



# **Fifth Creek Energy**

**State Line**

**Critter Creek 21-4 Pad**

**Critter Creek 541-2109H**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**06 September, 2017**

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Critter Creek 541-2109H
<b>Company:</b>	Fifth Creek Energy	<b>TVD Reference:</b>	KB @ 5274.0usft (Original Well Elev)
<b>Project:</b>	State Line	<b>MD Reference:</b>	KB @ 5274.0usft (Original Well Elev)
<b>Site:</b>	Critter Creek 21-4 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Critter Creek 541-2109H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Project	State Line		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site						Critter Creek 21-4 Pad											
<b>Site Position:</b>						<b>Northing:</b>			1,577,656.13 usft			<b>Latitude:</b>			40° 54' 51.329 N		
<b>From:</b>			Lat/Long			<b>Easting:</b>			3,292,052.40 usft			<b>Longitude:</b>			104° 26' 36.010 W		
<b>Position Uncertainty:</b>			0.0 usft			<b>Slot Radius:</b>			13-3/16 "			<b>Grid Convergence:</b>			0.68		

Well	Critter Creek 541-2109H					
Well Position	+N/-S	0.0 usft	Northing:	1,577,655.83 usft	Latitude:	40° 54' 51.329 N
	+E/-W	-24.6 usft	Easting:	3,292,027.80 usft	Longitude:	104° 26' 36.330 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	5,259.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/6/2017	8.06	67.31	52,661.41077493

Design	Design #1			
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	357.84

Plan Survey Tool Program			Date 9/6/2017	
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,908.7	Design #1 (Wellbore #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
0.0	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	
1,733.0	4.66	273.36	1,732.8	0.6	-9.5	2.00	2.00	0.00	273.36	
6,813.3	4.66	273.36	6,796.3	24.7	-421.6	0.00	0.00	0.00	0.00	
7,046.4	0.00	0.18	7,029.0	25.3	-431.0	2.00	-2.00	0.00	180.00	
7,947.5	90.12	0.18	7,602.0	599.4	-429.2	10.00	10.00	0.00	0.00	CC 541-2109H LP
17,908.7	90.12	0.18	7,582.0	10,560.5	-398.4	0.00	0.00	0.00	0.00	CC 541-2109H PBH

