

US ROCKIES WATTENBERG PLANNING

**WELD-NAD83-UTMFT13N
2N-68W-15 Camenisch 7-15 Pad
CAMENISCH STATE 23N-34HZ**

Plan A

Plan: Permit Rev-2

Standard Planning Report

05 October, 2016



Azimuths to True North
Magnetic North: 8.39°

Magnetic Field
Strength: 52521.3snT
Dip Angle: 66.66°
Date: 9/22/2015
Model: IGRF2010

SITE: 2N-68W-15 Camenisch 7-15 Pad

Well: CAMENISCH STATE 23N-34HZ
Wellbore: Plan A
Design: Permit Rev-2

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|----------------|
| 749.00 | 749.18 | Fox Hills Mkr |
| 3786.00 | 3826.26 | Parkman |
| 4523.00 | 4573.11 | Sussex |
| 7071.00 | 7168.00 | Sharon Springs |
| 7163.00 | 7311.86 | Niobrara |
| 7228.00 | 7455.81 | Nio B |

WELL DETAILS: CAMENISCH STATE 23N-34HZ

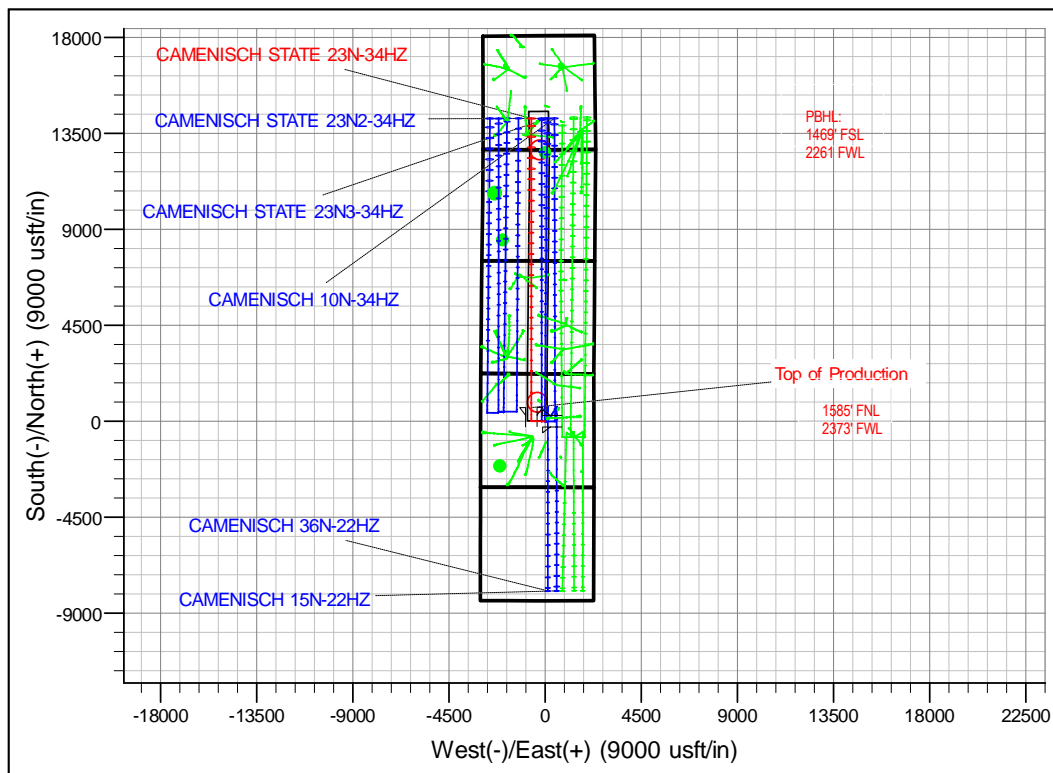
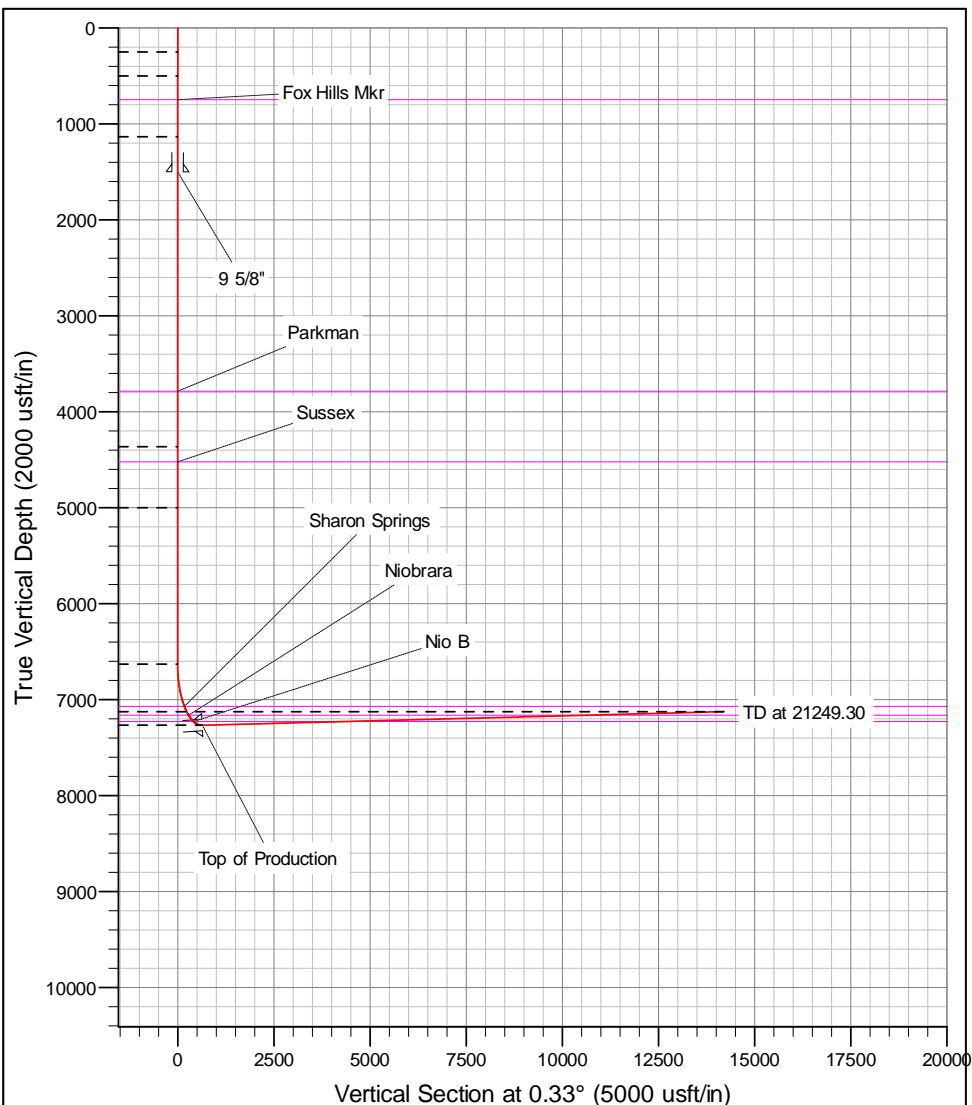
| +N/-S | +E/-W | GL: 4876.00 | RKB = 17' @ 4893.00usft (D Rig) | | |
|-------|-------|-------------|---------------------------------|-----------|-------------|
| 0.00 | 0.00 | Northing | Easting | Latitude | Longitude |
| | | 14577706.70 | 1643790.53 | 40.139980 | -104.987928 |
| | | | | | Slot |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | Vsect |
|----------|-------|--------|---------|----------|---------|------|---------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250.00 | 0.00 | 0.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1136.99 | 9.55 | 270.00 | 1134.04 | 0.00 | -52.99 | 1.50 | -0.31 |
| 4414.37 | 9.55 | 270.00 | 4365.96 | 0.00 | -597.01 | 0.00 | -3.44 |
| 5051.36 | 0.00 | 0.00 | 5000.00 | 0.00 | -650.00 | 1.50 | -3.74 |
| 6682.77 | 0.00 | 0.00 | 6631.41 | 0.00 | -650.00 | 0.00 | -3.74 |
| 7689.44 | 90.60 | 360.00 | 7268.00 | 643.29 | -650.00 | 9.00 | 639.53 |
| 21249.30 | 90.60 | 360.00 | 7126.00 | 14202.40 | -650.00 | 0.00 | 4198.42 |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|--------------------------------|---------|----------|---------|-------------|------------|-----------|-------------|
| CAMENISCH STATE 23N-34HZ, PBHL | 7126.00 | 14202.40 | -650.00 | 14591909.01 | 1643138.60 | 40.178981 | -104.990255 |



Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|---------------------------------|
| Database: | PLANNING | Local Co-ordinate Reference: | Well CAMENISCH STATE 23N-34HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Site: | 2N-68W-15 Camenisch 7-15 Pad | North Reference: | True |
| Well: | CAMENISCH STATE 23N-34HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-2 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | WELD-NAD83-UTMFT13N | | |
| Map System: | Universal Transverse Mercator (US Survey Feet) | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Zone 13N (108 W to 102 W) | | |

| | | | | | | | | | | | | | | | | | |
|-----------------------|--|--|-----------|--|--|------------------------------|--|--|--------------------|--|--|-------------------|--|--|-------------|--|--|
| Site | | | | | | 2N-68W-15 Camenisch 7-15 Pad | | | | | | | | | | | |
| Site Position: | | | | | | Northing: | | | 14,577,706.69 usft | | | Latitude: | | | 40.139980 | | |
| From: | | | Lat/Long | | | Easting: | | | 1,643,790.52 usft | | | Longitude: | | | -104.987928 | | |
| Position Uncertainty: | | | 0.00 usft | | | Slot Radius: | | | 13-3/16 " | | | Grid Convergence: | | | 0.01 | | |

| Well | CAMENISCH STATE 23N-34HZ | | | | | |
|----------------------|--------------------------|-----------|---------------------|--------------------|---------------|---------------|
| Well Position | +N/-S | 0.00 usft | Northing: | 14,577,706.69 usft | Latitude: | 40.139980 |
| | +E/-W | 0.00 usft | Easting: | 1,643,790.52 usft | Longitude: | -104.987928 |
| Position Uncertainty | | 3.28 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 4,876.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Plan A | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 9/22/2015 | 8.39 | 66.66 | 52,521 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Permit Rev-2 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 0.33 |

| 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 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 250.00 | 0.00 | 0.00 | 250.00 | 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 | |
| 1,136.99 | 9.55 | 270.00 | 1,134.04 | 0.00 | -52.99 | 1.50 | 1.50 | 0.00 | 270.00 | |
| 4,414.37 | 9.55 | 270.00 | 4,365.96 | 0.00 | -597.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,051.36 | 0.00 | 0.00 | 5,000.00 | 0.00 | -650.00 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 6,682.77 | 0.00 | 0.00 | 6,631.41 | 0.00 | -650.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,689.44 | 90.60 | 360.00 | 7,268.00 | 643.29 | -650.00 | 9.00 | 9.00 | 0.00 | 360.00 | |
| 21,249.30 | 90.60 | 360.00 | 7,126.00 | 14,202.40 | -650.00 | 0.00 | 0.00 | 0.00 | 0.00 | CAMENISCH STAT |

