

US ROCKIES WATTENBERG PLANNING

**WELD-NAD83-UTMFT13N
2N-65W-25 Zelda 29-25HZ Pad
ZELDA 25-6HZ**

Plan A

Plan: Permit Rev-1

SHL Latitude/Longitude: 40.115729/-104.617332
Survey Program: MWD+IFR+MSA

Standard Planning Report

21 August, 2017

Project: WELD-NAD83-UTMFT13N
 Site: 2N-65W-25 Zelda 29-25HZ Pad
 Well: ZELDA 25-6HZ
 Wellbore: Plan A
 Design: Permit Rev-1

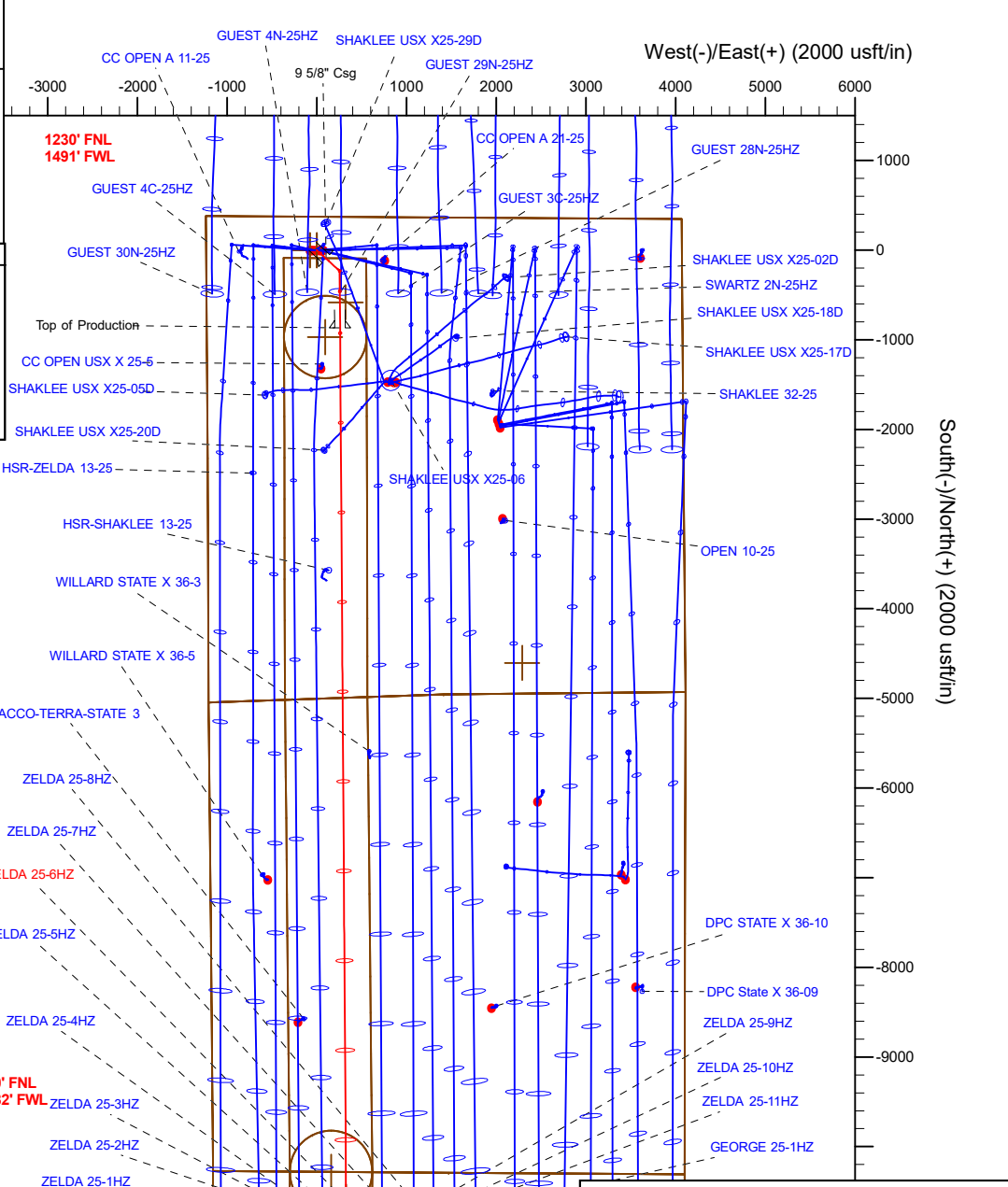
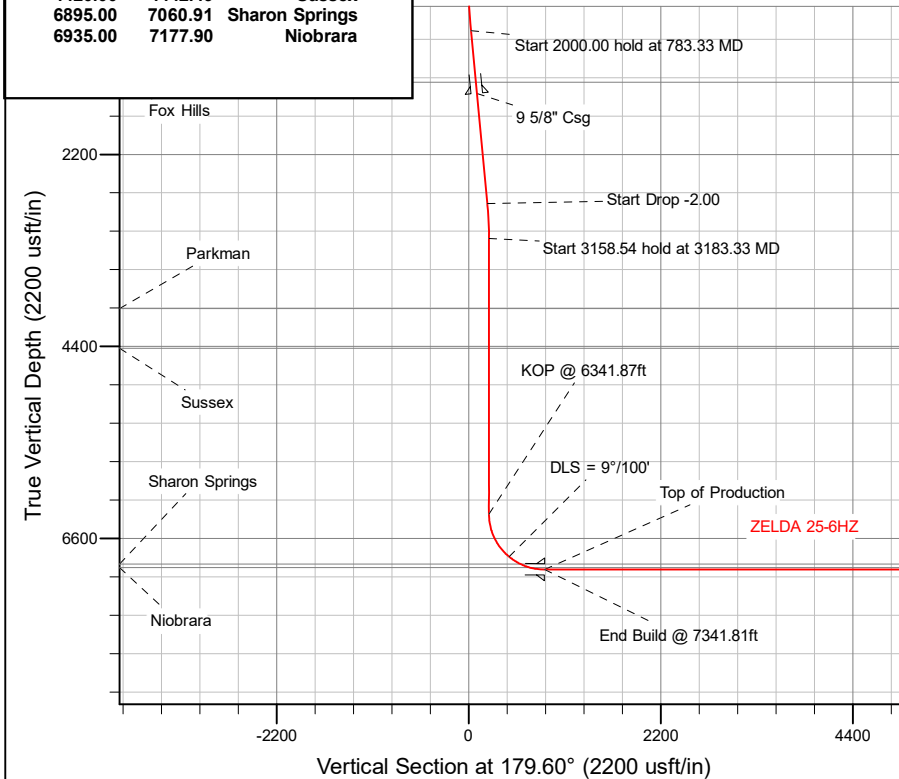
US ROCKIES WATTENBERG PLANNING

