



Project: Weld County, CO
Site: SEC 26 T8N-R67W
Well: GLENMORE TRAIL 7-67-3-34C
Wellbore: Original Wellbore
Design: Plan 4

Reference Details

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Latitude: 40° 37' 34.546 N
Longitude: 104° 52' 6.762 W
Grid Convergence: 0.41° West
Ground Elevation: 5154.0
KB Elevation: KB @ 5180.0usft



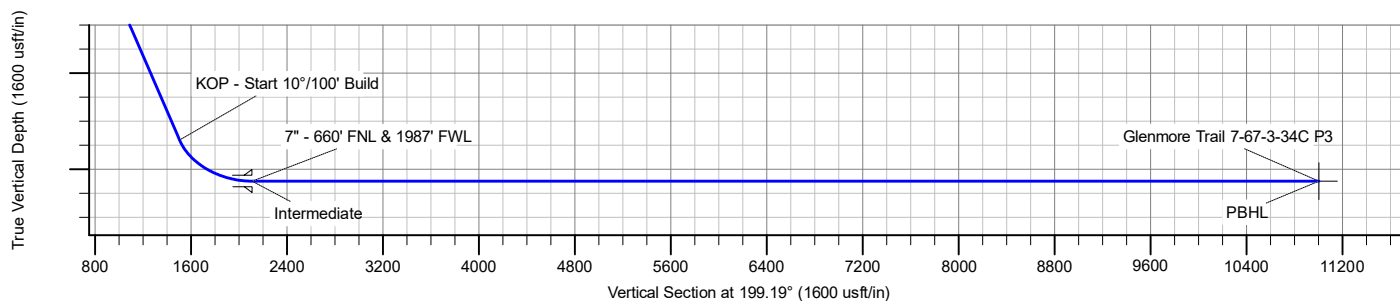
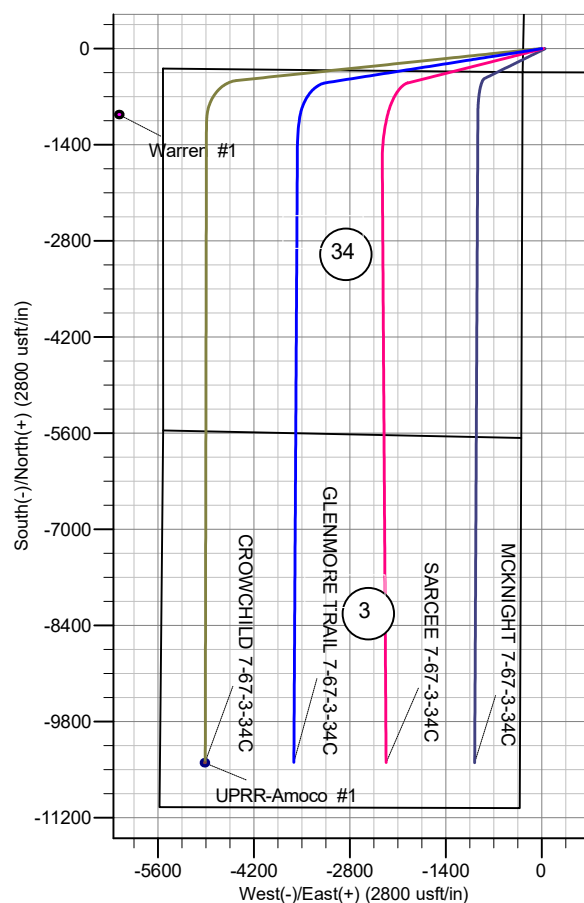
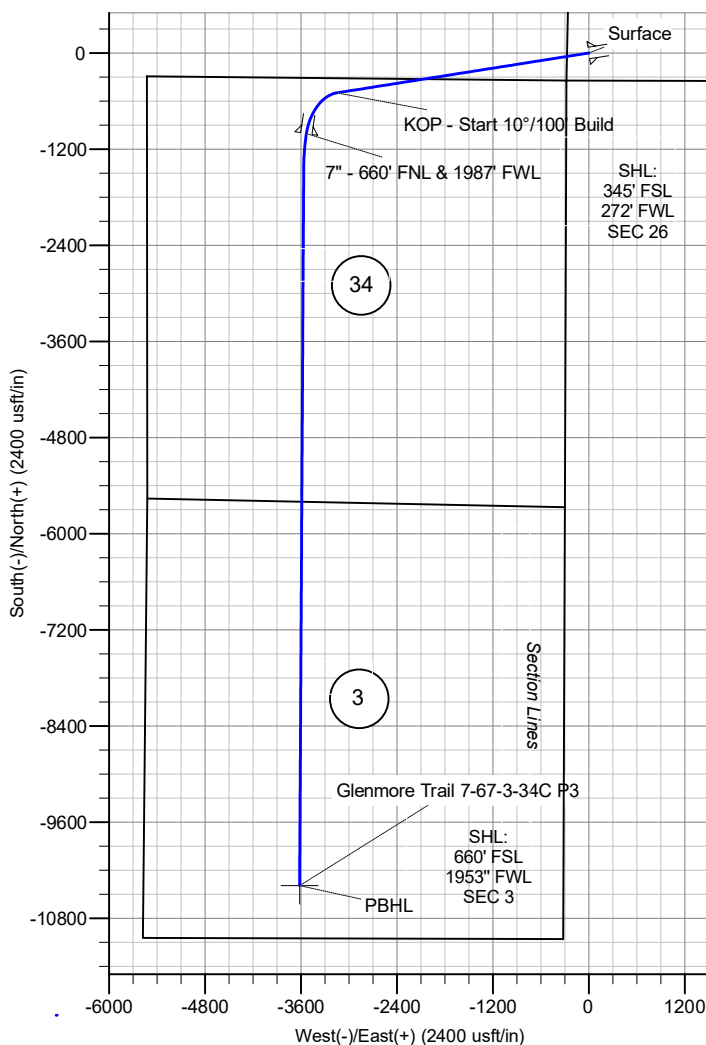
RPM Consulting, Inc.
1600 Broadway, Suite 1480
Denver, CO 80202
303-595-7625