Corporate Planning Report

Database: PLANNING
Company: US ROCKIES WATTENBERG PLANNING
Project: WELD-NAD83-UTMFT13N
Site: 2N-68W-15 Camenisch 7-15 Pad
Well: CAMENISCH STATE 23N-34HZ
Wellbore: Plan A
Design: Permit Rev-2

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well CAMENISCH STATE 23N-34HZ
RKB = 17' @ 4893.00usft (D Rig)
RKB = 17' @ 4893.00usft (D Rig)
True
Minimum Curvature

| 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) |
| 0.00 | 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 |
| 250.00 | 0.00 | 0.00 | 250.00 | 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 | 1.50 | 270.00 | 599.99 | 0.00 | -1.31 | -0.01 | 1.50 | 1.50 | 0.00 |
| 700.00 | 3.00 | 270.00 | 699.91 | 0.00 | -5.23 | -0.03 | 1.50 | 1.50 | 0.00 |
| 749.18 | 3.74 | 270.00 | 749.00 | 0.00 | -8.12 | -0.05 | 1.50 | 1.50 | 0.00 |
| Fox Hills Mkr | | | | | | | | | |
| 800.00 | 4.50 | 270.00 | 799.69 | 0.00 | -11.77 | -0.07 | 1.50 | 1.50 | 0.00 |
| 900.00 | 6.00 | 270.00 | 899.27 | 0.00 | -20.92 | -0.12 | 1.50 | 1.50 | 0.00 |
| 1,000.00 | 7.50 | 270.00 | 998.57 | 0.00 | -32.68 | -0.19 | 1.50 | 1.50 | 0.00 |
| 1,100.00 | 9.00 | 270.00 | 1,097.54 | 0.00 | -47.03 | -0.27 | 1.50 | 1.50 | 0.00 |
| 1,136.99 | 9.55 | 270.00 | 1,134.04 | 0.00 | -52.99 | -0.31 | 1.50 | 1.50 | 0.00 |
| 1,200.00 | 9.55 | 270.00 | 1,196.18 | 0.00 | -63.45 | -0.37 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 9.55 | 270.00 | 1,294.79 | 0.00 | -80.05 | -0.46 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 9.55 | 270.00 | 1,393.40 | 0.00 | -96.65 | -0.56 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 9.55 | 270.00 | 1,492.02 | 0.00 | -113.25 | -0.65 | 0.00 | 0.00 | 0.00 |
| 1,508.10 | 9.55 | 270.00 | 1,500.00 | 0.00 | -114.59 | -0.66 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 1,600.00 | 9.55 | 270.00 | 1,590.63 | 0.00 | -129.85 | -0.75 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 9.55 | 270.00 | 1,689.24 | 0.00 | -146.45 | -0.84 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 9.55 | 270.00 | 1,787.85 | 0.00 | -163.04 | -0.94 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 9.55 | 270.00 | 1,886.47 | 0.00 | -179.64 | -1.03 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 9.55 | 270.00 | 1,985.08 | 0.00 | -196.24 | -1.13 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 9.55 | 270.00 | 2,083.69 | 0.00 | -212.84 | -1.23 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 9.55 | 270.00 | 2,182.30 | 0.00 | -229.44 | -1.32 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 9.55 | 270.00 | 2,280.92 | 0.00 | -246.04 | -1.42 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 9.55 | 270.00 | 2,379.53 | 0.00 | -262.64 | -1.51 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 9.55 | 270.00 | 2,478.14 | 0.00 | -279.24 | -1.61 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 9.55 | 270.00 | 2,576.76 | 0.00 | -295.84 | -1.70 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 9.55 | 270.00 | 2,675.37 | 0.00 | -312.44 | -1.80 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 9.55 | 270.00 | 2,773.98 | 0.00 | -329.04 | -1.90 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 9.55 | 270.00 | 2,872.59 | 0.00 | -345.64 | -1.99 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 9.55 | 270.00 | 2,971.21 | 0.00 | -362.24 | -2.09 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 9.55 | 270.00 | 3,069.82 | 0.00 | -378.83 | -2.18 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 9.55 | 270.00 | 3,168.43 | 0.00 | -395.43 | -2.28 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 9.55 | 270.00 | 3,267.04 | 0.00 | -412.03 | -2.37 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 9.55 | 270.00 | 3,365.66 | 0.00 | -428.63 | -2.47 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 9.55 | 270.00 | 3,464.27 | 0.00 | -445.23 | -2.56 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 9.55 | 270.00 | 3,562.88 | 0.00 | -461.83 | -2.66 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 9.55 | 270.00 | 3,661.50 | 0.00 | -478.43 | -2.76 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 9.55 | 270.00 | 3,760.11 | 0.00 | -495.03 | -2.85 | 0.00 | 0.00 | 0.00 |
| 3,826.26 | 9.55 | 270.00 | 3,786.00 | 0.00 | -499.39 | -2.88 | 0.00 | 0.00 | 0.00 |
| Parkman | | | | | | | | | |
| 3,900.00 | 9.55 | 270.00 | 3,858.72 | 0.00 | -511.63 | -2.95 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 9.55 | 270.00 | 3,957.33 | 0.00 | -528.23 | -3.04 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 9.55 | 270.00 | 4,055.95 | 0.00 | -544.83 | -3.14 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 9.55 | 270.00 | 4,154.56 | 0.00 | -561.43 | -3.23 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 9.55 | 270.00 | 4,253.17 | 0.00 | -578.02 | -3.33 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 9.55 | 270.00 | 4,351.78 | 0.00 | -594.62 | -3.42 | 0.00 | 0.00 | 0.00 |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|---------------------------------|
| Database: | PLANNING | Local Co-ordinate Reference: | Well CAMENISCH STATE 23N-34HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Site: | 2N-68W-15 Camenisch 7-15 Pad | North Reference: | True |
| Well: | CAMENISCH STATE 23N-34HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-2 | | |