CASING DETAILS			WELL DETAILS: ZELDA 25-6HZ GL = 4903' RKB = 17' @ 4920.00usft (Drilling Rig)
TVD	MD	Size	
1500.00 6956.00	1508.79 7341.81	9-5/8 5-1/2	

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	0.00
2	250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
3	783.33	8.00	132.00	781.60	-24.87	27.63	1.50	132.00	25.07	
4	2783.33	8.00	132.00	2762.14	-211.12	234.48	0.00	0.00	212.76	
5	3183.33	0.00	0.00	3160.84	-229.78	255.20	2.00	180.00	231.56	
6	6341.87	0.00	0.00	6319.38	-229.78	255.20	0.00	0.00	231.56	
7	7341.81	89.99	179.60	6956.00	-866.32	259.60	9.00	179.60	868.11	
8	17088.93	89.99	179.60	6957.00	-10613.21	327.12	0.00	0.00	10615.24	ZELDA 25-6HZ_BHL

WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
ZELDA 25-6HZ_SHL	0.00	0.00	0.00	40.115729	-104.617332	
ZELDA 25-6HZ_BHL	6957.00	-10613.21	327.12	40.086584	-104.616162	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1372.00	1379.53	Fox Hills
3967.00	3989.49	Parkman
4420.00	4442.49	Sussex
6895.00	7060.91	Sharon Springs
6935.00	7177.90	Niobrara



