

US ROCKIES WATTENBERG PLANNING

WELD-NAD83-UTMFT13N

1N-66W-26 BEIERLE 2-26HZ PAD

BEIERLE 26-1HZ

Plan A

Plan: Permit Rev-2

SHL Lat/Long: 40.028609/-104.741349

Survey Program: MWD+IFR

Standard Planning Report

12 August, 2018

Project: WELD-NAD83-UTMFT13N
Site: 1N-66W-26 BEIERLE 2-26HZ PAD
Well: BEIERLE 26-1HZ
Wellbore: Plan A
Design: Permit Rev-2

US ROCKIES WATTENBERG PLANNING

CASING DETAILS

TVD	MD	Size
1500.00	1522.84	9-5/8
7519.00	8086.41	5-1/2

WELL DETAILS: BEIERLE 26-1HZ

GL = 5118'

RKB = 17' @ 5135.00usft (Drilling Rig)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	
3	1402.00	17.28	332.50	1384.62	152.92	-79.61	1.50	332.50	-152.76	
4	4202.00	17.28	332.50	4058.24	890.67	-463.65	0.00	0.00	-889.69	
5	5066.00	0.00	0.00	4909.20	1005.36	-523.36	2.00	180.00	-1004.26	
6	6959.61	0.00	0.00	6802.81	1005.36	-523.36	0.00	0.00	-1004.26	
7	8086.41	90.14	180.12	7519.00	287.36	-524.87	8.00	180.12	-286.26	
8	12852.57	90.14	180.12	7507.00	-4478.77	-534.94	0.00	0.00	4479.88	BEIERLE 26-1HZ_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
BEIERLE 26-1HZ_SHL	0.00	0.00	0.00	40.028609	-104.741349
BEIERLE 26-1HZ_BHL	7507.00	-4478.77	-534.94	40.016310	-104.743260