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<b>Project:</b>	State Line	<b>MD Reference:</b>	KB @ 5274.0usft (Original Well Elev)
<b>Site:</b>	Critter Creek 21-4 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Critter Creek 541-2109H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #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)
0.0	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	2.00	273.36	1,600.0	0.1	-1.7	0.2	2.00	2.00	0.00
1,700.0	4.00	273.36	1,699.8	0.4	-7.0	0.7	2.00	2.00	0.00
1,733.0	4.66	273.36	1,732.8	0.6	-9.5	0.9	2.00	2.00	0.00
1,800.0	4.66	273.36	1,799.5	0.9	-14.9	1.4	0.00	0.00	0.00
1,900.0	4.66	273.36	1,899.2	1.3	-23.0	2.2	0.00	0.00	0.00
2,000.0	4.66	273.36	1,998.9	1.8	-31.1	3.0	0.00	0.00	0.00
2,100.0	4.66	273.36	2,098.5	2.3	-39.2	3.8	0.00	0.00	0.00
2,200.0	4.66	273.36	2,198.2	2.8	-47.3	4.6	0.00	0.00	0.00
2,300.0	4.66	273.36	2,297.9	3.3	-55.4	5.3	0.00	0.00	0.00
2,400.0	4.66	273.36	2,397.5	3.7	-63.6	6.1	0.00	0.00	0.00
2,500.0	4.66	273.36	2,497.2	4.2	-71.7	6.9	0.00	0.00	0.00
2,600.0	4.66	273.36	2,596.9	4.7	-79.8	7.7	0.00	0.00	0.00
2,700.0	4.66	273.36	2,696.5	5.2	-87.9	8.5	0.00	0.00	0.00
2,800.0	4.66	273.36	2,796.2	5.6	-96.0	9.2	0.00	0.00	0.00
2,900.0	4.66	273.36	2,895.9	6.1	-104.1	10.0	0.00	0.00	0.00
3,000.0	4.66	273.36	2,995.6	6.6	-112.2	10.8	0.00	0.00	0.00
3,100.0	4.66	273.36	3,095.2	7.1	-120.3	11.6	0.00	0.00	0.00
3,200.0	4.66	273.36	3,194.9	7.5	-128.5	12.4	0.00	0.00	0.00
3,300.0	4.66	273.36	3,294.6	8.0	-136.6	13.1	0.00	0.00	0.00
3,400.0	4.66	273.36	3,394.2	8.5	-144.7	13.9	0.00	0.00	0.00
3,500.0	4.66	273.36	3,493.9	9.0	-152.8	14.7	0.00	0.00	0.00
3,600.0	4.66	273.36	3,593.6	9.4	-160.9	15.5	0.00	0.00	0.00
3,700.0	4.66	273.36	3,693.2	9.9	-169.0	16.3	0.00	0.00	0.00
3,800.0	4.66	273.36	3,792.9	10.4	-177.1	17.1	0.00	0.00	0.00
3,900.0	4.66	273.36	3,892.6	10.9	-185.2	17.8	0.00	0.00	0.00
4,000.0	4.66	273.36	3,992.2	11.3	-193.3	18.6	0.00	0.00	0.00
4,100.0	4.66	273.36	4,091.9	11.8	-201.5	19.4	0.00	0.00	0.00
4,200.0	4.66	273.36	4,191.6	12.3	-209.6	20.2	0.00	0.00	0.00
4,300.0	4.66	273.36	4,291.3	12.8	-217.7	21.0	0.00	0.00	0.00
4,400.0	4.66	273.36	4,390.9	13.2	-225.8	21.7	0.00	0.00	0.00
4,500.0	4.66	273.36	4,490.6	13.7	-233.9	22.5	0.00	0.00	0.00
4,600.0	4.66	273.36	4,590.3	14.2	-242.0	23.3	0.00	0.00	0.00
4,700.0	4.66	273.36	4,689.9	14.7	-250.1	24.1	0.00	0.00	0.00
4,800.0	4.66	273.36	4,789.6	15.1	-258.2	24.9	0.00	0.00	0.00
4,900.0	4.66	273.36	4,889.3	15.6	-266.4	25.6	0.00	0.00	0.00
5,000.0	4.66	273.36	4,988.9	16.1	-274.5	26.4	0.00	0.00	0.00
5,100.0	4.66	273.36	5,088.6	16.6	-282.6	27.2	0.00	0.00	0.00
5,200.0	4.66	273.36	5,188.3	17.0	-290.7	28.0	0.00	0.00	0.00