Plan: Permit Rev-1 (ZELDA 25-6HZ/Plan A)
 Created By: _____ Date: 8/21/2017
 Reviewed: _____ Date: _____

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well ZELDA 25-6HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Site:	2N-65W-25 Zelda 29-25HZ Pad	North Reference:	True
Well:	ZELDA 25-6HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

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-65W-25 Zelda 29-25HZ Pad				
Site Position:		Northing:	14,569,106.11 usft	Latitude:	40.115731
From:	Lat/Long	Easting:	1,747,327.27 usft	Longitude:	-104.617600
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.25 °

Well	ZELDA 25-6HZ					
Well Position	+N-S	-0.73 usft	Northing:	14,569,105.70 usft	Latitude:	40.115729
	+E-W	74.93 usft	Easting:	1,747,402.20 usft	Longitude:	-104.617332
Position Uncertainty		3.28 usft	Wellhead Elevation:		Ground Level:	4,903.00 usft

Wellbore	Plan A				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/16/2017	7.93	66.63	52,347.23884818

Design	Permit Rev-1				
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	179.60	

Plan Survey Tool Program		Date	8/21/2017		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,500.00	Permit Rev-1 (Plan A)	APC_ISCWSA REV 2 MWD+II Fixed:v2:crustal field declinatio	
2	1,500.00	17,088.93	Permit Rev-1 (Plan A)	APC_ISCWSA REV 2 MWD+II Fixed:v2:Rockies, crustal dec +	

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well ZELDA 25-6HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Site:	2N-65W-25 Zelda 29-25HZ Pad	North Reference:	True
Well:	ZELDA 25-6HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

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	
783.33	8.00	132.00	781.60	-24.87	27.63	1.50	1.50	0.00	132.00	
2,783.33	8.00	132.00	2,762.14	-211.12	234.48	0.00	0.00	0.00	0.00	
3,183.33	0.00	0.00	3,160.84	-229.78	255.20	2.00	-2.00	0.00	180.00	
6,341.87	0.00	0.00	6,319.38	-229.78	255.20	0.00	0.00	0.00	0.00	
7,341.81	89.99	179.60	6,956.00	-866.32	259.60	9.00	9.00	17.96	179.60	
17,088.93	89.99	179.60	6,957.00	-10,613.21	327.12	0.00	0.00	0.00	0.00	ZELDA 25-6HZ_BHL

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well ZELDA 25-6HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Site:	2N-65W-25 Zelda 29-25HZ Pad	North Reference:	True
Well:	ZELDA 25-6HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