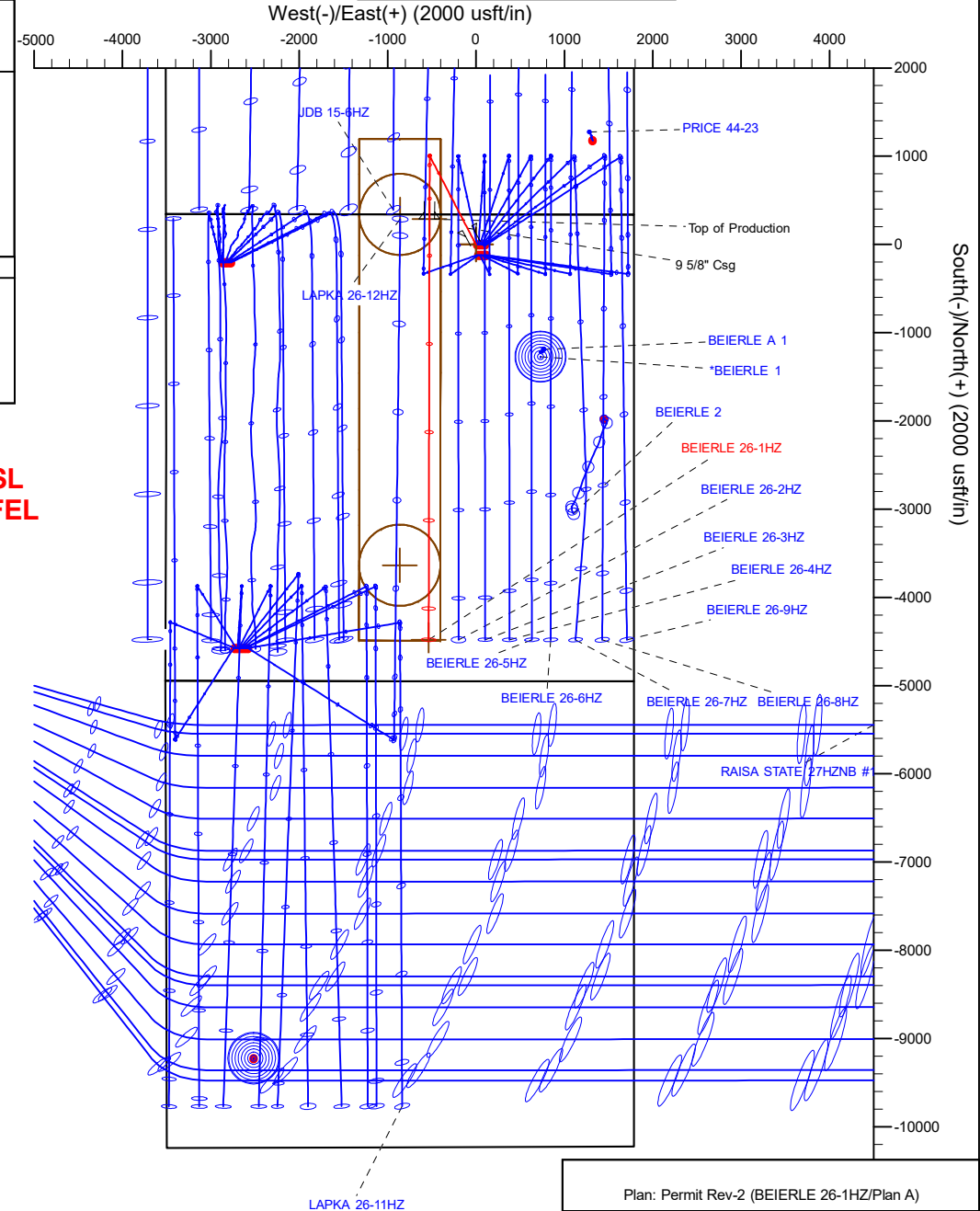
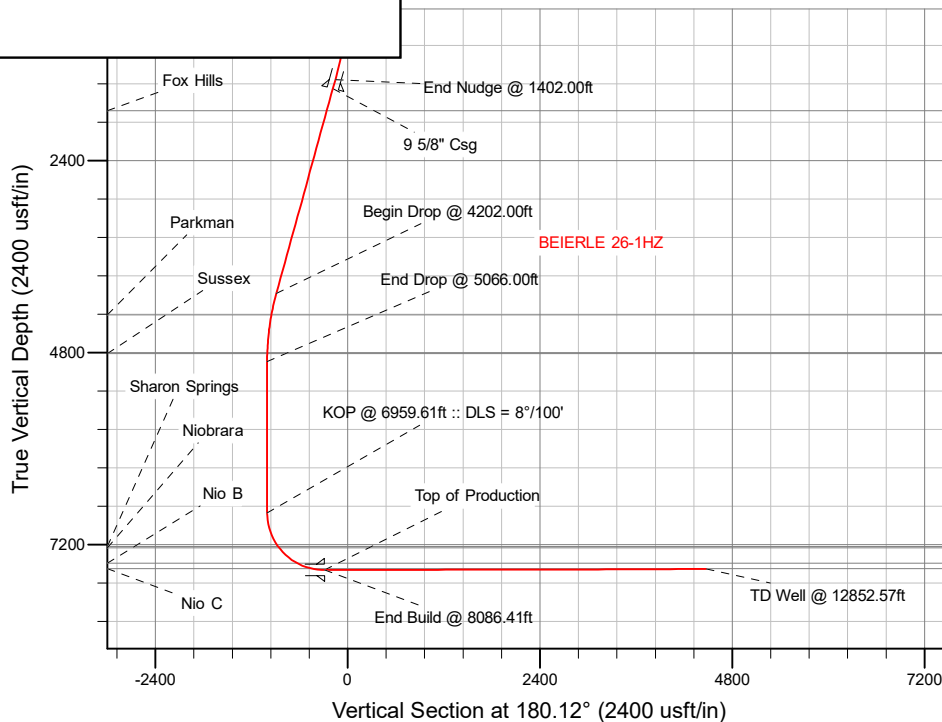
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1775.00	1810.84	Fox Hills
4327.00	4479.72	Parkman
4811.00	4967.78	Sussex
7225.00	7411.12	Sharon Springs
7240.00	7429.87	Niobrara
7435.00	7734.24	Nio B
7503.00	7932.92	Nio C

