26 | 2,076.40 | 185.35 | -138.38 | 231.31 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 13.04 | 323.26 | 2,173.82 | 203.42 | -151.87 | 253.86 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 13.04 | 323.26 | 2,271.25 | 221.50 | -165.36 | 276.42 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 13.04 | 323.26 | 2,368.67 | 239.57 | -178.86 | 298.97 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 13.04 | 323.26 | 2,466.09 | 257.64 | -192.35 | 321.53 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 13.04 | 323.26 | 2,563.52 | 275.72 | -205.84 | 344.08 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 13.04 | 323.26 | 2,660.94 | 293.79 | -219.33 | 366.63 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 13.04 | 323.26 | 2,758.36 | 311.87 | -232.83 | 389.19 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 13.04 | 323.26 | 2,855.79 | 329.94 | -246.32 | 411.74 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 13.04 | 323.26 | 2,953.21 | 348.01 | -259.81 | 434.30 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 13.04 | 323.26 | 3,050.63 | 366.09 | -273.31 | 456.85 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 13.04 | 323.26 | 3,148.06 | 384.16 | -286.80 | 479.41 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 13.04 | 323.26 | 3,245.48 | 402.23 | -300.29 | 501.96 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 13.04 | 323.26 | 3,342.90 | 420.31 | -313.79 | 524.52 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 13.04 | 323.26 | 3,440.33 | 438.38 | -327.28 | 547.07 | 0.00 | 0.00 | 0.00 |
| PARKMAN | | | | | | | | | |
| 3,596.15 | 13.04 | 323.26 | 3,534.00 | 455.76 | -340.25 | 568.76 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 13.04 | 323.26 | 3,537.75 | 456.45 | -340.77 | 569.63 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 13.04 | 323.26 | 3,635.17 | 474.53 | -354.26 | 592.18 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 13.04 | 323.26 | 3,732.59 | 492.60 | -367.76 | 614.74 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 13.04 | 323.26 | 3,830.02 | 510.67 | -381.25 | 637.29 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 13.04 | 323.26 | 3,927.44 | 528.75 | -394.74 | 659.85 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 13.04 | 323.26 | 4,024.86 | 546.82 | -408.24 | 682.40 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 13.04 | 323.26 | 4,122.29 | 564.89 | -421.73 | 704.96 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 13.04 | 323.26 | 4,219.71 | 582.97 | -435.22 | 727.51 | 0.00 | 0.00 | 0.00 |
| SUSSEX | | | | | | | | | |
| 4,342.38 | 13.04 | 323.26 | 4,261.00 | 590.63 | -440.94 | 737.07 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 13.04 | 323.26 | 4,317.13 | 601.04 | -448.72 | 750.06 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 13.04 | 323.26 | 4,414.56 | 619.12 | -462.21 | 772.62 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 13.04 | 323.26 | 4,511.98 | 637.19 | -475.70 | 795.17 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 13.04 | 323.26 | 4,609.40 | 655.26 | -489.19 | 817.73 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 13.04 | 323.26 | 4,706.83 | 673.34 | -502.69 | 840.28 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 13.04 | 323.26 | 4,804.25 | 691.41 | -516.18 | 862.84 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 13.04 | 323.26 | 4,901.67 | 709.48 | -529.67 | 885.39 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,064.85 | 13.04 | 323.26 | 4,964.86 | 721.20 | -538.42 | 900.02 | 0.00 | 0.00 | 0.00 |