SECTION 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
2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0
4839.2	42.59	261.04	4584.9	-157.0	-995.2	1.50	261.04	475.4
8062.3	42.59	261.04	6957.8	-496.9	-3149.7	0.00	0.00	1504.4
8843.2	90.00	188.79	7300.0	-1005.2	-3531.3	10.00	283.27	2109.9
9266.2	90.00	180.33	7300.0	-1426.5	-3564.9	2.00	-90.00	2518.9
18232.4	90.00	180.33	7300.0	-10392.6	-3616.5	0.00	0.00	11003.8

CASING DETAILS

TVD	MD	Name
1600.0	1600.0	Surface
7300.0	8843.2	Intermediate



Enerplus Resources (USA) Corporation

**Weld County, CO
SEC 26 T8N-R67W
GLENMORE TRAIL 7-67-3-34C**

Original Wellbore

Plan: Plan 4

Standard Planning Report

17 September, 2020

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well GLENMORE TRAIL 7-67-3-34C
Company:	Enerplus Resources (USA) Corporation	TVD Reference:	KB @ 5180.0usft
Project:	Weld County, CO	MD Reference:	KB @ 5180.0usft
Site:	SEC 26 T8N-R67W	North Reference:	True
Well:	GLENMORE TRAIL 7-67-3-34C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 4		

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

Site		SEC 26 T8N-R67W			
Site Position:		Northing:	1,471,710.17 usft	Latitude:	40° 37' 35.306 N
From:	Lat/Long	Easting:	3,178,017.95 usft	Longitude:	104° 51' 31.223 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	GLENMORE TRAIL 7-67-3-34C					
Well Position	+N/-S	-76.8 usft	Northing:	1,471,613.61 usft	Latitude:	40° 37' 34.546 N
	+E/-W	-2,740.3 usft	Easting:	3,175,278.30 usft	Longitude:	104° 52' 6.762 W
Position Uncertainty	0.0 usft		Wellhead Elevation:		Ground Level:	5,154.0 usft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/31/2020	7.93	66.93	52,110.40507809

Design	Plan 4			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	199.19

Plan Survey Tool Program	Date	9/16/2020		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,232.4	Plan 4 (Original Wellbore)	MWD
				OWSG MWD - Standard