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<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #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)
5,300.0	4.66	273.36	5,287.9	17.5	-298.8	28.8	0.00	0.00	0.00
5,400.0	4.66	273.36	5,387.6	18.0	-306.9	29.6	0.00	0.00	0.00
5,500.0	4.66	273.36	5,487.3	18.5	-315.0	30.3	0.00	0.00	0.00
5,600.0	4.66	273.36	5,587.0	18.9	-323.1	31.1	0.00	0.00	0.00
5,700.0	4.66	273.36	5,686.6	19.4	-331.2	31.9	0.00	0.00	0.00
5,800.0	4.66	273.36	5,786.3	19.9	-339.4	32.7	0.00	0.00	0.00
5,900.0	4.66	273.36	5,886.0	20.4	-347.5	33.5	0.00	0.00	0.00
6,000.0	4.66	273.36	5,985.6	20.8	-355.6	34.2	0.00	0.00	0.00
6,100.0	4.66	273.36	6,085.3	21.3	-363.7	35.0	0.00	0.00	0.00
6,200.0	4.66	273.36	6,185.0	21.8	-371.8	35.8	0.00	0.00	0.00
6,300.0	4.66	273.36	6,284.6	22.3	-379.9	36.6	0.00	0.00	0.00
6,400.0	4.66	273.36	6,384.3	22.8	-388.0	37.4	0.00	0.00	0.00
6,500.0	4.66	273.36	6,484.0	23.2	-396.1	38.1	0.00	0.00	0.00
6,600.0	4.66	273.36	6,583.6	23.7	-404.3	38.9	0.00	0.00	0.00
6,700.0	4.66	273.36	6,683.3	24.2	-412.4	39.7	0.00	0.00	0.00
6,800.0	4.66	273.36	6,783.0	24.7	-420.5	40.5	0.00	0.00	0.00
6,813.3	4.66	273.36	6,796.3	24.7	-421.6	40.6	0.00	0.00	0.00
6,900.0	2.93	273.36	6,882.8	25.1	-427.3	41.1	2.00	-2.00	0.00
7,000.0	0.93	273.36	6,982.7	25.2	-430.6	41.5	2.00	-2.00	0.00
7,046.4	0.00	0.18	7,029.0	25.3	-431.0	41.5	2.00	-2.00	0.00
7,100.0	5.36	0.18	7,082.6	27.8	-431.0	44.0	10.00	10.00	0.00
7,200.0	15.36	0.18	7,180.9	45.7	-430.9	62.0	10.00	10.00	0.00
7,300.0	25.36	0.18	7,274.5	80.5	-430.8	96.7	10.00	10.00	0.00
7,400.0	35.36	0.18	7,360.7	131.0	-430.7	147.1	10.00	10.00	0.00
7,500.0	45.36	0.18	7,436.8	195.7	-430.5	211.8	10.00	10.00	0.00
7,600.0	55.36	0.18	7,500.5	272.6	-430.2	288.6	10.00	10.00	0.00
7,700.0	65.36	0.18	7,549.8	359.4	-430.0	375.3	10.00	10.00	0.00
7,800.0	75.36	0.18	7,583.4	453.5	-429.7	469.3	10.00	10.00	0.00
7,900.0	85.36	0.18	7,600.1	551.9	-429.4	567.7	10.00	10.00	0.00
7,947.5	90.12	0.18	7,602.0	599.4	-429.2	615.1	10.00	10.00	0.00
8,000.0	90.12	0.18	7,601.9	651.9	-429.1	667.6	0.00	0.00	0.00
8,100.0	90.12	0.18	7,601.7	751.9	-428.8	767.5	0.00	0.00	0.00
8,200.0	90.12	0.18	7,601.5	851.9	-428.5	867.4	0.00	0.00	0.00
8,300.0	90.12	0.18	7,601.3	951.9	-428.1	967.3	0.00	0.00	0.00
8,400.0	90.12	0.18	7,601.1	1,051.9	-427.8	1,067.2	0.00	0.00	0.00
8,500.0	90.12	0.18	7,600.9	1,151.9	-427.5	1,167.2	0.00	0.00	0.00
8,600.0	90.12	0.18	7,600.7	1,251.9	-427.2	1,267.1	0.00	0.00	0.00
8,700.0	90.12	0.18	7,600.5	1,351.9	-426.9	1,367.0	0.00	0.00	0.00
8,800.0	90.12	0.18	7,600.3	1,451.9	-426.6	1,466.9	0.00	0.00	0.00
8,900.0	90.12	0.18	7,600.1	1,551.9	-426.3	1,566.8	0.00	0.00	0.00
9,000.0	90.12	0.18	7,599.9	1,651.9	-426.0	1,666.7	0.00	0.00	0.00
9,100.0	90.12	0.18	7,599.7	1,751.9	-425.7	1,766.7	0.00	0.00	0.00
9,200.0	90.12	0.18	7,599.5	1,851.9	-425.4	1,866.6	0.00	0.00	0.00
9,300.0	90.12	0.18	7,599.3	1,951.9	-425.0	1,966.5	0.00	0.00	0.00
9,400.0	90.12	0.18	7,599.1	2,051.9	-424.7	2,066.4	0.00	0.00	0.00
9,500.0	90.12	0.18	7,598.9	2,151.9	-424.4	2,166.3	0.00	0.00	0.00
9,600.0	90.12	0.18	7,598.7	2,251.9	-424.1	2,266.2	0.00	0.00	0.00
9,700.0	90.12	0.18	7,598.5	2,351.9	-423.8	2,366.2	0.00	0.00	0.00
9,800.0	90.12	0.18	7,598.3	2,451.9	-423.5	2,466.1	0.00	0.00	0.00
9,900.0	90.12	0.18	7,598.1	2,551.9	-423.2	2,566.0	0.00	0.00	0.00
10,000.0	90.12	0.18	7,597.9	2,651.9	-422.9	2,665.9	0.00	0.00	0.00
10,100.0	90.12	0.18	7,597.7	2,751.9	-422.6	2,765.8	0.00	0.00	0.00
10,200.0	90.12	0.18	7,597.5	2,851.9	-422.3	2,865.7	0.00	0.00	0.00
10,300.0	90.12	0.18	7,597.3	2,951.9	-422.0	2,965.7	0.00	0.00	0.00