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
Start Build 1.50									
300.00	0.75	132.00	300.00	-0.22	0.24	0.22	1.50	1.50	0.00
400.00	2.25	132.00	399.96	-1.97	2.19	1.99	1.50	1.50	0.00
500.00	3.75	132.00	499.82	-5.47	6.08	5.51	1.50	1.50	0.00
600.00	5.25	132.00	599.51	-10.72	11.91	10.81	1.50	1.50	0.00
700.00	6.75	132.00	698.96	-17.72	19.68	17.85	1.50	1.50	0.00
783.33	8.00	132.00	781.60	-24.87	27.63	25.07	1.50	1.50	0.00
Start 2000.00 hold at 783.33 MD									
800.00	8.00	132.00	798.11	-26.43	29.35	26.63	0.00	0.00	0.00
900.00	8.00	132.00	897.13	-35.74	39.69	36.01	0.00	0.00	0.00
1,000.00	8.00	132.00	996.16	-45.05	50.03	45.40	0.00	0.00	0.00
1,100.00	8.00	132.00	1,095.19	-54.36	60.38	54.78	0.00	0.00	0.00
1,200.00	8.00	132.00	1,194.21	-63.68	70.72	64.17	0.00	0.00	0.00
1,300.00	8.00	132.00	1,293.24	-72.99	81.06	73.55	0.00	0.00	0.00
1,379.53	8.00	132.00	1,372.00	-80.39	89.29	81.02	0.00	0.00	0.00
Fox Hills									
1,400.00	8.00	132.00	1,392.27	-82.30	91.40	82.94	0.00	0.00	0.00
1,500.00	8.00	132.00	1,491.29	-91.61	101.75	92.32	0.00	0.00	0.00
1,508.79	8.00	132.00	1,500.00	-92.43	102.66	93.15	0.00	0.00	0.00
9 5/8" Csg									
1,600.00	8.00	132.00	1,590.32	-100.93	112.09	101.71	0.00	0.00	0.00
1,700.00	8.00	132.00	1,689.35	-110.24	122.43	111.09	0.00	0.00	0.00
1,800.00	8.00	132.00	1,788.37	-119.55	132.77	120.47	0.00	0.00	0.00
1,900.00	8.00	132.00	1,887.40	-128.86	143.12	129.86	0.00	0.00	0.00
2,000.00	8.00	132.00	1,986.43	-138.18	153.46	139.24	0.00	0.00	0.00
2,100.00	8.00	132.00	2,085.46	-147.49	163.80	148.63	0.00	0.00	0.00
2,200.00	8.00	132.00	2,184.48	-156.80	174.14	158.01	0.00	0.00	0.00
2,300.00	8.00	132.00	2,283.51	-166.11	184.49	167.40	0.00	0.00	0.00
2,400.00	8.00	132.00	2,382.54	-175.43	194.83	176.78	0.00	0.00	0.00
2,500.00	8.00	132.00	2,481.56	-184.74	205.17	186.17	0.00	0.00	0.00
2,600.00	8.00	132.00	2,580.59	-194.05	215.52	195.55	0.00	0.00	0.00
2,700.00	8.00	132.00	2,679.62	-203.36	225.86	204.94	0.00	0.00	0.00
2,783.33	8.00	132.00	2,762.14	-211.12	234.48	212.76	0.00	0.00	0.00
Start Drop -2.00									
2,800.00	7.67	132.00	2,778.65	-212.64	236.16	214.29	2.00	-2.00	0.00
2,900.00	5.67	132.00	2,877.97	-220.41	244.79	222.11	2.00	-2.00	0.00
3,000.00	3.67	132.00	2,977.63	-225.86	250.84	227.60	2.00	-2.00	0.00
3,100.00	1.67	132.00	3,077.52	-228.97	254.29	230.74	2.00	-2.00	0.00
3,183.33	0.00	0.00	3,160.84	-229.78	255.20	231.56	2.00	-2.00	0.00
Start 3158.54 hold at 3183.33 MD									
3,200.00	0.00	0.00	3,177.51	-229.78	255.20	231.56	0.00	0.00	0.00
3,300.00	0.00	0.00	3,277.51	-229.78	255.20	231.56	0.00	0.00	0.00
3,400.00	0.00	0.00	3,377.51	-229.78	255.20	231.56	0.00	0.00	0.00
3,500.00	0.00	0.00	3,477.51	-229.78	255.20	231.56	0.00	0.00	0.00
3,600.00	0.00	0.00	3,577.51	-229.78	255.20	231.56	0.00	0.00	0.00
3,700.00	0.00	0.00	3,677.51	-229.78	255.20	231.56	0.00	0.00	0.00
3,800.00	0.00	0.00	3,777.51	-229.78	255.20	231.56	0.00	0.00	0.00
3,900.00	0.00	0.00	3,877.51	-229.78	255.20	231.56	0.00	0.00	0.00
3,989.49	0.00	0.00	3,967.00	-229.78	255.20	231.56	0.00	0.00	0.00

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well ZELDA 25-6HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Site:	2N-65W-25 Zelda 29-25HZ Pad	North Reference:	True
Well:	ZELDA 25-6HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