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,839.2	42.59	261.04	4,584.9	-157.0	-995.2	1.50	1.50	0.00	261.04	
8,062.3	42.59	261.04	6,957.8	-496.9	-3,149.7	0.00	0.00	0.00	0.00	
8,843.2	90.00	188.79	7,300.0	-1,005.2	-3,531.3	10.00	6.07	-9.25	283.27	
9,266.2	90.00	180.33	7,300.0	-1,426.5	-3,564.9	2.00	0.00	-2.00	-90.00	
18,232.4	90.00	180.33	7,300.0	-10,392.6	-3,616.5	0.00	0.00	0.00	0.00	Glenmore Trail 7-67-3

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well GLENMORE TRAIL 7-67-3-34C
Company:	Enerplus Resources (USA) Corporation	TVD Reference:	KB @ 5180.0usft
Project:	Weld County, CO	MD Reference:	KB @ 5180.0usft
Site:	SEC 26 T8N-R67W	North Reference:	True
Well:	GLENMORE TRAIL 7-67-3-34C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 4		

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
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9-5/8" - Surface									
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
Begin 1.5° Nudge									
2,100.0	1.50	261.04	2,100.0	-0.2	-1.3	0.6	1.50	1.50	0.00
2,200.0	3.00	261.04	2,199.9	-0.8	-5.2	2.5	1.50	1.50	0.00
2,300.0	4.50	261.04	2,299.7	-1.8	-11.6	5.6	1.50	1.50	0.00
2,400.0	6.00	261.04	2,399.3	-3.3	-20.7	9.9	1.50	1.50	0.00
2,500.0	7.50	261.04	2,498.6	-5.1	-32.3	15.4	1.50	1.50	0.00
2,600.0	9.00	261.04	2,597.5	-7.3	-46.5	22.2	1.50	1.50	0.00
2,700.0	10.50	261.04	2,696.1	-10.0	-63.2	30.2	1.50	1.50	0.00
2,800.0	12.00	261.04	2,794.2	-13.0	-82.5	39.4	1.50	1.50	0.00
2,900.0	13.50	261.04	2,891.7	-16.4	-104.2	49.8	1.50	1.50	0.00
3,000.0	15.00	261.04	2,988.6	-20.3	-128.6	61.4	1.50	1.50	0.00
3,100.0	16.50	261.04	3,084.9	-24.5	-155.4	74.2	1.50	1.50	0.00
3,200.0	18.00	261.04	3,180.4	-29.1	-184.7	88.2	1.50	1.50	0.00
3,300.0	19.50	261.04	3,275.0	-34.1	-216.4	103.4	1.50	1.50	0.00
3,400.0	21.00	261.04	3,368.9	-39.5	-250.6	119.7	1.50	1.50	0.00
3,500.0	22.50	261.04	3,461.7	-45.3	-287.2	137.2	1.50	1.50	0.00
3,600.0	24.00	261.04	3,553.6	-51.5	-326.2	155.8	1.50	1.50	0.00
3,700.0	25.50	261.04	3,644.4	-58.0	-367.6	175.6	1.50	1.50	0.00
3,800.0	27.00	261.04	3,734.1	-64.9	-411.2	196.4	1.50	1.50	0.00
3,900.0	28.50	261.04	3,822.6	-72.1	-457.2	218.4	1.50	1.50	0.00
4,000.0	30.00	261.04	3,909.9	-79.7	-505.5	241.4	1.50	1.50	0.00
4,100.0	31.50	261.04	3,995.8	-87.7	-556.0	265.6	1.50	1.50	0.00
4,200.0	33.00	261.04	4,080.4	-96.0	-608.7	290.7	1.50	1.50	0.00
4,300.0	34.50	261.04	4,163.5	-104.7	-663.6	317.0	1.50	1.50	0.00
4,400.0	36.00	261.04	4,245.2	-113.7	-720.6	344.2	1.50	1.50	0.00
4,500.0	37.50	261.04	4,325.3	-123.0	-779.7	372.4	1.50	1.50	0.00
4,600.0	39.00	261.04	4,403.8	-132.6	-840.8	401.6	1.50	1.50	0.00
4,700.0	40.50	261.04	4,480.7	-142.6	-904.0	431.8	1.50	1.50	0.00
4,800.0	42.00	261.04	4,555.9	-152.9	-969.1	462.9	1.50	1.50	0.00
4,839.2	42.59	261.04	4,584.9	-157.0	-995.2	475.4	1.50	1.50	0.00
Begin 42.59° Tangent									