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<b>Well:</b>	Critter Creek 541-2109H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #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)
10,400.0	90.12	0.18	7,597.1	3,051.9	-421.6	3,065.6	0.00	0.00	0.00
10,500.0	90.12	0.18	7,596.9	3,151.9	-421.3	3,165.5	0.00	0.00	0.00
10,600.0	90.12	0.18	7,596.7	3,251.9	-421.0	3,265.4	0.00	0.00	0.00
10,700.0	90.12	0.18	7,596.5	3,351.8	-420.7	3,365.3	0.00	0.00	0.00
10,800.0	90.12	0.18	7,596.3	3,451.8	-420.4	3,465.2	0.00	0.00	0.00
10,900.0	90.12	0.18	7,596.1	3,551.8	-420.1	3,565.2	0.00	0.00	0.00
11,000.0	90.12	0.18	7,595.9	3,651.8	-419.8	3,665.1	0.00	0.00	0.00
11,100.0	90.12	0.18	7,595.7	3,751.8	-419.5	3,765.0	0.00	0.00	0.00
11,200.0	90.12	0.18	7,595.5	3,851.8	-419.2	3,864.9	0.00	0.00	0.00
11,300.0	90.12	0.18	7,595.3	3,951.8	-418.9	3,964.8	0.00	0.00	0.00
11,400.0	90.12	0.18	7,595.1	4,051.8	-418.5	4,064.7	0.00	0.00	0.00
11,500.0	90.12	0.18	7,594.9	4,151.8	-418.2	4,164.7	0.00	0.00	0.00
11,600.0	90.12	0.18	7,594.7	4,251.8	-417.9	4,264.6	0.00	0.00	0.00
11,700.0	90.12	0.18	7,594.5	4,351.8	-417.6	4,364.5	0.00	0.00	0.00
11,800.0	90.12	0.18	7,594.3	4,451.8	-417.3	4,464.4	0.00	0.00	0.00
11,900.0	90.12	0.18	7,594.1	4,551.8	-417.0	4,564.3	0.00	0.00	0.00
12,000.0	90.12	0.18	7,593.9	4,651.8	-416.7	4,664.2	0.00	0.00	0.00
12,100.0	90.12	0.18	7,593.7	4,751.8	-416.4	4,764.2	0.00	0.00	0.00
12,200.0	90.12	0.18	7,593.5	4,851.8	-416.1	4,864.1	0.00	0.00	0.00
12,300.0	90.12	0.18	7,593.3	4,951.8	-415.8	4,964.0	0.00	0.00	0.00
12,400.0	90.12	0.18	7,593.1	5,051.8	-415.4	5,063.9	0.00	0.00	0.00
12,500.0	90.12	0.18	7,592.9	5,151.8	-415.1	5,163.8	0.00	0.00	0.00
12,600.0	90.12	0.18	7,592.7	5,251.8	-414.8	5,263.7	0.00	0.00	0.00
12,700.0	90.12	0.18	7,592.5	5,351.8	-414.5	5,363.7	0.00	0.00	0.00
12,800.0	90.12	0.18	7,592.3	5,451.8	-414.2	5,463.6	0.00	0.00	0.00
12,900.0	90.12	0.18	7,592.1	5,551.8	-413.9	5,563.5	0.00	0.00	0.00