| 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) |
| 4,414.37 | 9.55 | 270.00 | 4,365.96 | 0.00 | -597.01 | -3.44 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 8.27 | 270.00 | 4,450.55 | 0.00 | -610.28 | -3.51 | 1.50 | -1.50 | 0.00 |
| 4,573.12 | 7.17 | 270.00 | 4,523.00 | 0.00 | -620.10 | -3.57 | 1.50 | -1.50 | 0.00 |
| Sussex | | | | | | | | | |
| 4,600.00 | 6.77 | 270.00 | 4,549.69 | 0.00 | -623.36 | -3.59 | 1.50 | -1.50 | 0.00 |
| 4,700.00 | 5.27 | 270.00 | 4,649.13 | 0.00 | -633.85 | -3.65 | 1.50 | -1.50 | 0.00 |
| 4,800.00 | 3.77 | 270.00 | 4,748.82 | 0.00 | -641.73 | -3.70 | 1.50 | -1.50 | 0.00 |
| 4,900.00 | 2.27 | 270.00 | 4,848.68 | 0.00 | -647.00 | -3.73 | 1.50 | -1.50 | 0.00 |
| 5,000.00 | 0.77 | 270.00 | 4,948.64 | 0.00 | -649.65 | -3.74 | 1.50 | -1.50 | 0.00 |
| 5,051.36 | 0.00 | 0.00 | 5,000.00 | 0.00 | -650.00 | -3.74 | 1.50 | -1.50 | 0.00 |
| 5,100.00 | 0.00 | 0.00 | 5,048.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 0.00 | 0.00 | 5,148.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.00 | 0.00 | 5,248.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 0.00 | 0.00 | 5,348.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 0.00 | 0.00 | 5,448.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.00 | 0.00 | 5,548.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,648.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,748.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,848.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.00 | 0.00 | 5,948.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 6,048.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 6,148.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,248.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,348.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,448.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,548.64 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,682.77 | 0.00 | 0.00 | 6,631.41 | 0.00 | -650.00 | -3.74 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 1.55 | 360.00 | 6,648.63 | 0.23 | -650.00 | -3.51 | 9.00 | 9.00 | 0.00 |
| 6,800.00 | 10.55 | 360.00 | 6,747.98 | 10.76 | -650.00 | 7.02 | 9.00 | 9.00 | 0.00 |
| 6,900.00 | 19.55 | 360.00 | 6,844.45 | 36.70 | -650.00 | 32.96 | 9.00 | 9.00 | 0.00 |
| 7,000.00 | 28.55 | 360.00 | 6,935.67 | 77.41 | -650.00 | 73.67 | 9.00 | 9.00 | 0.00 |
| 7,100.00 | 37.55 | 360.00 | 7,019.40 | 131.90 | -650.00 | 128.15 | 9.00 | 9.00 | 0.00 |
| 7,168.00 | 43.67 | 360.00 | 7,071.00 | 176.13 | -650.00 | 172.39 | 9.00 | 9.00 | 0.00 |
| Sharon Springs | | | | | | | | | |
| 7,200.00 | 46.55 | 360.00 | 7,093.58 | 198.81 | -650.00 | 195.06 | 9.00 | 9.00 | 0.00 |
| 7,300.00 | 55.55 | 360.00 | 7,156.38 | 276.50 | -650.00 | 272.75 | 9.00 | 9.00 | 0.00 |
| 7,311.86 | 56.62 | 360.00 | 7,163.00 | 286.34 | -650.00 | 282.59 | 9.00 | 9.00 | 0.00 |
| Niobrara | | | | | | | | | |
| 7,400.00 | 64.55 | 360.00 | 7,206.26 | 363.05 | -650.00 | 359.30 | 9.00 | 9.00 | 0.00 |
| 7,455.81 | 69.57 | 360.00 | 7,228.00 | 414.43 | -650.00 | 410.68 | 9.00 | 9.00 | 0.00 |
| Nio B | | | | | | | | | |
| 7,500.00 | 73.55 | 360.00 | 7,241.97 | 456.35 | -650.00 | 452.59 | 9.00 | 9.00 | 0.00 |
| 7,600.00 | 82.55 | 360.00 | 7,262.66 | 554.08 | -650.00 | 550.33 | 9.00 | 9.00 | 0.00 |
| 7,689.44 | 90.60 | 360.00 | 7,268.00 | 643.29 | -650.00 | 639.53 | 9.00 | 9.00 | 0.00 |
| Top of Production - CAMENISCH STATE 23N-34HZ_PHL | | | | | | | | | |
| 7,700.00 | 90.60 | 360.00 | 7,267.89 | 653.84 | -650.00 | 650.09 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 90.60 | 360.00 | 7,266.84 | 753.84 | -650.00 | 750.08 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.60 | 360.00 | 7,265.79 | 853.83 | -650.00 | 850.08 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 90.60 | 360.00 | 7,264.74 | 953.83 | -650.00 | 950.07 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.60 | 360.00 | 7,263.70 | 1,053.82 | -650.00 | 1,050.06 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.60 | 360.00 | 7,262.65 | 1,153.82 | -650.00 | 1,150.05 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.60 | 360.00 | 7,261.60 | 1,253.81 | -650.00 | 1,250.05 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.60 | 360.00 | 7,260.56 | 1,353.81 | -650.00 | 1,350.04 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.60 | 360.00 | 7,259.51 | 1,453.80 | -650.00 | 1,450.03 | 0.00 | 0.00 | 0.00 |