SHL
340' FNL
1789' FEL

HEEL
52' FNL
2313' FEL

TOE
470' FSL
2324' FEL



Plan: Permit Rev-2 (BEIERLE 26-1HZ/Plan A)

Date: 8/12/2018

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well BEIERLE 26-1HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Site:	1N-66W-26 BEIERLE 2-26HZ PAD	North Reference:	True
Well:	BEIERLE 26-1HZ	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	1N-66W-26 BEIERLE 2-26HZ PAD			
Site Position:		Northing:	14,537,256.31 usft	Latitude: 40.028609
From:	Lat/Long	Easting:	1,712,821.93 usft	Longitude: -104.741349
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.17 °

Well	BEIERLE 26-1HZ			
Well Position	+N/-S	0.00 usft	Northing:	14,537,256.31 usft
	+E/-W	0.00 usft	Easting:	1,712,821.93 usft
Position Uncertainty	3.28 usft	Wellhead Elevation:		Ground Level: 5,118.00 usft

Wellbore	Plan A				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/23/2018	8.09	66.54	52,111.84817338

Design	Permit Rev-2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	180.12

Plan Survey Tool Program	Date	8/12/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	1,500.00	Permit Rev-2 (Plan A)	APC_ISCWSA REV 2 MWD+II Fixed:v2:crustal field declinatio
2	1,500.00	12,852.57	Permit Rev-2 (Plan A)	APC_ISCWSA REV 2 MWD+II Fixed:v2:crustal field declinatio

Corporate
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Site:	1N-66W-26 BEIERLE 2-26HZ PAD	North Reference:	True
Well:	BEIERLE 26-1HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-2		

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	
1,402.00	17.28	332.50	1,384.62	152.92	-79.61	1.50	1.50	0.00	332.50	
4,202.00	17.28	332.50	4,058.24	890.67	-463.65	0.00	0.00	0.00	0.00	
5,066.00	0.00	0.00	4,909.20	1,005.36	-523.36	2.00	-2.00	0.00	180.00	
6,959.61	0.00	0.00	6,802.81	1,005.36	-523.36	0.00	0.00	0.00	0.00	
8,086.41	90.14	180.12	7,519.00	287.36	-524.87	8.00	8.00	-15.96	180.12	
12,852.57	90.14	180.12	7,507.00	-4,478.77	-534.94	0.00	0.00	0.00	0.00	BEIERLE 26-1HZ_BH

