

Project: Weld County, CO  
 Site: SEC 36, T8N-R67W  
 Well: Brewski 8-67-36-25N  
 Wellbore: Hz  
 Design: Plan 2

## Reference Details

Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Latitude: 40° 36' 40.957 N  
 Longitude: 104° 50' 38.216 W  
 Grid Convergence: 0.42° West  
 Ground Elevation: 5179.0  
 KB Elevation: Well @ 5205.0usft

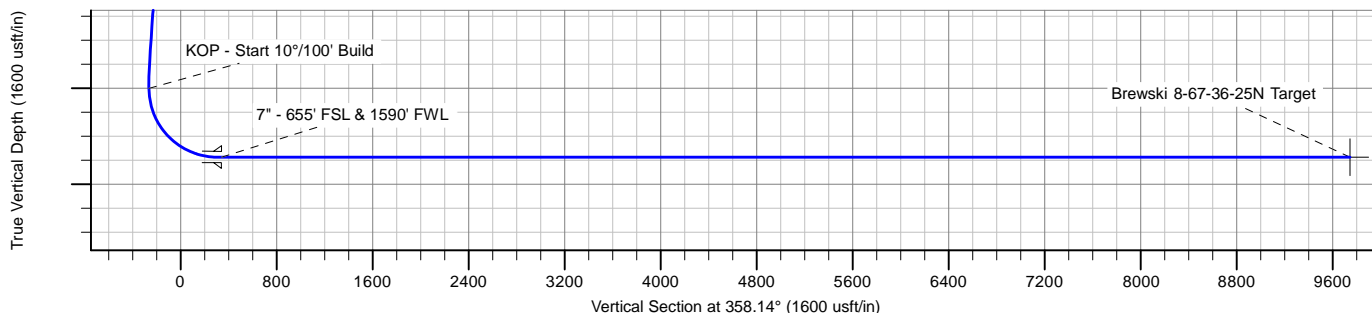
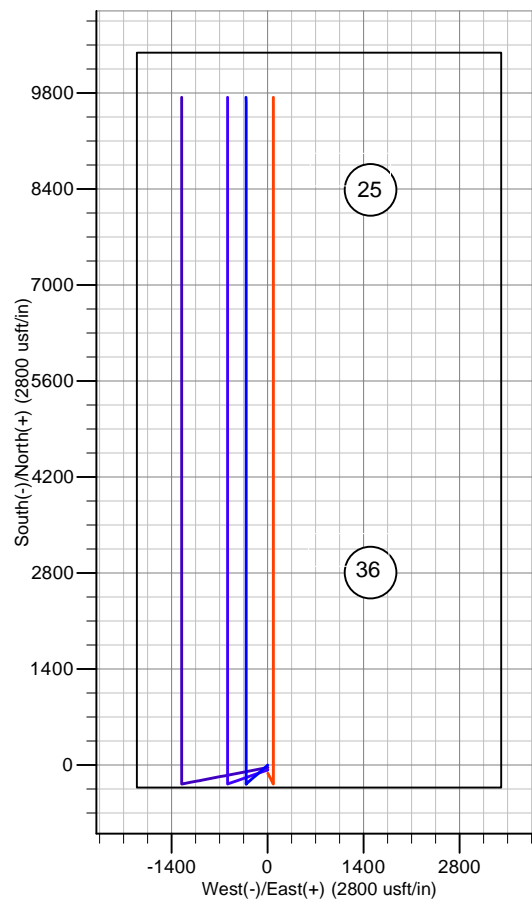
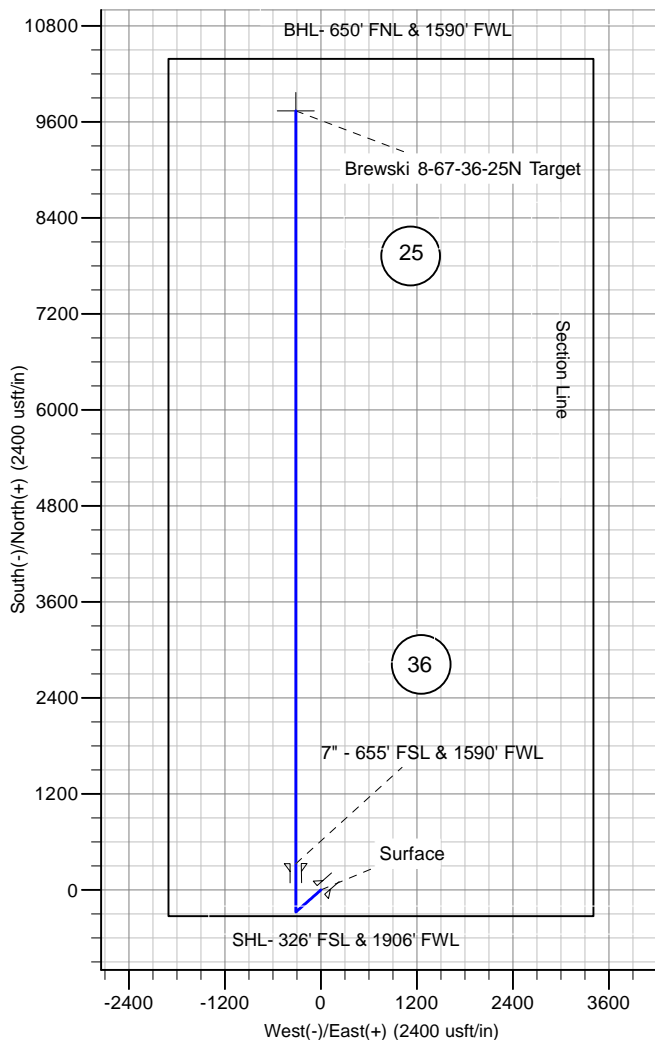
RPM Consulting, Inc.  
 1600 Broadway, Suite 1510  
 Denver, CO 80013  
 303-595-7625