Corporate Planning Report

Database: PLANNING
Company: US ROCKIES WATTENBERG PLANNING
Project: WELD-NAD83-UTMFT13N
Site: 2N-68W-15 Camenisch 7-15 Pad
Well: CAMENISCH STATE 23N-34HZ
Wellbore: Plan A
Design: Permit Rev-2

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well CAMENISCH STATE 23N-34HZ
RKB = 17' @ 4893.00usft (D Rig)
RKB = 17' @ 4893.00usft (D Rig)
True
Minimum Curvature

| 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) |
| 8,600.00 | 90.60 | 360.00 | 7,258.46 | 1,553.80 | -650.00 | 1,550.03 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.60 | 360.00 | 7,257.41 | 1,653.79 | -650.00 | 1,650.02 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.60 | 360.00 | 7,256.37 | 1,753.78 | -650.00 | 1,750.01 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.60 | 360.00 | 7,255.32 | 1,853.78 | -650.00 | 1,850.00 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.60 | 360.00 | 7,254.27 | 1,953.77 | -650.00 | 1,950.00 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.60 | 360.00 | 7,253.22 | 2,053.77 | -650.00 | 2,049.99 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.60 | 360.00 | 7,252.18 | 2,153.76 | -650.00 | 2,149.98 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.60 | 360.00 | 7,251.13 | 2,253.76 | -650.00 | 2,249.98 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.60 | 360.00 | 7,250.08 | 2,353.75 | -650.00 | 2,349.97 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.60 | 360.00 | 7,249.04 | 2,453.75 | -650.00 | 2,449.96 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.60 | 360.00 | 7,247.99 | 2,553.74 | -650.00 | 2,549.95 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.60 | 360.00 | 7,246.94 | 2,653.73 | -650.00 | 2,649.95 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.60 | 360.00 | 7,245.89 | 2,753.73 | -650.00 | 2,749.94 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.60 | 360.00 | 7,244.85 | 2,853.72 | -650.00 | 2,849.93 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.60 | 360.00 | 7,243.80 | 2,953.72 | -650.00 | 2,949.93 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.60 | 360.00 | 7,242.75 | 3,053.71 | -650.00 | 3,049.92 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.60 | 360.00 | 7,241.71 | 3,153.71 | -650.00 | 3,149.91 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.60 | 360.00 | 7,240.66 | 3,253.70 | -650.00 | 3,249.90 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.60 | 360.00 | 7,239.61 | 3,353.70 | -650.00 | 3,349.90 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.60 | 360.00 | 7,238.56 | 3,453.69 | -650.00 | 3,449.89 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.60 | 360.00 | 7,237.52 | 3,553.69 | -650.00 | 3,549.88 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.60 | 360.00 | 7,236.47 | 3,653.68 | -650.00 | 3,649.88 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.60 | 360.00 | 7,235.42 | 3,753.67 | -650.00 | 3,749.87 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.60 | 360.00 | 7,234.38 | 3,853.67 | -650.00 | 3,849.86 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.60 | 360.00 | 7,233.33 | 3,953.66 | -650.00 | 3,949.85 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.60 | 360.00 | 7,232.28 | 4,053.66 | -650.00 | 4,049.85 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.60 | 360.00 | 7,231.23 | 4,153.65 | -650.00 | 4,149.84 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.60 | 360.00 | 7,230.19 | 4,253.65 | -650.00 | 4,249.83 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.60 | 360.00 | 7,229.14 | 4,353.64 | -650.00 | 4,349.83 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.60 | 360.00 | 7,228.09 | 4,453.64 | -650.00 | 4,449.82 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.60 | 360.00 | 7,227.05 | 4,553.63 | -650.00 | 4,549.81 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.60 | 360.00 | 7,226.00 | 4,653.63 | -650.00 | 4,649.80 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.60 | 360.00 | 7,224.95 | 4,753.62 | -650.00 | 4,749.80 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.60 | 360.00 | 7,223.90 | 4,853.61 | -650.00 | 4,849.79 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.60 | 360.00 | 7,222.86 | 4,953.61 | -650.00 | 4,949.78 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.60 | 360.00 | 7,221.81 | 5,053.60 | -650.00 | 5,049.78 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.60 | 360.00 | 7,220.76 | 5,153.60 | -650.00 | 5,149.77 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.60 | 360.00 | 7,219.72 | 5,253.59 | -650.00 | 5,249.76 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.60 | 360.00 | 7,218.67 | 5,353.59 | -650.00 | 5,349.75 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.60 | 360.00 | 7,217.62 | 5,453.58 | -650.00 | 5,449.75 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.60 | 360.00 | 7,216.57 | 5,553.58 | -650.00 | 5,549.74 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.60 | 360.00 | 7,215.53 | 5,653.57 | -650.00 | 5,649.73 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 90.60 | 360.00 | 7,214.48 | 5,753.57 | -650.00 | 5,749.73 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 90.60 | 360.00 | 7,213.43 | 5,853.56 | -650.00 | 5,849.72 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 90.60 | 360.00 | 7,212.39 | 5,953.55 | -650.00 | 5,949.71 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 90.60 | 360.00 | 7,211.34 | 6,053.55 | -650.00 | 6,049.70 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 90.60 | 360.00 | 7,210.29 | 6,153.54 | -650.00 | 6,149.70 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.60 | 360.00 | 7,209.24 | 6,253.54 | -650.00 | 6,249.69 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 90.60 | 360.00 | 7,208.20 | 6,353.53 | -650.00 | 6,349.68 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.60 | 360.00 | 7,207.15 | 6,453.53 | -650.00 | 6,449.68 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.60 | 360.00 | 7,206.10 | 6,553.52 | -650.00 | 6,549.67 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 90.60 | 360.00 | 7,205.05 | 6,653.52 | -650.00 | 6,649.66 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.60 | 360.00 | 7,204.01 | 6,753.51 | -650.00 | 6,749.65 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 90.60 | 360.00 | 7,202.96 | 6,853.50 | -650.00 | 6,849.65 | 0.00 | 0.00 | 0.00 |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|---------------------------------|
| Database: | PLANNING | Local Co-ordinate Reference: | Well CAMENISCH STATE 23N-34HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Site: | 2N-68W-15 Camenisch 7-15 Pad | North Reference: | True |
| Well: | CAMENISCH STATE 23N-34HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-2 | | |