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)
Parkman									
4,000.00	0.00	0.00	3,977.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,100.00	0.00	0.00	4,077.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,200.00	0.00	0.00	4,177.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,300.00	0.00	0.00	4,277.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,400.00	0.00	0.00	4,377.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,442.49	0.00	0.00	4,420.00	-229.78	255.20	231.56	0.00	0.00	0.00
Sussex									
4,500.00	0.00	0.00	4,477.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,600.00	0.00	0.00	4,577.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,700.00	0.00	0.00	4,677.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,800.00	0.00	0.00	4,777.51	-229.78	255.20	231.56	0.00	0.00	0.00
4,900.00	0.00	0.00	4,877.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,000.00	0.00	0.00	4,977.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,100.00	0.00	0.00	5,077.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,200.00	0.00	0.00	5,177.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,300.00	0.00	0.00	5,277.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,400.00	0.00	0.00	5,377.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,500.00	0.00	0.00	5,477.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,600.00	0.00	0.00	5,577.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,700.00	0.00	0.00	5,677.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,800.00	0.00	0.00	5,777.51	-229.78	255.20	231.56	0.00	0.00	0.00
5,900.00	0.00	0.00	5,877.51	-229.78	255.20	231.56	0.00	0.00	0.00
6,000.00	0.00	0.00	5,977.51	-229.78	255.20	231.56	0.00	0.00	0.00
6,100.00	0.00	0.00	6,077.51	-229.78	255.20	231.56	0.00	0.00	0.00
6,200.00	0.00	0.00	6,177.51	-229.78	255.20	231.56	0.00	0.00	0.00
6,300.00	0.00	0.00	6,277.51	-229.78	255.20	231.56	0.00	0.00	0.00
6,341.87	0.00	0.00	6,319.38	-229.78	255.20	231.56	0.00	0.00	0.00
KOP @ 6341.87ft									
6,400.00	5.23	179.60	6,377.43	-232.43	255.21	234.21	9.00	9.00	0.00
6,500.00	14.23	179.60	6,475.89	-249.32	255.33	251.09	9.00	9.00	0.00
6,600.00	23.23	179.60	6,570.49	-281.40	255.55	283.17	9.00	9.00	0.00
6,700.00	32.23	179.60	6,658.91	-327.88	255.87	329.66	9.00	9.00	0.00
6,800.00	41.23	179.60	6,738.98	-387.62	256.29	389.40	9.00	9.00	0.00
6,900.00	50.23	179.60	6,808.71	-459.15	256.78	460.94	9.00	9.00	0.00
DLS = 9°/100'									
7,000.00	59.23	179.60	6,866.39	-540.71	257.35	542.50	9.00	9.00	0.00
7,060.91	64.71	179.60	6,895.00	-594.46	257.72	596.24	9.00	9.00	0.00
Sharon Springs									
7,100.00	68.23	179.60	6,910.60	-630.29	257.97	632.08	9.00	9.00	0.00
7,177.90	75.24	179.60	6,935.00	-704.23	258.48	706.01	9.00	9.00	0.00
Niobrara									
7,200.00	77.23	179.60	6,940.26	-725.69	258.63	727.47	9.00	9.00	0.00
7,300.00	86.23	179.60	6,954.62	-824.54	259.32	826.33	9.00	9.00	0.00
7,341.81	89.99	179.60	6,956.00	-866.32	259.60	868.11	9.00	9.00	0.00
End Build @ 7341.81ft - Top of Production									
7,400.00	89.99	179.60	6,956.01	-924.51	260.01	926.30	0.00	0.00	0.00
7,500.00	89.99	179.60	6,956.02	-1,024.51	260.70	1,026.30	0.00	0.00	0.00
7,600.00	89.99	179.60	6,956.03	-1,124.50	261.39	1,126.30	0.00	0.00	0.00
7,700.00	89.99	179.60	6,956.04	-1,224.50	262.09	1,226.30	0.00	0.00	0.00
7,800.00	89.99	179.60	6,956.05	-1,324.50	262.78	1,326.30	0.00	0.00	0.00
7,900.00	89.99	179.60	6,956.06	-1,424.50	263.47	1,426.30	0.00	0.00	0.00
8,000.00	89.99	179.60	6,956.07	-1,524.49	264.16	1,526.30	0.00	0.00	0.00

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well ZELDA 25-6HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Site:	2N-65W-25 Zelda 29-25HZ Pad	North Reference:	True
Well:	ZELDA 25-6HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