## SECTION DETAILS

## CASING DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0
2113.4	0.00	0.00	2113.4	0.0	0.0	0.00	0.00	0.0
2413.4	6.00	228.82	2412.9	-10.3	-11.8	2.00	228.82	-9.9
6123.4	6.00	228.82	6102.5	-265.7	-303.7	0.00	0.00	-255.7
6423.4	0.00	0.00	6402.0	-276.0	-315.5	2.00	180.00	-265.6
7323.4	90.00	0.00	6975.0	297.0	-315.5	10.00	0.00	307.0
7340.6	90.00	360.00	6975.0	314.1	-315.5	0.02	-94.82	324.2
16765.5	90.00	360.00	6975.0	9739.0	-316.0	0.00	0.00	9744.1

TVD	MD	Name
1500.0	1500.0	Surface
6975.0	7355.0	Intermediate



# **Enerplus Resources (USA) Corporation**

**Weld County, CO  
SEC 36, T8N-R67W  
Brewski 8-67-36-25N**

**Hz**

**Plan: Plan 2**

## **Standard Planning Report**

**06 January, 2017**

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Brewski 8-67-36-25N
<b>Company:</b>	Enerplus Resources (USA) Corporation	<b>TVD Reference:</b>	Well @ 5205.0usft
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	Well @ 5205.0usft
<b>Site:</b>	SEC 36, T8N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Brewski 8-67-36-25N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan 2		

<b>Project</b>	Weld County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		SEC 36, T8N-R67W			
Site Position:		Northing:	1,466,120.29 usft	Latitude:	40° 36' 39.773 N
From:	Lat/Long	Easting:	3,182,148.45 usft	Longitude:	104° 50' 38.191 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	Brewski 8-67-36-25N					
Well Position	+N/-S	119.9 usft	Northing:	1,466,240.12 usft	Latitude:	40° 36' 40.957 N
	+E/-W	-1.9 usft	Easting:	3,182,145.62 usft	Longitude:	104° 50' 38.216 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	5,179.0 usft

<b>Wellbore</b>	Hz				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	1/5/2017	8.17	67.01	52,645