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well BEIERLE 26-1HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Site:	1N-66W-26 BEIERLE 2-26HZ PAD	North Reference:	True
Well:	BEIERLE 26-1HZ	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)
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
Begin Nudge @ 250.00ft									
300.00	0.75	332.50	300.00	0.29	-0.15	-0.29	1.50	1.50	0.00
400.00	2.25	332.50	399.96	2.61	-1.36	-2.61	1.50	1.50	0.00
500.00	3.75	332.50	499.82	7.25	-3.78	-7.25	1.50	1.50	0.00
600.00	5.25	332.50	599.51	14.21	-7.40	-14.20	1.50	1.50	0.00
700.00	6.75	332.50	698.96	23.48	-12.23	-23.46	1.50	1.50	0.00
800.00	8.25	332.50	798.10	35.06	-18.25	-35.02	1.50	1.50	0.00
900.00	9.75	332.50	896.87	48.94	-25.48	-48.88	1.50	1.50	0.00
1,000.00	11.25	332.50	995.19	65.10	-33.89	-65.03	1.50	1.50	0.00
1,100.00	12.75	332.50	1,093.00	83.54	-43.49	-83.45	1.50	1.50	0.00
1,200.00	14.25	332.50	1,190.24	104.25	-54.27	-104.14	1.50	1.50	0.00
1,300.00	15.75	332.50	1,286.83	127.21	-66.22	-127.07	1.50	1.50	0.00
1,400.00	17.25	332.50	1,382.71	152.40	-79.33	-152.23	1.50	1.50	0.00
1,402.00	17.28	332.50	1,384.62	152.92	-79.61	-152.76	1.50	1.50	0.00
End Nudge @ 1402.00ft									
1,500.00	17.28	332.50	1,478.19	178.75	-93.05	-178.55	0.00	0.00	0.00
1,522.84	17.28	332.50	1,500.00	184.76	-96.18	-184.56	0.00	0.00	0.00
9 5/8" Csg									
1,600.00	17.28	332.50	1,573.68	205.09	-106.77	-204.87	0.00	0.00	0.00
1,700.00	17.28	332.50	1,669.16	231.44	-120.48	-231.19	0.00	0.00	0.00
1,800.00	17.28	332.50	1,764.65	257.79	-134.20	-257.51	0.00	0.00	0.00
1,810.84	17.28	332.50	1,775.00	260.65	-135.68	-260.36	0.00	0.00	0.00
Fox Hills									
1,900.00	17.28	332.50	1,860.14	284.14	-147.91	-283.83	0.00	0.00	0.00
2,000.00	17.28	332.50	1,955.62	310.49	-161.63	-310.15	0.00	0.00	0.00
2,100.00	17.28	332.50	2,051.11	336.83	-175.34	-336.47	0.00	0.00	0.00
2,200.00	17.28	332.50	2,146.60	363.18	-189.06	-362.78	0.00	0.00	0.00
2,300.00	17.28	332.50	2,242.08	389.53	-202.78	-389.10	0.00	0.00	0.00
2,400.00	17.28	332.50	2,337.57	415.88	-216.49	-415.42	0.00	0.00	0.00
2,500.00	17.28	332.50	2,433.06	442.22	-230.21	-441.74	0.00	0.00	0.00
2,600.00	17.28	332.50	2,528.54	468.57	-243.92	-468.06	0.00	0.00	0.00
2,700.00	17.28	332.50	2,624.03	494.92	-257.64	-494.38	0.00	0.00	0.00
2,800.00	17.28	332.50	2,719.52	521.27	-271.36	-520.70	0.00	0.00	0.00
2,900.00	17.28	332.50	2,815.00	547.62	-285.07	-547.02	0.00	0.00	0.00
3,000.00	17.28	332.50	2,910.49	573.96	-298.79	-573.34	0.00	0.00	0.00
3,100.00	17.28	332.50	3,005.98	600.31	-312.50	-599.66	0.00	0.00	0.00
3,200.00	17.28	332.50	3,101.46	626.66	-326.22	-625.98	0.00	0.00	0.00
3,300.00	17.28	332.50	3,196.95	653.01	-339.93	-652.29	0.00	0.00	0.00
3,400.00	17.28	332.50	3,292.43	679.36	-353.65	-678.61	0.00	0.00	0.00
3,500.00	17.28	332.50	3,387.92	705.70	-367.37	-704.93	0.00	0.00	0.00
3,600.00	17.28	332.50	3,483.41	732.05	-381.08	-731.25	0.00	0.00	0.00
3,700.00	17.28	332.50	3,578.89	758.40	-394.80	-757.57	0.00	0.00	0.00
3,800.00	17.28	332.50	3,674.38	784.75	-408.51	-783.89	0.00	0.00	0.00
3,900.00	17.28	332.50	3,769.87	811.10	-422.23	-810.21	0.00	0.00	0.00
4,000.00	17.28	332.50	3,865.35	837.44	-435.95	-836.53	0.00	0.00	0.00
4,100.00	17.28	332.50	3,960.84	863.79	-449.66	-862.85	0.00	0.00	0.00
4,200.00	17.28	332.50	4,056.33	890.14	-463.38	-889.17	0.00	0.00	0.00
4,202.00	17.28	332.50	4,058.24	890.67	-463.65	-889.69	0.00	0.00	0.00
Begin Drop @ 4202.00ft									
4,300.00	15.32	332.50	4,152.29	915.06	-476.35	-914.06	2.00	-2.00	0.00