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)
8,100.00	89.99	179.60	6,956.08	-1,624.49	264.86	1,626.30	0.00	0.00	0.00
8,200.00	89.99	179.60	6,956.09	-1,724.49	265.55	1,726.30	0.00	0.00	0.00
8,300.00	89.99	179.60	6,956.10	-1,824.49	266.24	1,826.30	0.00	0.00	0.00
8,400.00	89.99	179.60	6,956.11	-1,924.48	266.93	1,926.30	0.00	0.00	0.00
8,500.00	89.99	179.60	6,956.12	-2,024.48	267.63	2,026.30	0.00	0.00	0.00
8,600.00	89.99	179.60	6,956.13	-2,124.48	268.32	2,126.30	0.00	0.00	0.00
8,700.00	89.99	179.60	6,956.14	-2,224.48	269.01	2,226.30	0.00	0.00	0.00
8,800.00	89.99	179.60	6,956.15	-2,324.48	269.71	2,326.30	0.00	0.00	0.00
8,900.00	89.99	179.60	6,956.16	-2,424.47	270.40	2,426.30	0.00	0.00	0.00
9,000.00	89.99	179.60	6,956.17	-2,524.47	271.09	2,526.30	0.00	0.00	0.00
9,100.00	89.99	179.60	6,956.18	-2,624.47	271.78	2,626.30	0.00	0.00	0.00
9,200.00	89.99	179.60	6,956.19	-2,724.47	272.48	2,726.30	0.00	0.00	0.00
9,300.00	89.99	179.60	6,956.20	-2,824.46	273.17	2,826.30	0.00	0.00	0.00
9,400.00	89.99	179.60	6,956.21	-2,924.46	273.86	2,926.30	0.00	0.00	0.00
9,500.00	89.99	179.60	6,956.22	-3,024.46	274.55	3,026.30	0.00	0.00	0.00
9,600.00	89.99	179.60	6,956.23	-3,124.46	275.25	3,126.30	0.00	0.00	0.00
9,700.00	89.99	179.60	6,956.24	-3,224.45	275.94	3,226.30	0.00	0.00	0.00
9,800.00	89.99	179.60	6,956.25	-3,324.45	276.63	3,326.30	0.00	0.00	0.00
9,900.00	89.99	179.60	6,956.26	-3,424.45	277.32	3,426.30	0.00	0.00	0.00
10,000.00	89.99	179.60	6,956.27	-3,524.45	278.02	3,526.30	0.00	0.00	0.00
10,100.00	89.99	179.60	6,956.28	-3,624.44	278.71	3,626.30	0.00	0.00	0.00
10,200.00	89.99	179.60	6,956.29	-3,724.44	279.40	3,726.30	0.00	0.00	0.00
10,300.00	89.99	179.60	6,956.30	-3,824.44	280.10	3,826.30	0.00	0.00	0.00
10,400.00	89.99	179.60	6,956.31	-3,924.44	280.79	3,926.30	0.00	0.00	0.00
10,500.00	89.99	179.60	6,956.32	-4,024.43	281.48	4,026.30	0.00	0.00	0.00
10,600.00	89.99	179.60	6,956.33	-4,124.43	282.17	4,126.30	0.00	0.00	0.00
10,700.00	89.99	179.60	6,956.34	-4,224.43	282.87	4,226.30	0.00	0.00	0.00
10,800.00	89.99	179.60	6,956.35	-4,324.43	283.56	4,326.30	0.00	0.00	0.00
10,900.00	89.99	179.60	6,956.36	-4,424.42	284.25	4,426.30	0.00	0.00	0.00
11,000.00	89.99	179.60	6,956.38	-4,524.42	284.94	4,526.30	0.00	0.00	0.00
11,100.00	89.99	179.60	6,956.39	-4,624.42	285.64	4,626.30	0.00	0.00	0.00
11,200.00	89.99	179.60	6,956.40	-4,724.42	286.33	4,726.30	0.00	0.00	0.00
11,300.00	89.99	179.60	6,956.41	-4,824.42	287.02	4,826.30	0.00	0.00	0.00
11,400.00	89.99	179.60	6,956.42	-4,924.41	287.71	4,926.30	0.00	0.00	0.00
11,500.00	89.99	179.60	6,956.43	-5,024.41	288.41	5,026.30	0.00	0.00	0.00
11,600.00	89.99	179.60	6,956.44	-5,124.41	289.10	5,126.30	0.00	0.00	0.00
11,700.00	89.99	179.60	6,956.45	-5,224.41	289.79	5,226.30	0.00	0.00	0.00
11,800.00	89.99	179.60	6,956.46	-5,324.40	290.49	5,326.30	0.00	0.00	0.00
11,900.00	89.99	179.60	6,956.47	-5,424.40	291.18	5,426.30	0.00	0.00	0.00
12,000.00	89.99	179.60	6,956.48	-5,524.40	291.87	5,526.30	0.00	0.00	0.00
12,100.00	89.99	179.60	6,956.49	-5,624.40	292.56	5,626.30	0.00	0.00	0.00
12,200.00	89.99	179.60	6,956.50	-5,724.39	293.26	5,726.30	0.00	0.00	0.00
12,300.00	89.99	179.60	6,956.51	-5,824.39	293.95	5,826.30	0.00	0.00	0.00
12,400.00	89.99	179.60	6,956.52	-5,924.39	294.64	5,926.30	0.00	0.00	0.00
12,500.00	89.99	179.60	6,956.53	-6,024.39	295.33	6,026.30	0.00	0.00	0.00
12,600.00	89.99	179.60	6,956.54	-6,124.38	296.03	6,126.30	0.00	0.00	0.00
12,700.00	89.99	179.60	6,956.55	-6,224.38	296.72	6,226.30	0.00	0.00	0.00
12,800.00	89.99	179.60	6,956.56	-6,324.38	297.41	6,326.30	0.00	0.00	0.00
12,900.00	89.99	179.60	6,956.57	-6,424.38	298.10	6,426.30	0.00	0.00	0.00
13,000.00	89.99	179.60	6,956.58	-6,524.37	298.80	6,526.30	0.00	0.00	0.00
13,100.00	89.99	179.60	6,956.59	-6,624.37	299.49	6,626.30	0.00	0.00	0.00
13,200.00	89.99	179.60	6,956.60	-6,724.37	300.18	6,726.30	0.00	0.00	0.00
13,300.00	89.99	179.60	6,956.61	-6,824.37	300.88	6,826.30	0.00	0.00	0.00
13,400.00	89.99	179.60	6,956.62	-6,924.36	301.57	6,926.30	0.00	0.00	0.00