13,000.0	90.12	0.18	7,591.9	5,651.8	-413.6	5,663.4	0.00	0.00	0.00
13,100.0	90.12	0.18	7,591.7	5,751.8	-413.3	5,763.3	0.00	0.00	0.00
13,200.0	90.12	0.18	7,591.5	5,851.8	-413.0	5,863.2	0.00	0.00	0.00
13,300.0	90.12	0.18	7,591.3	5,951.8	-412.7	5,963.2	0.00	0.00	0.00
13,400.0	90.12	0.18	7,591.1	6,051.8	-412.4	6,063.1	0.00	0.00	0.00
13,500.0	90.12	0.18	7,590.9	6,151.8	-412.0	6,163.0	0.00	0.00	0.00
13,600.0	90.12	0.18	7,590.7	6,251.8	-411.7	6,262.9	0.00	0.00	0.00
13,700.0	90.12	0.18	7,590.5	6,351.8	-411.4	6,362.8	0.00	0.00	0.00
13,800.0	90.12	0.18	7,590.2	6,451.8	-411.1	6,462.7	0.00	0.00	0.00
13,900.0	90.12	0.18	7,590.0	6,551.8	-410.8	6,562.7	0.00	0.00	0.00
14,000.0	90.12	0.18	7,589.8	6,651.8	-410.5	6,662.6	0.00	0.00	0.00
14,100.0	90.12	0.18	7,589.6	6,751.8	-410.2	6,762.5	0.00	0.00	0.00
14,200.0	90.12	0.18	7,589.4	6,851.8	-409.9	6,862.4	0.00	0.00	0.00
14,300.0	90.12	0.18	7,589.2	6,951.8	-409.6	6,962.3	0.00	0.00	0.00
14,400.0	90.12	0.18	7,589.0	7,051.8	-409.3	7,062.2	0.00	0.00	0.00
14,500.0	90.12	0.18	7,588.8	7,151.8	-408.9	7,162.2	0.00	0.00	0.00
14,600.0	90.12	0.18	7,588.6	7,251.8	-408.6	7,262.1	0.00	0.00	0.00
14,700.0	90.12	0.18	7,588.4	7,351.8	-408.3	7,362.0	0.00	0.00	0.00
14,800.0	90.12	0.18	7,588.2	7,451.8	-408.0	7,461.9	0.00	0.00	0.00
14,900.0	90.12	0.18	7,588.0	7,551.8	-407.7	7,561.8	0.00	0.00	0.00
15,000.0	90.12	0.18	7,587.8	7,651.8	-407.4	7,661.7	0.00	0.00	0.00
15,100.0	90.12	0.18	7,587.6	7,751.8	-407.1	7,761.7	0.00	0.00	0.00
15,200.0	90.12	0.18	7,587.4	7,851.8	-406.8	7,861.6	0.00	0.00	0.00
15,300.0	90.12	0.18	7,587.2	7,951.8	-406.5	7,961.5	0.00	0.00	0.00
15,400.0	90.12	0.18	7,587.0	8,051.8	-406.2	8,061.4	0.00	0.00	0.00
15,500.0	90.12	0.18	7,586.8	8,151.8	-405.9	8,161.3	0.00	0.00	0.00
15,600.0	90.12	0.18	7,586.6	8,251.8	-405.5	8,261.2	0.00	0.00	0.00
15,700.0	90.12	0.18	7,586.4	8,351.8	-405.2	8,361.2	0.00	0.00	0.00