Corporate Planning Report

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Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Site:	1N-66W-26 BEIERLE 2-26HZ PAD	North Reference:	True
Well:	BEIERLE 26-1HZ	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)
4,400.00	13.32	332.50	4,249.18	937.00	-487.77	-935.98	2.00	-2.00	0.00
4,479.72	11.73	332.50	4,327.00	952.33	-495.75	-951.29	2.00	-2.00	0.00
Parkman									
4,500.00	11.32	332.50	4,346.87	955.93	-497.62	-954.88	2.00	-2.00	0.00
4,600.00	9.32	332.50	4,445.25	971.82	-505.90	-970.75	2.00	-2.00	0.00
4,700.00	7.32	332.50	4,544.19	984.65	-512.58	-983.57	2.00	-2.00	0.00
4,800.00	5.32	332.50	4,643.58	994.41	-517.66	-993.33	2.00	-2.00	0.00
4,900.00	3.32	332.50	4,743.29	1,001.10	-521.14	-1,000.00	2.00	-2.00	0.00
4,967.78	1.96	332.50	4,811.00	1,003.87	-522.58	-1,002.77	2.00	-2.00	0.00
Sussex									
5,000.00	1.32	332.50	4,843.20	1,004.69	-523.01	-1,003.59	2.00	-2.00	0.00
5,066.00	0.00	0.00	4,909.20	1,005.36	-523.36	-1,004.26	2.00	-2.00	0.00
End Drop @ 5066.00ft									
5,100.00	0.00	0.00	4,943.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
5,200.00	0.00	0.00	5,043.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
5,300.00	0.00	0.00	5,143.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
5,400.00	0.00	0.00	5,243.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
5,500.00	0.00	0.00	5,343.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
5,600.00	0.00	0.00	5,443.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
5,700.00	0.00	0.00	5,543.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
5,800.00	0.00	0.00	5,643.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
5,900.00	0.00	0.00	5,743.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,000.00	0.00	0.00	5,843.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,100.00	0.00	0.00	5,943.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,200.00	0.00	0.00	6,043.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,300.00	0.00	0.00	6,143.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,400.00	0.00	0.00	6,243.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,500.00	0.00	0.00	6,343.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,600.00	0.00	0.00	6,443.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,700.00	0.00	0.00	6,543.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,800.00	0.00	0.00	6,643.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,900.00	0.00	0.00	6,743.20	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
6,959.61	0.00	0.00	6,802.81	1,005.36	-523.36	-1,004.26	0.00	0.00	0.00
KOP @ 6959.61ft :: DLS = 8°/100'									
7,000.00	3.23	180.12	6,843.18	1,004.22	-523.36	-1,003.12	8.00	8.00	0.00
7,100.00	11.23	180.12	6,942.30	991.64	-523.39	-990.55	8.00	8.00	0.00
7,200.00	19.23	180.12	7,038.71	965.39	-523.44	-964.30	8.00	8.00	0.00
7,300.00	27.23	180.12	7,130.53	925.98	-523.52	-924.88	8.00	8.00	0.00
7,400.00	35.23	180.12	7,215.97	874.18	-523.63	-873.08	8.00	8.00	0.00
7,411.12	36.12	180.12	7,225.00	867.69	-523.65	-866.59	8.00	8.00	0.00
Sharon Springs									
7,429.87	37.62	180.12	7,240.00	856.44	-523.67	-855.34	8.00	8.00	0.00
Niobrara									
7,500.00	43.23	180.12	7,293.36	810.98	-523.77	-809.88	8.00	8.00	0.00
7,600.00	51.23	180.12	7,361.21	737.63	-523.92	-736.53	8.00	8.00	0.00
7,700.00	59.23	180.12	7,418.19	655.55	-524.10	-654.45	8.00	8.00	0.00
7,734.24	61.97	180.12	7,435.00	625.72	-524.16	-624.62	8.00	8.00	0.00
Nio B									
7,800.00	67.23	180.12	7,463.19	566.34	-524.28	-565.24	8.00	8.00	0.00
7,900.00	75.23	180.12	7,495.34	471.74	-524.48	-470.64	8.00	8.00	0.00
7,932.92	77.86	180.12	7,503.00	439.73	-524.55	-438.63	8.00	8.00	0.00
Nio C									
8,000.00	83.23	180.12	7,514.01	373.58	-524.69	-372.48	8.00	8.00	0.00