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well ZELDA 25-6HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Site:	2N-65W-25 Zelda 29-25HZ Pad	North Reference:	True
Well:	ZELDA 25-6HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

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)
13,500.00	89.99	179.60	6,956.63	-7,024.36	302.26	7,026.30	0.00	0.00	0.00
13,600.00	89.99	179.60	6,956.64	-7,124.36	302.95	7,126.30	0.00	0.00	0.00
13,700.00	89.99	179.60	6,956.65	-7,224.36	303.65	7,226.30	0.00	0.00	0.00
13,800.00	89.99	179.60	6,956.66	-7,324.36	304.34	7,326.30	0.00	0.00	0.00
13,900.00	89.99	179.60	6,956.67	-7,424.35	305.03	7,426.30	0.00	0.00	0.00
14,000.00	89.99	179.60	6,956.68	-7,524.35	305.72	7,526.30	0.00	0.00	0.00
14,100.00	89.99	179.60	6,956.69	-7,624.35	306.42	7,626.30	0.00	0.00	0.00
14,200.00	89.99	179.60	6,956.70	-7,724.35	307.11	7,726.30	0.00	0.00	0.00
14,300.00	89.99	179.60	6,956.71	-7,824.34	307.80	7,826.30	0.00	0.00	0.00
14,400.00	89.99	179.60	6,956.72	-7,924.34	308.49	7,926.30	0.00	0.00	0.00
14,500.00	89.99	179.60	6,956.73	-8,024.34	309.19	8,026.30	0.00	0.00	0.00
14,600.00	89.99	179.60	6,956.74	-8,124.34	309.88	8,126.30	0.00	0.00	0.00
14,700.00	89.99	179.60	6,956.75	-8,224.33	310.57	8,226.30	0.00	0.00	0.00
14,800.00	89.99	179.60	6,956.77	-8,324.33	311.27	8,326.30	0.00	0.00	0.00
14,900.00	89.99	179.60	6,956.78	-8,424.33	311.96	8,426.30	0.00	0.00	0.00
15,000.00	89.99	179.60	6,956.79	-8,524.33	312.65	8,526.30	0.00	0.00	0.00
15,100.00	89.99	179.60	6,956.80	-8,624.32	313.34	8,626.30	0.00	0.00	0.00
15,200.00	89.99	179.60	6,956.81	-8,724.32	314.04	8,726.30	0.00	0.00	0.00
15,300.00	89.99	179.60	6,956.82	-8,824.32	314.73	8,826.30	0.00	0.00	0.00
15,400.00	89.99	179.60	6,956.83	-8,924.32	315.42	8,926.30	0.00	0.00	0.00
15,500.00	89.99	179.60	6,956.84	-9,024.31	316.11	9,026.30	0.00	0.00	0.00
15,600.00	89.99	179.60	6,956.85	-9,124.31	316.81	9,126.30	0.00	0.00	0.00
15,700.00	89.99	179.60	6,956.86	-9,224.31	317.50	9,226.30	0.00	0.00	0.00
15,800.00	89.99	179.60	6,956.87	-9,324.31	318.19	9,326.30	0.00	0.00	0.00
15,900.00	89.99	179.60	6,956.88	-9,424.31	318.88	9,426.30	0.00	0.00	0.00
16,000.00	89.99	179.60	6,956.89	-9,524.30	319.58	9,526.30	0.00	0.00	0.00
16,100.00	89.99	179.60	6,956.90	-9,624.30	320.27	9,626.30	0.00	0.00	0.00
16,200.00	89.99	179.60	6,956.91	-9,724.30	320.96	9,726.30	0.00	0.00	0.00
16,300.00	89.99	179.60	6,956.92	-9,824.30	321.66	9,826.30	0.00	0.00	0.00
16,400.00	89.99	179.60	6,956.93	-9,924.29	322.35	9,926.30	0.00	0.00	0.00
16,500.00	89.99	179.60	6,956.94	-10,024.29	323.04	10,026.30	0.00	0.00	0.00
16,600.00	89.99	179.60	6,956.95	-10,124.29	323.73	10,126.30	0.00	0.00	0.00
16,700.00	89.99	179.60	6,956.96	-10,224.29	324.43	10,226.30	0.00	0.00	0.00
16,800.00	89.99	179.60	6,956.97	-10,324.28	325.12	10,326.30	0.00	0.00	0.00
16,900.00	89.99	179.60	6,956.98	-10,424.28	325.81	10,426.30	0.00	0.00	0.00
17,000.00	89.99	179.60	6,956.99	-10,524.28	326.50	10,526.30	0.00	0.00	0.00
17,088.93	89.99	179.60	6,957.00	-10,613.21	327.12	10,615.23	0.00	0.00	0.00
TD Well @ 17088.93ft									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,508.79	1,500.00	9 5/8" Csg	9-5/8	13-1/2	
7,341.81	6,956.00	Top of Production	5-1/2	7-7/8	

Corporate Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Well ZELDA 25-6HZ
Company:	US ROCKIES WATTENBERG PLANNING	TVD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Project:	WELD-NAD83-UTMFT13N	MD Reference:	RKB = 17' @ 4920.00usft (Drilling Rig)
Site:	2N-65W-25 Zelda 29-25HZ Pad	North Reference:	True
Well:	ZELDA 25-6HZ	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

Formations						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
	1,379.53	1,372.00	Fox Hills			
	3,989.49	3,967.00	Parkman			
	4,442.49	4,420.00	Sussex			
	7,060.91	6,895.00	Sharon Springs			
	7,177.90	6,935.00	Niobrara			

Plan Annotations					
	Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
			+N/-S (usft)	+E/-W (usft)	
	250.00	250.00	0.00	0.00	Start Build 1.50
	783.33	781.60	-24.87	27.63	Start 2000.00 hold at 783.33 MD
	2,783.33	2,762.14	-211.12	234.48	Start Drop -2.00
	3,183.33	3,160.84	-229.78	255.20	Start 3158.54 hold at 3183.33 MD
	6,341.87	6,319.38	-229.78	255.20	KOP @ 6341.87ft
	6,900.00	6,808.71	-459.15	256.78	DLS = 9°/100'
	7,341.81	6,956.00	-866.32	259.60	End Build @ 7341.81ft
	17,088.93	6,957.00	-10,613.21	327.12	TD Well @ 17088.93ft