| 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) | |
| 14,000.00 | 90.60 | 360.00 | 7,201.91 | 6,953.50 | -650.00 | 6,949.64 | 0.00 | 0.00 | 0.00 | |
| 14,100.00 | 90.60 | 360.00 | 7,200.87 | 7,053.49 | -650.00 | 7,049.63 | 0.00 | 0.00 | 0.00 | |
| 14,200.00 | 90.60 | 360.00 | 7,199.82 | 7,153.49 | -650.00 | 7,149.63 | 0.00 | 0.00 | 0.00 | |
| 14,300.00 | 90.60 | 360.00 | 7,198.77 | 7,253.48 | -650.00 | 7,249.62 | 0.00 | 0.00 | 0.00 | |
| 14,400.00 | 90.60 | 360.00 | 7,197.72 | 7,353.48 | -650.00 | 7,349.61 | 0.00 | 0.00 | 0.00 | |
| 14,500.00 | 90.60 | 360.00 | 7,196.68 | 7,453.47 | -650.00 | 7,449.60 | 0.00 | 0.00 | 0.00 | |
| 14,600.00 | 90.60 | 360.00 | 7,195.63 | 7,553.47 | -650.00 | 7,549.60 | 0.00 | 0.00 | 0.00 | |
| 14,700.00 | 90.60 | 360.00 | 7,194.58 | 7,653.46 | -650.00 | 7,649.59 | 0.00 | 0.00 | 0.00 | |
| 14,800.00 | 90.60 | 360.00 | 7,193.54 | 7,753.46 | -650.00 | 7,749.58 | 0.00 | 0.00 | 0.00 | |
| 14,900.00 | 90.60 | 360.00 | 7,192.49 | 7,853.45 | -650.00 | 7,849.58 | 0.00 | 0.00 | 0.00 | |
| 15,000.00 | 90.60 | 360.00 | 7,191.44 | 7,953.44 | -650.00 | 7,949.57 | 0.00 | 0.00 | 0.00 | |
| 15,100.00 | 90.60 | 360.00 | 7,190.39 | 8,053.44 | -650.00 | 8,049.56 | 0.00 | 0.00 | 0.00 | |
| 15,200.00 | 90.60 | 360.00 | 7,189.35 | 8,153.43 | -650.00 | 8,149.55 | 0.00 | 0.00 | 0.00 | |
| 15,300.00 | 90.60 | 360.00 | 7,188.30 | 8,253.43 | -650.00 | 8,249.55 | 0.00 | 0.00 | 0.00 | |
| 15,400.00 | 90.60 | 360.00 | 7,187.25 | 8,353.42 | -650.00 | 8,349.54 | 0.00 | 0.00 | 0.00 | |
| 15,500.00 | 90.60 | 360.00 | 7,186.21 | 8,453.42 | -650.00 | 8,449.53 | 0.00 | 0.00 | 0.00 | |
| 15,600.00 | 90.60 | 360.00 | 7,185.16 | 8,553.41 | -650.00 | 8,549.53 | 0.00 | 0.00 | 0.00 | |
| 15,700.00 | 90.60 | 360.00 | 7,184.11 | 8,653.41 | -650.00 | 8,649.52 | 0.00 | 0.00 | 0.00 | |
| 15,800.00 | 90.60 | 360.00 | 7,183.06 | 8,753.40 | -650.00 | 8,749.51 | 0.00 | 0.00 | 0.00 | |
| 15,900.00 | 90.60 | 360.00 | 7,182.02 | 8,853.40 | -650.00 | 8,849.50 | 0.00 | 0.00 | 0.00 | |
| 16,000.00 | 90.60 | 360.00 | 7,180.97 | 8,953.39 | -650.00 | 8,949.50 | 0.00 | 0.00 | 0.00 | |
| 16,100.00 | 90.60 | 360.00 | 7,179.92 | 9,053.38 | -650.00 | 9,049.49 | 0.00 | 0.00 | 0.00 | |
| 16,200.00 | 90.60 | 360.00 | 7,178.88 | 9,153.38 | -650.00 | 9,149.48 | 0.00 | 0.00 | 0.00 | |
| 16,300.00 | 90.60 | 360.00 | 7,177.83 | 9,253.37 | -650.00 | 9,249.48 | 0.00 | 0.00 | 0.00 | |
| 16,400.00 | 90.60 | 360.00 | 7,176.78 | 9,353.37 | -650.00 | 9,349.47 | 0.00 | 0.00 | 0.00 | |
| 16,500.00 | 90.60 | 360.00 | 7,175.73 | 9,453.36 | -650.00 | 9,449.46 | 0.00 | 0.00 | 0.00 | |
| 16,600.00 | 90.60 | 360.00 | 7,174.69 | 9,553.36 | -650.00 | 9,549.45 | 0.00 | 0.00 | 0.00 | |
| 16,700.00 | 90.60 | 360.00 | 7,173.64 | 9,653.35 | -650.00 | 9,649.45 | 0.00 | 0.00 | 0.00 | |
| 16,800.00 | 90.60 | 360.00 | 7,172.59 | 9,753.35 | -650.00 | 9,749.44 | 0.00 | 0.00 | 0.00 | |