Planning Report

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Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Site:	1N-66W-26 BEIERLE 2-26HZ PAD	North Reference:	True
Well:	BEIERLE 26-1HZ	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)
8,086.41	90.14	180.12	7,519.00	287.36	-524.87	-286.26	8.00	8.00	0.00
End Build @ 8086.41ft - Top of Production									
8,100.00	90.14	180.12	7,518.97	273.77	-524.90	-272.67	0.00	0.00	0.00
8,200.00	90.14	180.12	7,518.72	173.77	-525.11	-172.67	0.00	0.00	0.00
8,300.00	90.14	180.12	7,518.46	73.78	-525.32	-72.68	0.00	0.00	0.00
8,400.00	90.14	180.12	7,518.21	-26.22	-525.54	27.32	0.00	0.00	0.00
8,500.00	90.14	180.12	7,517.96	-126.22	-525.75	127.32	0.00	0.00	0.00
8,600.00	90.14	180.12	7,517.71	-226.22	-525.96	227.32	0.00	0.00	0.00
8,700.00	90.14	180.12	7,517.46	-326.22	-526.17	327.32	0.00	0.00	0.00
8,800.00	90.14	180.12	7,517.21	-426.22	-526.38	427.32	0.00	0.00	0.00
8,900.00	90.14	180.12	7,516.95	-526.22	-526.59	527.32	0.00	0.00	0.00
9,000.00	90.14	180.12	7,516.70	-626.22	-526.80	627.32	0.00	0.00	0.00
9,100.00	90.14	180.12	7,516.45	-726.22	-527.01	727.32	0.00	0.00	0.00
9,200.00	90.14	180.12	7,516.20	-826.22	-527.22	827.32	0.00	0.00	0.00
9,300.00	90.14	180.12	7,515.95	-926.22	-527.44	927.32	0.00	0.00	0.00
9,400.00	90.14	180.12	7,515.69	-1,026.22	-527.65	1,027.32	0.00	0.00	0.00
9,500.00	90.14	180.12	7,515.44	-1,126.22	-527.86	1,127.32	0.00	0.00	0.00
9,600.00	90.14	180.12	7,515.19	-1,226.22	-528.07	1,227.32	0.00	0.00	0.00
9,700.00	90.14	180.12	7,514.94	-1,326.22	-528.28	1,327.32	0.00	0.00	0.00
9,800.00	90.14	180.12	7,514.69	-1,426.22	-528.49	1,427.32	0.00	0.00	0.00
9,900.00	90.14	180.12	7,514.44	-1,526.22	-528.70	1,527.32	0.00	0.00	0.00
10,000.00	90.14	180.12	7,514.18	-1,626.22	-528.91	1,627.32	0.00	0.00	0.00
10,100.00	90.14	180.12	7,513.93	-1,726.21	-529.12	1,727.32	0.00	0.00	0.00
10,200.00	90.14	180.12	7,513.68	-1,826.21	-529.34	1,827.32	0.00	0.00	0.00
10,300.00	90.14	180.12	7,513.43	-1,926.21	-529.55	1,927.32	0.00	0.00	0.00
10,400.00	90.14	180.12	7,513.18	-2,026.21	-529.76	2,027.32	0.00	0.00	0.00
10,500.00	90.14	180.12	7,512.92	-2,126.21	-529.97	2,127.32	0.00	0.00	0.00
10,600.00	90.14	180.12	7,512.67	-2,226.21	-530.18	2,227.32	0.00	0.00	0.00
10,700.00	90.14	180.12	7,512.42	-2,326.21	-530.39	2,327.32	0.00	0.00	0.00
10,800.00	90.14	180.12	7,512.17	-2,426.21	-530.60	2,427.32	0.00	0.00	0.00
10,900.00	90.14	180.12	7,511.92	-2,526.21	-530.81	2,527.32	0.00	0.00	0.00
11,000.00	90.14	180.12	7,511.67	-2,626.21	-531.02	2,627.32	0.00	0.00	0.00
11,100.00	90.14	180.12	7,511.41	-2,726.21	-531.24	2,727.32	0.00	0.00	0.00
11,200.00	90.14	180.12	7,511.16	-2,826.21	-531.45	2,827.32	0.00	0.00	0.00
11,300.00	90.14	180.12	7,510.91	-2,926.21	-531.66	2,927.32	0.00	0.00	0.00
11,400.00	90.14	180.12	7,510.66	-3,026.21	-531.87	3,027.32	0.00	0.00	0.00
11,500.00	90.14	180.12	7,510.41	-3,126.21	-532.08	3,127.31	0.00	0.00	0.00
11,600.00	90.14	180.12	7,510.15	-3,226.21	-532.29	3,227.31	0.00	0.00	0.00
11,700.00	90.14	180.12	7,509.90	-3,326.21	-532.50	3,327.31	0.00	0.00	0.00
11,800.00	90.14	180.12	7,509.65	-3,426.21	-532.71	3,427.31	0.00	0.00	0.00
11,900.00	90.14	180.12	7,509.40	-3,526.21	-532.92	3,527.31	0.00	0.00	0.00
12,000.00	90.14	180.12	7,509.15	-3,626.20	-533.14	3,627.31	0.00	0.00	0.00
12,100.00	90.14	180.12	7,508.90	-3,726.20	-533.35	3,727.31	0.00	0.00	0.00
12,200.00	90.14	180.12	7,508.64	-3,826.20	-533.56	3,827.31	0.00	0.00	0.00
12,300.00	90.14	180.12	7,508.39	-3,926.20	-533.77	3,927.31	0.00	0.00	0.00
12,400.00	90.14	180.12	7,508.14	-4,026.20	-533.98	4,027.31	0.00	0.00	0.00
12,500.00	90.14	180.12	7,507.89	-4,126.20	-534.19	4,127.31	0.00	0.00	0.00
12,600.00	90.14	180.12	7,507.64	-4,226.20	-534.40	4,227.31	0.00	0.00	0.00
12,700.00	90.14	180.12	7,507.38	-4,326.20	-534.61	4,327.31	0.00	0.00	0.00
12,800.00	90.14	180.12	7,507.13	-4,426.20	-534.82	4,427.31	0.00	0.00	0.00
12,852.57	90.14	180.12	7,507.00	-4,478.77	-534.94	4,479.88	0.00	0.00	0.00
TD Well @ 12852.57ft									