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Critter Creek 541-2109H
<b>Company:</b>	Fifth Creek Energy	<b>TVD Reference:</b>	KB @ 5274.0usft (Original Well Elev)
<b>Project:</b>	State Line	<b>MD Reference:</b>	KB @ 5274.0usft (Original Well Elev)
<b>Site:</b>	Critter Creek 21-4 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Critter Creek 541-2109H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #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)	
15,800.0	90.12	0.18	7,586.2	8,451.8	-404.9	8,461.1	0.00	0.00	0.00	
15,900.0	90.12	0.18	7,586.0	8,551.8	-404.6	8,561.0	0.00	0.00	0.00	
16,000.0	90.12	0.18	7,585.8	8,651.8	-404.3	8,660.9	0.00	0.00	0.00	
16,100.0	90.12	0.18	7,585.6	8,751.8	-404.0	8,760.8	0.00	0.00	0.00	
16,200.0	90.12	0.18	7,585.4	8,851.8	-403.7	8,860.7	0.00	0.00	0.00	
16,300.0	90.12	0.18	7,585.2	8,951.8	-403.4	8,960.7	0.00	0.00	0.00	
16,400.0	90.12	0.18	7,585.0	9,051.8	-403.1	9,060.6	0.00	0.00	0.00	
16,500.0	90.12	0.18	7,584.8	9,151.8	-402.8	9,160.5	0.00	0.00	0.00	
16,600.0	90.12	0.18	7,584.6	9,251.8	-402.4	9,260.4	0.00	0.00	0.00	
16,700.0	90.12	0.18	7,584.4	9,351.8	-402.1	9,360.3	0.00	0.00	0.00	
16,800.0	90.12	0.18	7,584.2	9,451.8	-401.8	9,460.2	0.00	0.00	0.00	
16,900.0	90.12	0.18	7,584.0	9,551.8	-401.5	9,560.2	0.00	0.00	0.00	
17,000.0	90.12	0.18	7,583.8	9,651.8	-401.2	9,660.1	0.00	0.00	0.00	
17,100.0	90.12	0.18	7,583.6	9,751.8	-400.9	9,760.0	0.00	0.00	0.00	
17,200.0	90.12	0.18	7,583.4	9,851.8	-400.6	9,859.9	0.00	0.00	0.00	
17,300.0	90.12	0.18	7,583.2	9,951.8	-400.3	9,959.8	0.00	0.00	0.00	
17,400.0	90.12	0.18	7,583.0	10,051.8	-400.0	10,059.7	0.00	0.00	0.00	
17,500.0	90.12	0.18	7,582.8	10,151.8	-399.7	10,159.7	0.00	0.00	0.00	
17,600.0	90.12	0.18	7,582.6	10,251.8	-399.3	10,259.6	0.00	0.00	0.00	
17,700.0	90.12	0.18	7,582.4	10,351.8	-399.0	10,359.5	0.00	0.00	0.00	
17,800.0	90.12	0.18	7,582.2	10,451.8	-398.7	10,459.4	0.00	0.00	0.00	
17,900.0	90.12	0.18	7,582.0	10,551.8	-398.4	10,559.3	0.00	0.00	0.00	
17,908.7	90.12	0.18	7,582.0	10,560.5	-398.4	10,568.0	0.00	0.00	0.00	

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										
CC 541-2109H PBHL	0.00	0.00	7,582.0	10,560.5	-398.4	1,588,210.80	3,291,503.61	40° 56' 35.671 N	104° 26' 41.521 W	
- plan hits target center										
- Point										
CC 541-2109H LP	0.00	0.00	7,602.0	599.4	-429.2	1,578,250.05	3,291,591.45	40° 54' 57.251 N	104° 26' 41.921 W	
- plan hits target center										
- Point										