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well GLENMORE TRAIL 7-67-3-34C
Company:	Enerplus Resources (USA) Corporation	TVD Reference:	KB @ 5180.0usft
Project:	Weld County, CO	MD Reference:	KB @ 5180.0usft
Site:	SEC 26 T8N-R67W	North Reference:	True
Well:	GLENMORE TRAIL 7-67-3-34C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 4		

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)
4,900.0	42.59	261.04	4,629.7	-163.4	-1,035.8	494.8	0.00	0.00	0.00
5,000.0	42.59	261.04	4,703.3	-174.0	-1,102.7	526.7	0.00	0.00	0.00
5,100.0	42.59	261.04	4,776.9	-184.5	-1,169.5	558.6	0.00	0.00	0.00
5,200.0	42.59	261.04	4,850.5	-195.0	-1,236.4	590.5	0.00	0.00	0.00
5,300.0	42.59	261.04	4,924.1	-205.6	-1,303.2	622.5	0.00	0.00	0.00
5,400.0	42.59	261.04	4,997.8	-216.1	-1,370.1	654.4	0.00	0.00	0.00
5,500.0	42.59	261.04	5,071.4	-226.7	-1,436.9	686.3	0.00	0.00	0.00
5,600.0	42.59	261.04	5,145.0	-237.2	-1,503.7	718.3	0.00	0.00	0.00
5,700.0	42.59	261.04	5,218.6	-247.8	-1,570.6	750.2	0.00	0.00	0.00
5,800.0	42.59	261.04	5,292.3	-258.3	-1,637.4	782.1	0.00	0.00	0.00
5,900.0	42.59	261.04	5,365.9	-268.9	-1,704.3	814.1	0.00	0.00	0.00
6,000.0	42.59	261.04	5,439.5	-279.4	-1,771.1	846.0	0.00	0.00	0.00
6,100.0	42.59	261.04	5,513.1	-290.0	-1,838.0	877.9	0.00	0.00	0.00
6,200.0	42.59	261.04	5,586.8	-300.5	-1,904.8	909.8	0.00	0.00	0.00
6,300.0	42.59	261.04	5,660.4	-311.0	-1,971.7	941.8	0.00	0.00	0.00
6,400.0	42.59	261.04	5,734.0	-321.6	-2,038.5	973.7	0.00	0.00	0.00
6,500.0	42.59	261.04	5,807.6	-332.1	-2,105.4	1,005.6	0.00	0.00	0.00
6,600.0	42.59	261.04	5,881.3	-342.7	-2,172.2	1,037.6	0.00	0.00	0.00
6,700.0	42.59	261.04	5,954.9	-353.2	-2,239.0	1,069.5	0.00	0.00	0.00
6,800.0	42.59	261.04	6,028.5	-363.8	-2,305.9	1,101.4	0.00	0.00	0.00
6,900.0	42.59	261.04	6,102.1	-374.3	-2,372.7	1,133.3	0.00	0.00	0.00
7,000.0	42.59	261.04	6,175.8	-384.9	-2,439.6	1,165.3	0.00	0.00	0.00
7,100.0	42.59	261.04	6,249.4	-395.4	-2,506.4	1,197.2	0.00	0.00	0.00
7,200.0	42.59	261.04	6,323.0	-406.0	-2,573.3	1,229.1	0.00	0.00	0.00