<b>Design</b>	Plan 2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	358.14

<b>Plan Sections</b>										
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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,113.4	0.00	0.00	2,113.4	0.0	0.0	0.00	0.00	0.00	0.00	
2,413.4	6.00	228.82	2,412.9	-10.3	-11.8	2.00	2.00	0.00	228.82	
6,123.4	6.00	228.82	6,102.5	-265.7	-303.7	0.00	0.00	0.00	0.00	
6,423.4	0.00	0.00	6,402.0	-276.0	-315.5	2.00	-2.00	0.00	180.00	
7,323.4	90.00	0.00	6,975.0	297.0	-315.5	10.00	10.00	0.00	0.00	
7,340.6	90.00	360.00	6,975.0	314.1	-315.5	0.02	0.00	-0.02	-94.82	
16,765.5	90.00	360.00	6,975.0	9,739.0	-316.0	0.00	0.00	0.00	0.00	Brewski 8-67-36-25N

# Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Brewski 8-67-36-25N
<b>Company:</b>	Enerplus Resources (USA) Corporation	<b>TVD Reference:</b>	Well @ 5205.0usft
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	Well @ 5205.0usft
<b>Site:</b>	SEC 36, T8N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Brewski 8-67-36-25N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9-5/8" - Surface									
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,113.4	0.00	0.00	2,113.4	0.0	0.0	0.0	0.00	0.00	0.00
Begin 2°/100' Nudge									
2,200.0	1.73	228.82	2,200.0	-0.9	-1.0	-0.8	2.00	2.00	0.00
2,300.0	3.73	228.82	2,299.9	-4.0	-4.6	-3.8	2.00	2.00	0.00
2,400.0	5.73	228.82	2,399.5	-9.4	-10.8	-9.1	2.00	2.00	0.00
2,413.4	6.00	228.82	2,412.9	-10.3	-11.8	-9.9	2.00	2.00	0.00
2,500.0	6.00	228.82	2,499.0	-16.3	-18.6	-15.7	0.00	0.00	0.00
2,600.0	6.00	228.82	2,598.4	-23.2	-26.5	-22.3	0.00	0.00	0.00
2,700.0	6.00	228.82	2,697.9	-30.1	-34.4	-28.9	0.00	0.00	0.00
2,800.0	6.00	228.82	2,797.3	-36.9	-42.2	-35.5	0.00	0.00	0.00
2,900.0	6.00	228.82	2,896.8	-43.8	-50.1	-42.2	0.00	0.00	0.00
3,000.0	6.00	228.82	2,996.2	-50.7	-58.0	-48.8	0.00	0.00	0.00
3,100.0	6.00	228.82	3,095.7	-57.6	-65.8	-55.4	0.00	0.00	0.00
3,200.0	6.00	228.82	3,195.1	-64.5	-73.7	-62.0	0.00	0.00	0.00
3,300.0	6.00	228.82	3,294.6	-71.3	-81.6	-68.7	0.00	0.00	0.00
3,400.0	6.00	228.82	3,394.0	-78.2	-89.4	-75.3	0.00	0.00	0.00
3,500.0	6.00	228.82	3,493.5	-85.1	-97.3	-81.9	0.00	0.00	0.00
3,600.0	6.00	228.82	3,593.0	-92.0	-105.2	-88.5	0.00	0.00	0.00
3,700.0	6.00	228.82	3,692.4	-98.9	-113.0	-95.2	0.00	0.00	0.00
3,800.0	6.00	228.82	3,791.9	-105.8	-120.9	-101.8	0.00	0.00	0.00
3,900.0	6.00	228.82	3,891.3	-112.6	-128.8	-108.4	0.00	0.00	0.00
4,000.0	6.00	228.82	3,990.8	-119.5	-136.6	-115.0	0.00	0.00	0.00
4,100.0	6.00	228.82	4,090.2	-126.4	-144.5	-121.7	0.00	0.00	0.00
4,200.0	6.00	228.82	4,189.7	-133.3	-152.4	-128.3	0.00	0.00	0.00
4,300.0	6.00	228.82	4,289.1	-140.2	-160.2	-134.9	0.00	0.00	0.00
4,400.0	6.00	228.82	4,388.6	-147.1	-168.1	-141.5	0.00	0.00	0.00
4,500.0	6.00	228.82	4,488.0	-153.9	-176.0	-148.1	0.00	0.00	0.00