| | | | |
|-----------|-----------------------------|------------------------------|---------------------------------------|
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| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 4686.00ft (Original Well Elev) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | WELL @ 4686.00ft (Original Well Elev) |
| Site: | WELD_ROTH PAD | North Reference: | True |
| Well: | P_ROTH 22-19 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_ROTH 22-19 | | |
| Design: | PLAN #1 5-27-10 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) |
|---------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,100.00 | 12.33 | 323.26 | 4,999.14 | 727.39 | -543.04 | 907.74 | 2.00 | -2.00 | 0.00 |
| 5,200.00 | 10.33 | 323.26 | 5,097.19 | 743.13 | -554.80 | 927.39 | 2.00 | -2.00 | 0.00 |
| 5,300.00 | 8.33 | 323.26 | 5,195.86 | 756.13 | -564.50 | 943.60 | 2.00 | -2.00 | 0.00 |
| 5,400.00 | 6.33 | 323.26 | 5,295.04 | 766.35 | -572.13 | 956.36 | 2.00 | -2.00 | 0.00 |
| 5,500.00 | 4.33 | 323.26 | 5,394.60 | 773.80 | -577.69 | 965.65 | 2.00 | -2.00 | 0.00 |
| 5,600.00 | 2.33 | 323.26 | 5,494.43 | 778.46 | -581.17 | 971.47 | 2.00 | -2.00 | 0.00 |
| 5,700.00 | 0.33 | 323.26 | 5,594.39 | 780.32 | -582.56 | 973.79 | 2.00 | -2.00 | 0.00 |
| Start 1470.00 hold at 5716.61 MD | | | | | | | | | |
| 5,716.61 | 0.00 | 0.00 | 5,611.00 | 780.36 | -582.59 | 973.84 | 2.00 | -2.00 | 221.28 |
| 5,800.00 | 0.00 | 0.00 | 5,694.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,794.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.00 | 0.00 | 5,894.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 5,994.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 6,094.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,194.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,294.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,394.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,494.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,594.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| NIO | | | | | | | | | |
| 6,716.61 | 0.00 | 0.00 | 6,611.00 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,694.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,794.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,894.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| CODELL | | | | | | | | | |
| 7,026.61 | 0.00 | 0.00 | 6,921.00 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| GREENHORN | | | | | | | | | |
| 7,096.61 | 0.00 | 0.00 | 6,991.00 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,994.39 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |
| PBHL_ROTH 22-19(580 FNL 1200 FWL)50'TGT RAD | | | | | | | | | |
| 7,186.61 | 0.00 | 0.00 | 7,081.00 | 780.36 | -582.59 | 973.84 | 0.00 | 0.00 | 0.00 |

Design Targets

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_ROTH 22-19(5 - plan hits target center - Circle (radius 50.00) | 0.00 | 0.00 | 7,081.00 | 780.36 | -582.59 | 1,415,923.27 | 3,251,067.69 | 40° 28' 17.774 N | 104° 35' 51.234 W |

Casing Points

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (in) | Hole Diameter (in) |
|---------------------|---------------------|--------|----------------------|--------------------|
| 650.00 | 650.00 | 8 5/8" | 8.62 | 11.00 |

| | | | |
|-----------|-----------------------------|------------------------------|---------------------------------------|
| Database: | EDM 2003.21 Single User Db | Local Co-ordinate Reference: | Well P_ROTH 22-19 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 4686.00ft (Original Well Elev) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | WELL @ 4686.00ft (Original Well Elev) |
| Site: | WELD_ROTH PAD | North Reference: | True |
| Well: | P_ROTH 22-19 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_ROTH 22-19 | | |
| Design: | PLAN #1 5-27-10 RHS | | |

Formations

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---------------------|---------------------|-----------|-----------|---------|-------------------|
| 3,596.15 | 3,534.00 | PARKMAN | | | |
| 4,342.38 | 4,261.00 | SUSSEX | | | |
| 6,716.61 | 6,611.00 | NIO | | | |
| 7,026.61 | 6,921.00 | CODELL | | | |
| 7,096.61 | 6,991.00 | GREENHORN | | | |

Plan Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------|---------------------|-------------------|------------|----------------------------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 750.00 | 750.00 | 0.00 | 0.00 | Start Build 2.00 |
| 1,401.75 | 1,396.14 | 59.15 | -44.16 | Start 3663.10 hold at 1401.75 MD |
| 5,064.85 | 4,964.86 | 721.20 | -538.42 | Start Drop -2.00 |
| 5,716.61 | 5,611.00 | 780.36 | -582.59 | Start 1470.00 hold at 5716.61 MD |
| 7,186.61 | 7,081.00 | 780.36 | -582.59 | TD at 7186.61 |