7,300.0	42.59	261.04	6,396.6	-416.5	-2,640.1	1,261.1	0.00	0.00	0.00
7,400.0	42.59	261.04	6,470.2	-427.0	-2,707.0	1,293.0	0.00	0.00	0.00
7,500.0	42.59	261.04	6,543.9	-437.6	-2,773.8	1,324.9	0.00	0.00	0.00
7,600.0	42.59	261.04	6,617.5	-448.1	-2,840.7	1,356.8	0.00	0.00	0.00
7,700.0	42.59	261.04	6,691.1	-458.7	-2,907.5	1,388.8	0.00	0.00	0.00
7,800.0	42.59	261.04	6,764.7	-469.2	-2,974.3	1,420.7	0.00	0.00	0.00
7,900.0	42.59	261.04	6,838.4	-479.8	-3,041.2	1,452.6	0.00	0.00	0.00
8,000.0	42.59	261.04	6,912.0	-490.3	-3,108.0	1,484.6	0.00	0.00	0.00
8,062.3	42.59	261.04	6,957.9	-496.9	-3,149.7	1,504.4	0.00	0.00	0.00
KOP - Start 10°/100' Build									
8,100.0	43.58	255.70	6,985.4	-502.1	-3,174.9	1,517.6	10.01	2.63	-14.14
8,200.0	47.30	242.66	7,055.7	-527.5	-3,241.1	1,563.4	10.00	3.73	-13.05
8,300.0	52.33	231.32	7,120.3	-569.3	-3,304.8	1,623.8	10.00	5.02	-11.34
8,400.0	58.29	221.54	7,177.3	-626.0	-3,364.0	1,696.8	10.00	5.96	-9.78
8,500.0	64.90	213.00	7,224.9	-696.0	-3,417.0	1,780.3	10.00	6.61	-8.54
8,600.0	71.95	205.37	7,261.7	-777.1	-3,462.2	1,871.8	10.00	7.05	-7.63
8,700.0	79.28	198.33	7,286.6	-866.9	-3,498.1	1,968.4	10.00	7.33	-7.03
8,800.0	86.75	191.64	7,298.8	-962.7	-3,523.7	2,067.3	10.00	7.48	-6.70
8,843.2	90.00	188.79	7,300.0	-1,005.2	-3,531.3	2,109.9	9.99	7.52	-6.59
7" - 660' FNL & 1987' FWL - Intermediate									
8,900.0	90.00	187.65	7,300.0	-1,061.4	-3,539.4	2,165.7	2.00	0.00	-2.00
9,000.0	90.00	185.65	7,300.0	-1,160.7	-3,551.0	2,263.3	2.00	0.00	-2.00
9,100.0	90.00	183.65	7,300.0	-1,260.4	-3,559.1	2,360.1	2.00	0.00	-2.00
9,200.0	90.00	181.65	7,300.0	-1,360.3	-3,563.8	2,456.0	2.00	0.00	-2.00
9,266.2	90.00	180.33	7,300.0	-1,426.5	-3,564.9	2,518.9	2.00	0.00	-2.00
9,300.0	90.00	180.33	7,300.0	-1,460.3	-3,565.1	2,550.8	0.00	0.00	0.00
9,400.0	90.00	180.33	7,300.0	-1,560.3	-3,565.7	2,645.5	0.00	0.00	0.00
9,500.0	90.00	180.33	7,300.0	-1,660.3	-3,566.3	2,740.1	0.00	0.00	0.00
9,600.0	90.00	180.33	7,300.0	-1,760.3	-3,566.8	2,834.7	0.00	0.00	0.00
9,700.0	90.00	180.33	7,300.0	-1,860.3	-3,567.4	2,929.4	0.00	0.00	0.00