4,600.0	6.00	228.82	4,587.5	-160.8	-183.8	-154.8	0.00	0.00	0.00
4,700.0	6.00	228.82	4,686.9	-167.7	-191.7	-161.4	0.00	0.00	0.00
4,800.0	6.00	228.82	4,786.4	-174.6	-199.6	-168.0	0.00	0.00	0.00
4,900.0	6.00	228.82	4,885.8	-181.5	-207.4	-174.6	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Brewski 8-67-36-25N
<b>Company:</b>	Enerplus Resources (USA) Corporation	<b>TVD Reference:</b>	Well @ 5205.0usft
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	Well @ 5205.0usft
<b>Site:</b>	SEC 36, T8N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Brewski 8-67-36-25N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan 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)
5,000.0	6.00	228.82	4,985.3	-188.3	-215.3	-181.3	0.00	0.00	0.00
5,100.0	6.00	228.82	5,084.7	-195.2	-223.2	-187.9	0.00	0.00	0.00
5,200.0	6.00	228.82	5,184.2	-202.1	-231.0	-194.5	0.00	0.00	0.00
5,300.0	6.00	228.82	5,283.6	-209.0	-238.9	-201.1	0.00	0.00	0.00
5,400.0	6.00	228.82	5,383.1	-215.9	-246.8	-207.8	0.00	0.00	0.00
5,500.0	6.00	228.82	5,482.5	-222.8	-254.6	-214.4	0.00	0.00	0.00
5,600.0	6.00	228.82	5,582.0	-229.6	-262.5	-221.0	0.00	0.00	0.00
5,700.0	6.00	228.82	5,681.4	-236.5	-270.4	-227.6	0.00	0.00	0.00
5,800.0	6.00	228.82	5,780.9	-243.4	-278.2	-234.3	0.00	0.00	0.00
5,900.0	6.00	228.82	5,880.4	-250.3	-286.1	-240.9	0.00	0.00	0.00
6,000.0	6.00	228.82	5,979.8	-257.2	-294.0	-247.5	0.00	0.00	0.00
6,100.0	6.00	228.82	6,079.3	-264.1	-301.8	-254.1	0.00	0.00	0.00
6,123.4	6.00	228.82	6,102.5	-265.7	-303.7	-255.7	0.00	0.00	0.00
6,200.0	4.47	228.82	6,178.8	-270.3	-308.9	-260.1	2.00	-2.00	0.00
6,300.0	2.47	228.82	6,278.6	-274.2	-313.5	-263.9	2.00	-2.00	0.00
6,400.0	0.47	228.82	6,378.6	-275.9	-315.4	-265.6	2.00	-2.00	0.00
6,423.4	0.00	228.82	6,402.0	-276.0	-315.5	-265.6	2.00	-2.00	0.00
KOP - Start 10°/100' Build									
6,500.0	7.66	0.00	6,478.4	-270.9	-315.5	-260.5	10.00	10.00	171.25
6,600.0	17.66	0.00	6,575.8	-249.0	-315.5	-238.6	10.00	10.00	0.00
6,700.0	27.66	0.00	6,668.0	-210.5	-315.5	-200.2	10.00	10.00	0.00
6,800.0	37.66	0.00	6,752.0	-156.6	-315.5	-146.3	10.00	10.00	0.00
6,900.0	47.66	0.00	6,825.5	-89.0	-315.5	-78.7	10.00	10.00	0.00
7,000.0	57.66	0.00	6,886.1	-9.6	-315.5	0.7	10.00	10.00	0.00
7,100.0	67.66	0.00	6,931.9	79.2	-315.5	89.3	10.00	10.00	0.00
7,200.0	77.66	0.00	6,961.7	174.5	-315.5	184.6	10.00	10.00	0.00
7,300.0	87.66	0.00	6,974.5	273.5	-315.5	283.6	10.00	10.00	0.00
7,323.4	90.00	0.00	6,975.0	297.0	-315.5	307.0	10.00	10.00	0.00
7,340.6	90.00	360.00	6,975.0	314.1	-315.5	324.2	0.02	0.00	-0.02
7,355.0	90.00	360.00	6,975.0	328.5	-315.5	338.6	0.00	0.00	0.00
7" - 655' FSL & 1590' FWL - Intermediate									
7,400.0	90.00	360.00	6,975.0	373.5	-315.5	383.6	0.00	0.00	0.00
7,500.0	90.00	360.00	6,975.0	473.5	-315.5	483.5	0.00	0.00	0.00