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well BEIERLE 26-1HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 5135.00usft (Drilling Rig)
Site:	1N-66W-26 BEIERLE 2-26HZ PAD	North Reference:	True
Well:	BEIERLE 26-1HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-2		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,522.84	1,500.00	9 5/8" Csg	9-5/8	13-1/2	
8,086.41	7,519.00	Top of Production	5-1/2	7-7/8	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,810.84	1,775.00	Fox Hills				
4,479.72	4,327.00	Parkman				
4,967.78	4,811.00	Sussex				
7,411.12	7,225.00	Sharon Springs				
7,429.87	7,240.00	Niobrara				
7,734.24	7,435.00	Nio B				
7,932.92	7,503.00	Nio C				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
250.00	250.00	0.00	0.00	Begin Nudge @ 250.00ft	
1,402.00	1,384.62	152.92	-79.61	End Nudge @ 1402.00ft	
4,202.00	4,058.24	890.67	-463.65	Begin Drop @ 4202.00ft	
5,066.00	4,909.20	1,005.36	-523.36	End Drop @ 5066.00ft	
6,959.61	6,802.81	1,005.36	-523.36	KOP @ 6959.61ft :: DLS = 8°/100'	
8,086.41	7,519.00	287.36	-524.87	End Build @ 8086.41ft	
12,852.57	7,507.00	-4,478.77	-534.94	TD Well @ 12852.57ft	