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well GLENMORE TRAIL 7-67-3-34C
Company:	Enerplus Resources (USA) Corporation	TVD Reference:	KB @ 5180.0usft
Project:	Weld County, CO	MD Reference:	KB @ 5180.0usft
Site:	SEC 26 T8N-R67W	North Reference:	True
Well:	GLENMORE TRAIL 7-67-3-34C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 4		

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)
9,800.0	90.00	180.33	7,300.0	-1,960.3	-3,568.0	3,024.0	0.00	0.00	0.00
9,900.0	90.00	180.33	7,300.0	-2,060.3	-3,568.6	3,118.6	0.00	0.00	0.00
10,000.0	90.00	180.33	7,300.0	-2,160.2	-3,569.1	3,213.3	0.00	0.00	0.00
10,100.0	90.00	180.33	7,300.0	-2,260.2	-3,569.7	3,307.9	0.00	0.00	0.00
10,200.0	90.00	180.33	7,300.0	-2,360.2	-3,570.3	3,402.5	0.00	0.00	0.00
10,300.0	90.00	180.33	7,300.0	-2,460.2	-3,570.9	3,497.2	0.00	0.00	0.00
10,400.0	90.00	180.33	7,300.0	-2,560.2	-3,571.4	3,591.8	0.00	0.00	0.00
10,500.0	90.00	180.33	7,300.0	-2,660.2	-3,572.0	3,686.4	0.00	0.00	0.00
10,600.0	90.00	180.33	7,300.0	-2,760.2	-3,572.6	3,781.1	0.00	0.00	0.00
10,700.0	90.00	180.33	7,300.0	-2,860.2	-3,573.2	3,875.7	0.00	0.00	0.00
10,800.0	90.00	180.33	7,300.0	-2,960.2	-3,573.7	3,970.3	0.00	0.00	0.00
10,900.0	90.00	180.33	7,300.0	-3,060.2	-3,574.3	4,065.0	0.00	0.00	0.00
11,000.0	90.00	180.33	7,300.0	-3,160.2	-3,574.9	4,159.6	0.00	0.00	0.00
11,100.0	90.00	180.33	7,300.0	-3,260.2	-3,575.5	4,254.2	0.00	0.00	0.00
11,200.0	90.00	180.33	7,300.0	-3,360.2	-3,576.0	4,348.9	0.00	0.00	0.00
11,300.0	90.00	180.33	7,300.0	-3,460.2	-3,576.6	4,443.5	0.00	0.00	0.00
11,400.0	90.00	180.33	7,300.0	-3,560.2	-3,577.2	4,538.1	0.00	0.00	0.00
11,500.0	90.00	180.33	7,300.0	-3,660.2	-3,577.8	4,632.7	0.00	0.00	0.00
11,600.0	90.00	180.33	7,300.0	-3,760.2	-3,578.3	4,727.4	0.00	0.00	0.00
11,700.0	90.00	180.33	7,300.0	-3,860.2	-3,578.9	4,822.0	0.00	0.00	0.00
11,800.0	90.00	180.33	7,300.0	-3,960.2	-3,579.5	4,916.6	0.00	0.00	0.00
11,900.0	90.00	180.33	7,300.0	-4,060.2	-3,580.1	5,011.3	0.00	0.00	0.00
12,000.0	90.00	180.33	7,300.0	-4,160.2	-3,580.6	5,105.9	0.00	0.00	0.00
12,100.0	90.00	180.33	7,300.0	-4,260.2	-3,581.2	5,200.5	0.00	0.00	0.00