7,600.0	90.00	360.00	6,975.0	573.5	-315.5	583.5	0.00	0.00	0.00
7,700.0	90.00	360.00	6,975.0	673.5	-315.5	683.4	0.00	0.00	0.00
7,800.0	90.00	360.00	6,975.0	773.5	-315.5	783.4	0.00	0.00	0.00
7,900.0	90.00	360.00	6,975.0	873.5	-315.5	883.3	0.00	0.00	0.00
8,000.0	90.00	360.00	6,975.0	973.5	-315.5	983.3	0.00	0.00	0.00
8,100.0	90.00	360.00	6,975.0	1,073.5	-315.5	1,083.2	0.00	0.00	0.00
8,200.0	90.00	360.00	6,975.0	1,173.5	-315.5	1,183.2	0.00	0.00	0.00
8,300.0	90.00	360.00	6,975.0	1,273.5	-315.6	1,283.1	0.00	0.00	0.00
8,400.0	90.00	360.00	6,975.0	1,373.5	-315.6	1,383.0	0.00	0.00	0.00
8,500.0	90.00	360.00	6,975.0	1,473.5	-315.6	1,483.0	0.00	0.00	0.00
8,600.0	90.00	360.00	6,975.0	1,573.5	-315.6	1,582.9	0.00	0.00	0.00
8,700.0	90.00	360.00	6,975.0	1,673.5	-315.6	1,682.9	0.00	0.00	0.00
8,800.0	90.00	360.00	6,975.0	1,773.5	-315.6	1,782.8	0.00	0.00	0.00
8,900.0	90.00	360.00	6,975.0	1,873.5	-315.6	1,882.8	0.00	0.00	0.00
9,000.0	90.00	360.00	6,975.0	1,973.5	-315.6	1,982.7	0.00	0.00	0.00
9,100.0	90.00	360.00	6,975.0	2,073.5	-315.6	2,082.7	0.00	0.00	0.00
9,200.0	90.00	360.00	6,975.0	2,173.5	-315.6	2,182.6	0.00	0.00	0.00
9,300.0	90.00	360.00	6,975.0	2,273.5	-315.6	2,282.6	0.00	0.00	0.00
9,400.0	90.00	360.00	6,975.0	2,373.5	-315.6	2,382.5	0.00	0.00	0.00
9,500.0	90.00	360.00	6,975.0	2,473.5	-315.6	2,482.5	0.00	0.00	0.00
9,600.0	90.00	360.00	6,975.0	2,573.5	-315.6	2,582.4	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Brewski 8-67-36-25N
<b>Company:</b>	Enerplus Resources (USA) Corporation	<b>TVD Reference:</b>	Well @ 5205.0usft
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	Well @ 5205.0usft
<b>Site:</b>	SEC 36, T8N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Brewski 8-67-36-25N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan 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)
9,700.0	90.00	360.00	6,975.0	2,673.5	-315.6	2,682.4	0.00	0.00	0.00
9,800.0	90.00	360.00	6,975.0	2,773.5	-315.6	2,782.3	0.00	0.00	0.00
9,900.0	90.00	360.00	6,975.0	2,873.5	-315.6	2,882.3	0.00	0.00	0.00
10,000.0	90.00	360.00	6,975.0	2,973.5	-315.6	2,982.2	0.00	0.00	0.00
10,100.0	90.00	360.00	6,975.0	3,073.5	-315.6	3,082.2	0.00	0.00	0.00
10,200.0	90.00	360.00	6,975.0	3,173.5	-315.7	3,182.1	0.00	0.00	0.00
10,300.0	90.00	360.00	6,975.0	3,273.5	-315.7	3,282.1	0.00	0.00	0.00
10,400.0	90.00	360.00	6,975.0	3,373.5	-315.7	3,382.0	0.00	0.00	0.00
10,500.0	90.00	360.00	6,975.0	3,473.5	-315.7	3,481.9	0.00	0.00	0.00
10,600.0	90.00	360.00	6,975.0	3,573.5	-315.7	3,581.9	0.00	0.00	0.00
10,700.0	90.00	360.00	6,975.0	3,673.5	-315.7	3,681.8	0.00	0.00	0.00
10,800.0	90.00	360.00	6,975.0	3,773.5	-315.7	3,781.8	0.00	0.00	0.00
10,900.0	90.00	360.00	6,975.0	3,873.5	-315.7	3,881.7	0.00	0.00	0.00
11,000.0	90.00	360.00	6,975.0	3,973.5	-315.7	3,981.7	0.00	0.00	0.00