| 16,900.00 | 90.60 | 360.00 | 7,171.55 | 9,853.34 | -650.00 | 9,849.43 | 0.00 | 0.00 | 0.00 | |
| 17,000.00 | 90.60 | 360.00 | 7,170.50 | 9,953.33 | -650.00 | 9,949.43 | 0.00 | 0.00 | 0.00 | |
| 17,100.00 | 90.60 | 360.00 | 7,169.45 | 10,053.33 | -650.00 | 10,049.42 | 0.00 | 0.00 | 0.00 | |
| 17,200.00 | 90.60 | 360.00 | 7,168.40 | 10,153.32 | -650.00 | 10,149.41 | 0.00 | 0.00 | 0.00 | |
| 17,300.00 | 90.60 | 360.00 | 7,167.36 | 10,253.32 | -650.00 | 10,249.40 | 0.00 | 0.00 | 0.00 | |
| 17,400.00 | 90.60 | 360.00 | 7,166.31 | 10,353.31 | -650.00 | 10,349.40 | 0.00 | 0.00 | 0.00 | |
| 17,500.00 | 90.60 | 360.00 | 7,165.26 | 10,453.31 | -650.00 | 10,449.39 | 0.00 | 0.00 | 0.00 | |
| 17,600.00 | 90.60 | 360.00 | 7,164.21 | 10,553.30 | -650.00 | 10,549.38 | 0.00 | 0.00 | 0.00 | |
| 17,700.00 | 90.60 | 360.00 | 7,163.17 | 10,653.30 | -650.00 | 10,649.38 | 0.00 | 0.00 | 0.00 | |
| 17,800.00 | 90.60 | 360.00 | 7,162.12 | 10,753.29 | -650.00 | 10,749.37 | 0.00 | 0.00 | 0.00 | |
| 17,900.00 | 90.60 | 360.00 | 7,161.07 | 10,853.29 | -650.00 | 10,849.36 | 0.00 | 0.00 | 0.00 | |
| 18,000.00 | 90.60 | 360.00 | 7,160.03 | 10,953.28 | -650.00 | 10,949.35 | 0.00 | 0.00 | 0.00 | |
| 18,100.00 | 90.60 | 360.00 | 7,158.98 | 11,053.27 | -650.00 | 11,049.35 | 0.00 | 0.00 | 0.00 | |
| 18,200.00 | 90.60 | 360.00 | 7,157.93 | 11,153.27 | -650.00 | 11,149.34 | 0.00 | 0.00 | 0.00 | |
| 18,300.00 | 90.60 | 360.00 | 7,156.88 | 11,253.26 | -650.00 | 11,249.33 | 0.00 | 0.00 | 0.00 | |
| 18,400.00 | 90.60 | 360.00 | 7,155.84 | 11,353.26 | -650.00 | 11,349.33 | 0.00 | 0.00 | 0.00 | |
| 18,500.00 | 90.60 | 360.00 | 7,154.79 | 11,453.25 | -650.00 | 11,449.32 | 0.00 | 0.00 | 0.00 | |
| 18,600.00 | 90.60 | 360.00 | 7,153.74 | 11,553.25 | -650.00 | 11,549.31 | 0.00 | 0.00 | 0.00 | |
| 18,700.00 | 90.60 | 360.00 | 7,152.70 | 11,653.24 | -650.00 | 11,649.30 | 0.00 | 0.00 | 0.00 | |
| 18,800.00 | 90.60 | 360.00 | 7,151.65 | 11,753.24 | -650.00 | 11,749.30 | 0.00 | 0.00 | 0.00 | |
| 18,900.00 | 90.60 | 360.00 | 7,150.60 | 11,853.23 | -650.00 | 11,849.29 | 0.00 | 0.00 | 0.00 | |
| 19,000.00 | 90.60 | 360.00 | 7,149.55 | 11,953.23 | -650.00 | 11,949.28 | 0.00 | 0.00 | 0.00 | |
| 19,100.00 | 90.60 | 360.00 | 7,148.51 | 12,053.22 | -650.00 | 12,049.28 | 0.00 | 0.00 | 0.00 | |
| 19,200.00 | 90.60 | 360.00 | 7,147.46 | 12,153.21 | -650.00 | 12,149.27 | 0.00 | 0.00 | 0.00 | |
| 19,300.00 | 90.60 | 360.00 | 7,146.41 | 12,253.21 | -650.00 | 12,249.26 | 0.00 | 0.00 | 0.00 | |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|---------------------------------|
| Database: | PLANNING | Local Co-ordinate Reference: | Well CAMENISCH STATE 23N-34HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Site: | 2N-68W-15 Camenisch 7-15 Pad | North Reference: | True |
| Well: | CAMENISCH STATE 23N-34HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-2 | | |