12,200.0	90.00	180.33	7,300.0	-4,360.2	-3,581.8	5,295.2	0.00	0.00	0.00
12,300.0	90.00	180.33	7,300.0	-4,460.2	-3,582.4	5,389.8	0.00	0.00	0.00
12,400.0	90.00	180.33	7,300.0	-4,560.2	-3,582.9	5,484.4	0.00	0.00	0.00
12,500.0	90.00	180.33	7,300.0	-4,660.2	-3,583.5	5,579.1	0.00	0.00	0.00
12,600.0	90.00	180.33	7,300.0	-4,760.2	-3,584.1	5,673.7	0.00	0.00	0.00
12,700.0	90.00	180.33	7,300.0	-4,860.2	-3,584.7	5,768.3	0.00	0.00	0.00
12,800.0	90.00	180.33	7,300.0	-4,960.2	-3,585.2	5,863.0	0.00	0.00	0.00
12,900.0	90.00	180.33	7,300.0	-5,060.2	-3,585.8	5,957.6	0.00	0.00	0.00
13,000.0	90.00	180.33	7,300.0	-5,160.2	-3,586.4	6,052.2	0.00	0.00	0.00
13,100.0	90.00	180.33	7,300.0	-5,260.2	-3,587.0	6,146.9	0.00	0.00	0.00
13,200.0	90.00	180.33	7,300.0	-5,360.2	-3,587.5	6,241.5	0.00	0.00	0.00
13,300.0	90.00	180.33	7,300.0	-5,460.2	-3,588.1	6,336.1	0.00	0.00	0.00
13,400.0	90.00	180.33	7,300.0	-5,560.2	-3,588.7	6,430.8	0.00	0.00	0.00
13,500.0	90.00	180.33	7,300.0	-5,660.2	-3,589.3	6,525.4	0.00	0.00	0.00
13,600.0	90.00	180.33	7,300.0	-5,760.2	-3,589.8	6,620.0	0.00	0.00	0.00
13,700.0	90.00	180.33	7,300.0	-5,860.2	-3,590.4	6,714.7	0.00	0.00	0.00
13,800.0	90.00	180.33	7,300.0	-5,960.2	-3,591.0	6,809.3	0.00	0.00	0.00
13,900.0	90.00	180.33	7,300.0	-6,060.2	-3,591.6	6,903.9	0.00	0.00	0.00
14,000.0	90.00	180.33	7,300.0	-6,160.2	-3,592.1	6,998.6	0.00	0.00	0.00
14,100.0	90.00	180.33	7,300.0	-6,260.2	-3,592.7	7,093.2	0.00	0.00	0.00
14,200.0	90.00	180.33	7,300.0	-6,360.2	-3,593.3	7,187.8	0.00	0.00	0.00
14,300.0	90.00	180.33	7,300.0	-6,460.2	-3,593.9	7,282.5	0.00	0.00	0.00
14,400.0	90.00	180.33	7,300.0	-6,560.2	-3,594.4	7,377.1	0.00	0.00	0.00
14,500.0	90.00	180.33	7,300.0	-6,660.2	-3,595.0	7,471.7	0.00	0.00	0.00
14,600.0	90.00	180.33	7,300.0	-6,760.2	-3,595.6	7,566.4	0.00	0.00	0.00
14,700.0	90.00	180.33	7,300.0	-6,860.2	-3,596.2	7,661.0	0.00	0.00	0.00
14,800.0	90.00	180.33	7,300.0	-6,960.2	-3,596.7	7,755.6	0.00	0.00	0.00
14,900.0	90.00	180.33	7,300.0	-7,060.2	-3,597.3	7,850.2	0.00	0.00	0.00
15,000.0	90.00	180.33	7,300.0	-7,160.2	-3,597.9	7,944.9	0.00	0.00	0.00
15,100.0	90.00	180.33	7,300.0	-7,260.2	-3,598.5	8,039.5	0.00	0.00	0.00