11,100.0	90.00	360.00	6,975.0	4,073.5	-315.7	4,081.6	0.00	0.00	0.00
11,200.0	90.00	360.00	6,975.0	4,173.5	-315.7	4,181.6	0.00	0.00	0.00
11,300.0	90.00	360.00	6,975.0	4,273.5	-315.7	4,281.5	0.00	0.00	0.00
11,400.0	90.00	360.00	6,975.0	4,373.5	-315.7	4,381.5	0.00	0.00	0.00
11,500.0	90.00	360.00	6,975.0	4,473.5	-315.7	4,481.4	0.00	0.00	0.00
11,600.0	90.00	360.00	6,975.0	4,573.5	-315.7	4,581.4	0.00	0.00	0.00
11,700.0	90.00	360.00	6,975.0	4,673.5	-315.7	4,681.3	0.00	0.00	0.00
11,800.0	90.00	360.00	6,975.0	4,773.5	-315.7	4,781.3	0.00	0.00	0.00
11,900.0	90.00	360.00	6,975.0	4,873.5	-315.7	4,881.2	0.00	0.00	0.00
12,000.0	90.00	360.00	6,975.0	4,973.5	-315.7	4,981.2	0.00	0.00	0.00
12,100.0	90.00	360.00	6,975.0	5,073.5	-315.8	5,081.1	0.00	0.00	0.00
12,200.0	90.00	360.00	6,975.0	5,173.5	-315.8	5,181.1	0.00	0.00	0.00
12,300.0	90.00	360.00	6,975.0	5,273.5	-315.8	5,281.0	0.00	0.00	0.00
12,400.0	90.00	360.00	6,975.0	5,373.5	-315.8	5,381.0	0.00	0.00	0.00
12,500.0	90.00	360.00	6,975.0	5,473.5	-315.8	5,480.9	0.00	0.00	0.00
12,600.0	90.00	360.00	6,975.0	5,573.5	-315.8	5,580.8	0.00	0.00	0.00
12,700.0	90.00	360.00	6,975.0	5,673.5	-315.8	5,680.8	0.00	0.00	0.00
12,800.0	90.00	360.00	6,975.0	5,773.5	-315.8	5,780.7	0.00	0.00	0.00
12,900.0	90.00	360.00	6,975.0	5,873.5	-315.8	5,880.7	0.00	0.00	0.00
13,000.0	90.00	360.00	6,975.0	5,973.5	-315.8	5,980.6	0.00	0.00	0.00
13,100.0	90.00	360.00	6,975.0	6,073.5	-315.8	6,080.6	0.00	0.00	0.00
13,200.0	90.00	360.00	6,975.0	6,173.5	-315.8	6,180.5	0.00	0.00	0.00
13,300.0	90.00	360.00	6,975.0	6,273.5	-315.8	6,280.5	0.00	0.00	0.00
13,400.0	90.00	360.00	6,975.0	6,373.5	-315.8	6,380.4	0.00	0.00	0.00
13,500.0	90.00	360.00	6,975.0	6,473.5	-315.8	6,480.4	0.00	0.00	0.00
13,600.0	90.00	360.00	6,975.0	6,573.5	-315.8	6,580.3	0.00	0.00	0.00
13,700.0	90.00	360.00	6,975.0	6,673.5	-315.8	6,680.3	0.00	0.00	0.00
13,800.0	90.00	360.00	6,975.0	6,773.5	-315.8	6,780.2	0.00	0.00	0.00
13,900.0	90.00	360.00	6,975.0	6,873.5	-315.8	6,880.2	0.00	0.00	0.00
14,000.0	90.00	360.00	6,975.0	6,973.5	-315.9	6,980.1	0.00	0.00	0.00
14,100.0	90.00	360.00	6,975.0	7,073.5	-315.9	7,080.1	0.00	0.00	0.00
14,200.0	90.00	360.00	6,975.0	7,173.5	-315.9	7,180.0	0.00	0.00	0.00
14,300.0	90.00	360.00	6,975.0	7,273.5	-315.9	7,280.0	0.00	0.00	0.00
14,400.0	90.00	360.00	6,975.0	7,373.5	-315.9	7,379.9	0.00	0.00	0.00
14,500.0	90.00	360.00	6,975.0	7,473.5	-315.9	7,479.9	0.00	0.00	0.00
14,600.0	90.00	360.00	6,975.0	7,573.5	-315.9	7,579.8	0.00	0.00	0.00
14,700.0	90.00	360.00	6,975.0	7,673.5	-315.9	7,679.7	0.00	0.00	0.00
14,800.0	90.00	360.00	6,975.0	7,773.5	-315.9	7,779.7	0.00	0.00	0.00
14,900.0	90.00	360.00	6,975.0	7,873.5	-315.9	7,879.6	0.00	0.00	0.00
15,000.0	90.00	360.00	6,975.0	7,973.5	-315.9	7,979.6	0.00	0.00	0.00

