



Fifth Creek Energy

State Line

Critter Creek 21-4 Pad

Critter Creek 244-2128H

Wellbore #1

Plan: Design #1

Standard Planning Report

06 September, 2017

Database:	EDM	Local Co-ordinate Reference:	Well Critter Creek 244-2128H
Company:	Fifth Creek Energy	TVD Reference:	KB @ 5274.0usft (Original Well Elev)
Project:	State Line	MD Reference:	KB @ 5274.0usft (Original Well Elev)
Site:	Critter Creek 21-4 Pad	North Reference:	True
Well:	Critter Creek 244-2128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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											
Site Position:						Northing:			1,577,656.13 usft			Latitude:			40° 54' 51.329 N		
From:			Lat/Long			Easting:			3,292,052.40 usft			Longitude:			104° 26' 36.010 W		
Position Uncertainty:			0.0 usft			Slot Radius:			13-3/16 "			Grid Convergence:			0.68		

Well	Critter Creek 244-2128H					
Well Position	+N/-S	0.0 usft	Northing:	1,577,655.53 usft	Latitude:	40° 54' 51.329 N
	+E/-W	-50.0 usft	Easting:	3,292,002.37 usft	Longitude:	104° 26' 36.661 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	52,661.40143581

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	183.96

Plan Survey Tool Program	Date	9/6/2017		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,842.2	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	
2,129.4	12.59	307.24	2,124.4	41.7	-54.8	2.00	2.00	0.00	307.24	
5,859.4	12.59	307.24	5,764.7	533.6	-702.0	0.00	0.00	0.00	0.00	
6,488.8	0.00	179.63	6,389.0	575.2	-756.9	2.00	-2.00	0.00	180.00	
6,988.8	0.00	179.63	6,889.0	575.2	-756.9	0.00	0.00	0.00	0.00	
7,891.8	90.30	179.63	7,462.0	-0.7	-753.2	10.00	10.00	0.00	0.00	CC 244-2128H LP
17,842.2	90.30	179.63	7,410.0	-9,950.8	-689.6	0.00	0.00	0.00	0.00	CC 244-2128H PB

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Site:	Critter Creek 21-4 Pad	North Reference:	True
Well:	Critter Creek 244-2128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	307.24	1,600.0	1.1	-1.4	-1.0	2.00	2.00	0.00
1,700.0	4.00	307.24	1,699.8	4.2	-5.6	-3.8	2.00	2.00	0.00
1,800.0	6.00	307.24	1,799.5	9.5	-12.5	-8.6	2.00	2.00	0.00
1,900.0	8.00	307.24	1,898.7	16.9	-22.2	-15.3	2.00	2.00	0.00
2,000.0	10.00	307.24	1,997.5	26.3	-34.7	-23.9	2.00	2.00	0.00
2,100.0	12.00	307.24	2,095.6	37.9	-49.8	-34.3	2.00	2.00	0.00
2,129.4	12.59	307.24	2,124.4	41.7	-54.8	-37.8	2.00	2.00	0.00
2,200.0	12.59	307.24	2,193.3	51.0	-67.1	-46.2	0.00	0.00	0.00
2,300.0	12.59	307.24	2,290.8	64.2	-84.4	-58.2	0.00	0.00	0.00
2,400.0	12.59	307.24	2,388.4	77.4	-101.8	-70.1	0.00	0.00	0.00
2,500.0	12.59	307.24	2,486.0	90.5	-119.1	-82.1	0.00	0.00	0.00
2,600.0	12.59	307.24	2,583.6	103.7	-136.5	-94.0	0.00	0.00	0.00
2,700.0	12.59	307.24	2,681.2	116.9	-153.8	-106.0	0.00	0.00	0.00
2,800.0	12.59	307.24	2,778.8	130.1	-171.2	-118.0	0.00	0.00	0.00
2,900.0	12.59	307.24	2,876.4	143.3	-188.5	-129.9	0.00	0.00	0.00
3,000.0	12.59	307.24	2,974.0	156.5	-205.9	-141.9	0.00	0.00	0.00
3,100.0	12.59	307.24	3,071.6	169.7	-223.2	-153.8	0.00	0.00	0.00
3,200.0	12.59	307.24	3,169.2	182.9	-240.6	-165.8	0.00	0.00	0.00
3,300.0	12.59	307.24	3,266.8	196.0	-257.9	-177.7	0.00	0.00	0.00
3,400.0	12.59	307.24	3,364.4	209.2	-275.3	-189.7	0.00	0.00	0.00
3,500.0	12.59	307.24	3,462.0	222.4	-292.6	-201.7	0.00	0.00	0.00
3,600.0	12.59	307.24	3,559.6	235.6	-310.0	-213.6	0.00	0.00	0.00
3,700.0	12.59	307.24	3,657.2	248.8	-327.3	-225.6	0.00	0.00	0.00
3,800.0	12.59	307.24	3,754.8	262.0	-344.7	-237.5	0.00	0.00	0.00
3,900.0	12.59	307.24	3,852.4	275.2	-362.1	-249.5	0.00	0.00	0.00
4,000.0	12.59	307.24	3,950.0	288.4	-379.4	-261.4	0.00	0.00	0.00
4,100.0	12.59	307.24	4,047.6	301.5	-396.8	-273.4	0.00	0.00	0.00
4,200.0	12.59	307.24	4,145.2	314.7	-414.1	-285.3	0.00	0.00	0.00
4,300.0	12.59	307.24	4,242.8	327.9	-431.5	-297.3	0.00	0.00	0.00
4,400.0	12.59	307.24	4,340.4	341.1	-448.8	-309.3	0.00	0.00	0.00
4,500.0	12.59	307.24	4,438.0	354.3	-466.2	-321.2	0.00	0.00	0.00
4,600.0	12.59	307.24	4,535.6	367.5	-483.5	-333.2	0.00	0.00	0.00
4,700.0	12.59	307.24	4,633.2	380.7	-500.9	-345.1	0.00	0.00	0.00
4,800.0	12.59	307.24	4,730.8	393.9	-518.2	-357.1	0.00	0.00	0.00
4,900.0	12.59	307.24	4,828.3	407.0	-535.6	-369.0	0.00	0.00	0.00
5,000.0	12.59	307.24	4,925.9	420.2	-552.9	-381.0	0.00	0.00	0.00
5,100.0	12.59	307.24	5,023.5	433.4	-570.3	-393.0	0.00	0.00	0.00
5,200.0	12.59	307.24	5,121.1	446.6	-587.6	-404.9	0.00	0.00	0.00