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well GLENMORE TRAIL 7-67-3-34C
Company:	Enerplus Resources (USA) Corporation	TVD Reference:	KB @ 5180.0usft
Project:	Weld County, CO	MD Reference:	KB @ 5180.0usft
Site:	SEC 26 T8N-R67W	North Reference:	True
Well:	GLENMORE TRAIL 7-67-3-34C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 4		

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)	
15,200.0	90.00	180.33	7,300.0	-7,360.2	-3,599.0	8,134.1	0.00	0.00	0.00	
15,300.0	90.00	180.33	7,300.0	-7,460.2	-3,599.6	8,228.8	0.00	0.00	0.00	
15,400.0	90.00	180.33	7,300.0	-7,560.2	-3,600.2	8,323.4	0.00	0.00	0.00	
15,500.0	90.00	180.33	7,300.0	-7,660.2	-3,600.8	8,418.0	0.00	0.00	0.00	
15,600.0	90.00	180.33	7,300.0	-7,760.2	-3,601.3	8,512.7	0.00	0.00	0.00	
15,700.0	90.00	180.33	7,300.0	-7,860.2	-3,601.9	8,607.3	0.00	0.00	0.00	
15,800.0	90.00	180.33	7,300.0	-7,960.2	-3,602.5	8,701.9	0.00	0.00	0.00	
15,900.0	90.00	180.33	7,300.0	-8,060.2	-3,603.1	8,796.6	0.00	0.00	0.00	
16,000.0	90.00	180.33	7,300.0	-8,160.2	-3,603.6	8,891.2	0.00	0.00	0.00	
16,100.0	90.00	180.33	7,300.0	-8,260.1	-3,604.2	8,985.8	0.00	0.00	0.00	
16,200.0	90.00	180.33	7,300.0	-8,360.1	-3,604.8	9,080.5	0.00	0.00	0.00	
16,300.0	90.00	180.33	7,300.0	-8,460.1	-3,605.4	9,175.1	0.00	0.00	0.00	
16,400.0	90.00	180.33	7,300.0	-8,560.1	-3,605.9	9,269.7	0.00	0.00	0.00	
16,500.0	90.00	180.33	7,300.0	-8,660.1	-3,606.5	9,364.4	0.00	0.00	0.00	
16,600.0	90.00	180.33	7,300.0	-8,760.1	-3,607.1	9,459.0	0.00	0.00	0.00	
16,700.0	90.00	180.33	7,300.0	-8,860.1	-3,607.7	9,553.6	0.00	0.00	0.00	
16,800.0	90.00	180.33	7,300.0	-8,960.1	-3,608.2	9,648.3	0.00	0.00	0.00	
16,900.0	90.00	180.33	7,300.0	-9,060.1	-3,608.8	9,742.9	0.00	0.00	0.00	
17,000.0	90.00	180.33	7,300.0	-9,160.1	-3,609.4	9,837.5	0.00	0.00	0.00	
17,100.0	90.00	180.33	7,300.0	-9,260.1	-3,610.0	9,932.2	0.00	0.00	0.00	
17,200.0	90.00	180.33	7,300.0	-9,360.1	-3,610.5	10,026.8	0.00	0.00	0.00	
17,300.0	90.00	180.33	7,300.0	-9,460.1	-3,611.1	10,121.4	0.00	0.00	0.00	
17,400.0	90.00	180.33	7,300.0	-9,560.1	-3,611.7	10,216.1	0.00	0.00	0.00	
17,500.0	90.00	180.33	7,300.0	-9,660.1	-3,612.3	10,310.7	0.00	0.00	0.00	
17,600.0	90.00	180.33	7,300.0	-9,760.1	-3,612.8	10,405.3	0.00	0.00	0.00	
17,700.0	90.00	180.33	7,300.0	-9,860.1	-3,613.4	10,500.0	0.00	0.00	0.00	
17,800.0	90.00	180.33	7,300.0	-9,960.1	-3,614.0	10,594.6	0.00	0.00	0.00	
17,900.0	90.00	180.33	7,300.0	-10,060.1	-3,614.6	10,689.2	0.00	0.00	0.00	
18,000.0	90.00	180.33	7,300.0	-10,160.1	-3,615.1	10,783.9	0.00	0.00	0.00	
18,100.0	90.00	180.33	7,300.0	-10,260.1	-3,615.7	10,878.5	0.00	0.00	0.00	
18,200.0	90.00	180.33	7,300.0	-10,360.1	-3,616.3	10,973.1	0.00	0.00	0.00	
18,232.4	90.00	180.33	7,300.0	-10,392.6	-3,616.5	11,003.8	0.00	0.00	0.00	
PBHL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		
- hit/miss target										
- Shape								Longitude		
Glenmore Trail 7-67-3-34	0.00	0.00	7,300.0	-10,392.6	-3,616.5	1,461,195.56	3,171,735.93	40° 35' 51.850 N		
- plan hits target center										
- Point								104° 52' 53.645 W		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
1,600.0	1,600.0	Surface		9-5/8	9-5/8
8,843.2	7,300.0	Intermediate		7	7

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well GLENMORE TRAIL 7-67-3-34C
Company:	Enerplus Resources (USA) Corporation	TVD Reference:	KB @ 5180.0usft
Project:	Weld County, CO	MD Reference:	KB @ 5180.0usft
Site:	SEC 26 T8N-R67W	North Reference:	True
Well:	GLENMORE TRAIL 7-67-3-34C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 4		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,600.0	1,600.0	0.0	0.0	9-5/8"
2,000.0	2,000.0	0.0	0.0	Begin 1.5° Nudge
4,839.2	4,584.9	-157.0	-995.2	Begin 42.59° Tangent
8,062.3	6,957.9	-496.9	-3,149.7	KOP - Start 10°/100' Build
8,843.2	7,300.0	-1,005.2	-3,531.3	7" - 660' FNL & 1987' FWL
18,232.4	7,300.0	-10,392.6	-3,616.5	PBHL