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Brewski 8-67-36-25N
<b>Company:</b>	Enerplus Resources (USA) Corporation	<b>TVD Reference:</b>	Well @ 5205.0usft
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	Well @ 5205.0usft
<b>Site:</b>	SEC 36, T8N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Brewski 8-67-36-25N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan 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)	
15,100.0	90.00	360.00	6,975.0	8,073.5	-315.9	8,079.5	0.00	0.00	0.00	
15,200.0	90.00	360.00	6,975.0	8,173.5	-315.9	8,179.5	0.00	0.00	0.00	
15,300.0	90.00	360.00	6,975.0	8,273.5	-315.9	8,279.4	0.00	0.00	0.00	
15,400.0	90.00	360.00	6,975.0	8,373.5	-315.9	8,379.4	0.00	0.00	0.00	
15,500.0	90.00	360.00	6,975.0	8,473.5	-315.9	8,479.3	0.00	0.00	0.00	
15,600.0	90.00	360.00	6,975.0	8,573.5	-315.9	8,579.3	0.00	0.00	0.00	
15,700.0	90.00	360.00	6,975.0	8,673.5	-315.9	8,679.2	0.00	0.00	0.00	
15,800.0	90.00	360.00	6,975.0	8,773.5	-315.9	8,779.2	0.00	0.00	0.00	
15,900.0	90.00	360.00	6,975.0	8,873.5	-316.0	8,879.1	0.00	0.00	0.00	
16,000.0	90.00	360.00	6,975.0	8,973.5	-316.0	8,979.1	0.00	0.00	0.00	
16,100.0	90.00	360.00	6,975.0	9,073.5	-316.0	9,079.0	0.00	0.00	0.00	
16,200.0	90.00	360.00	6,975.0	9,173.5	-316.0	9,179.0	0.00	0.00	0.00	
16,300.0	90.00	360.00	6,975.0	9,273.5	-316.0	9,278.9	0.00	0.00	0.00	
16,400.0	90.00	360.00	6,975.0	9,373.5	-316.0	9,378.9	0.00	0.00	0.00	
16,500.0	90.00	360.00	6,975.0	9,473.5	-316.0	9,478.8	0.00	0.00	0.00	
16,600.0	90.00	360.00	6,975.0	9,573.5	-316.0	9,578.7	0.00	0.00	0.00	
16,700.0	90.00	360.00	6,975.0	9,673.5	-316.0	9,678.7	0.00	0.00	0.00	
16,765.5	90.00	360.00	6,975.0	9,739.0	-316.0	9,744.1	0.00	0.00	0.00	
Total Depth										

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									
Brewski 8-67-36-25N Ta	0.00	0.00	6,975.0	9,739.0	-316.0	1,475,976.52	3,181,757.57	40° 38' 17.193 N	104° 50' 42.315 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,500.0	1,500.0	Surface	9-5/8	9-5/8	
7,355.0	6,975.0	Intermediate	7	7	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	9-5/8"
2,113.4	2,113.4	0.0	0.0	Begin 2°/100' Nudge
6,423.4	6,402.0	-276.0	-315.5	KOP - Start 10°/100' Build
7,355.0	6,975.0	328.5	-315.5	7" - 655' FSL & 1590' FWL
16,765.5	6,975.0	9,739.0	-316.0	Total Depth