| 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) | |
| 19,400.00 | 90.60 | 360.00 | 7,145.37 | 12,353.20 | -650.00 | 12,349.25 | 0.00 | 0.00 | 0.00 | |
| 19,500.00 | 90.60 | 360.00 | 7,144.32 | 12,453.20 | -650.00 | 12,449.25 | 0.00 | 0.00 | 0.00 | |
| 19,600.00 | 90.60 | 360.00 | 7,143.27 | 12,553.19 | -650.00 | 12,549.24 | 0.00 | 0.00 | 0.00 | |
| 19,700.00 | 90.60 | 360.00 | 7,142.22 | 12,653.19 | -650.00 | 12,649.23 | 0.00 | 0.00 | 0.00 | |
| 19,800.00 | 90.60 | 360.00 | 7,141.18 | 12,753.18 | -650.00 | 12,749.23 | 0.00 | 0.00 | 0.00 | |
| 19,900.00 | 90.60 | 360.00 | 7,140.13 | 12,853.18 | -650.00 | 12,849.22 | 0.00 | 0.00 | 0.00 | |
| 20,000.00 | 90.60 | 360.00 | 7,139.08 | 12,953.17 | -650.00 | 12,949.21 | 0.00 | 0.00 | 0.00 | |
| 20,100.00 | 90.60 | 360.00 | 7,138.04 | 13,053.16 | -650.00 | 13,049.20 | 0.00 | 0.00 | 0.00 | |
| 20,200.00 | 90.60 | 360.00 | 7,136.99 | 13,153.16 | -650.00 | 13,149.20 | 0.00 | 0.00 | 0.00 | |
| 20,300.00 | 90.60 | 360.00 | 7,135.94 | 13,253.15 | -650.00 | 13,249.19 | 0.00 | 0.00 | 0.00 | |
| 20,400.00 | 90.60 | 360.00 | 7,134.89 | 13,353.15 | -650.00 | 13,349.18 | 0.00 | 0.00 | 0.00 | |
| 20,500.00 | 90.60 | 360.00 | 7,133.85 | 13,453.14 | -650.00 | 13,449.18 | 0.00 | 0.00 | 0.00 | |
| 20,600.00 | 90.60 | 360.00 | 7,132.80 | 13,553.14 | -650.00 | 13,549.17 | 0.00 | 0.00 | 0.00 | |
| 20,700.00 | 90.60 | 360.00 | 7,131.75 | 13,653.13 | -650.00 | 13,649.16 | 0.00 | 0.00 | 0.00 | |
| 20,800.00 | 90.60 | 360.00 | 7,130.71 | 13,753.13 | -650.00 | 13,749.15 | 0.00 | 0.00 | 0.00 | |
| 20,900.00 | 90.60 | 360.00 | 7,129.66 | 13,853.12 | -650.00 | 13,849.15 | 0.00 | 0.00 | 0.00 | |
| 21,000.00 | 90.60 | 360.00 | 7,128.61 | 13,953.12 | -650.00 | 13,949.14 | 0.00 | 0.00 | 0.00 | |
| 21,100.00 | 90.60 | 360.00 | 7,127.56 | 14,053.11 | -650.00 | 14,049.13 | 0.00 | 0.00 | 0.00 | |
| 21,200.00 | 90.60 | 360.00 | 7,126.52 | 14,153.10 | -650.00 | 14,149.13 | 0.00 | 0.00 | 0.00 | |
| 21,249.30 | 90.60 | 360.00 | 7,126.00 | 14,202.40 | -650.00 | 14,198.42 | 0.00 | 0.00 | 0.00 | |
| CAMENISCH STATE 23N-34HZ_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 | | | | | | | | | |
| CAMENISCH STATE | 0.00 | 0.00 | 7,126.00 | 14,202.40 | -650.00 | 14,591,909.00 | 1,643,138.60 | 40.178982 | -104.990255 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| CAMENISCH STATE | 0.00 | 0.00 | 7,268.00 | 643.29 | -650.00 | 14,578,349.89 | 1,643,140.44 | 40.141747 | -104.990254 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|-------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,508.10 | 1,500.00 | 9 5/8" | 9-5/8 | 13-1/2 | |
| 7,689.44 | 7,268.00 | Top of Production | 5-1/2 | 8-1/2 | |

Corporate Planning Report

| | | | |
|------------------|--------------------------------|-------------------------------------|---------------------------------|
| Database: | PLANNING | Local Co-ordinate Reference: | Well CAMENISCH STATE 23N-34HZ |
| Company: | US ROCKIES WATTENBERG PLANNING | TVD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Project: | WELD-NAD83-UTMFT13N | MD Reference: | RKB = 17' @ 4893.00usft (D Rig) |
| Site: | 2N-68W-15 Camenisch 7-15 Pad | North Reference: | True |
| Well: | CAMENISCH STATE 23N-34HZ | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Permit Rev-2 | | |

| Formations | | | | | | |
|-----------------------|-----------------------|----------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 749.18 | 749.00 | Fox Hills Mkr | | | | |
| 3,826.26 | 3,786.00 | Parkman | | | | |
| 4,573.12 | 4,523.00 | Sussex | | | | |
| 7,168.00 | 7,071.00 | Sharon Springs | | | | |
| 7,311.86 | 7,163.00 | Niobrara | | | | |
| 7,455.81 | 7,228.00 | Nio B | | | | |