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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	12.59	307.24	5,218.7	459.8	-605.0	-416.9	0.00	0.00	0.00
5,400.0	12.59	307.24	5,316.3	473.0	-622.3	-428.8	0.00	0.00	0.00
5,500.0	12.59	307.24	5,413.9	486.2	-639.7	-440.8	0.00	0.00	0.00
5,600.0	12.59	307.24	5,511.5	499.4	-657.0	-452.7	0.00	0.00	0.00
5,700.0	12.59	307.24	5,609.1	512.5	-674.4	-464.7	0.00	0.00	0.00
5,800.0	12.59	307.24	5,706.7	525.7	-691.7	-476.6	0.00	0.00	0.00
5,859.4	12.59	307.24	5,764.7	533.6	-702.0	-483.7	0.00	0.00	0.00
5,900.0	11.78	307.24	5,804.4	538.7	-708.9	-488.4	2.00	-2.00	0.00
6,000.0	9.78	307.24	5,902.6	550.1	-723.7	-498.7	2.00	-2.00	0.00
6,100.0	7.78	307.24	6,001.4	559.3	-735.9	-507.1	2.00	-2.00	0.00
6,200.0	5.78	307.24	6,100.7	566.4	-745.3	-513.5	2.00	-2.00	0.00
6,300.0	3.78	307.24	6,200.4	571.5	-751.9	-518.1	2.00	-2.00	0.00
6,400.0	1.78	307.24	6,300.2	574.4	-755.8	-520.8	2.00	-2.00	0.00
6,488.8	0.00	179.63	6,389.0	575.2	-756.9	-521.5	2.00	-2.00	0.00
6,500.0	0.00	0.00	6,400.2	575.2	-756.9	-521.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,500.2	575.2	-756.9	-521.5	0.00	0.00	0.00
6,700.0	0.00	0.00	6,600.2	575.2	-756.9	-521.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,700.2	575.2	-756.9	-521.5	0.00	0.00	0.00
6,900.0	0.00	0.00	6,800.2	575.2	-756.9	-521.5	0.00	0.00	0.00
6,988.8	0.00	179.63	6,889.0	575.2	-756.9	-521.5	0.00	0.00	0.00
7,000.0	1.12	179.63	6,900.2	575.1	-756.9	-521.4	10.00	10.00	0.00
7,100.0	11.12	179.63	6,999.5	564.5	-756.8	-510.8	10.00	10.00	0.00
7,200.0	21.12	179.63	7,095.5	536.8	-756.6	-483.2	10.00	10.00	0.00
7,300.0	31.12	179.63	7,185.2	492.8	-756.3	-439.3	10.00	10.00	0.00
7,400.0	41.12	179.63	7,265.8	433.9	-756.0	-380.6	10.00	10.00	0.00
7,500.0	51.12	179.63	7,335.1	361.9	-755.5	-308.8	10.00	10.00	0.00
7,600.0	61.12	179.63	7,390.7	279.0	-755.0	-226.2	10.00	10.00	0.00
7,700.0	71.12	179.63	7,431.2	187.7	-754.4	-135.1	10.00	10.00	0.00
7,800.0	81.12	179.63	7,455.1	90.7	-753.8	-38.4	10.00	10.00	0.00
7,891.8	90.30	179.63	7,462.0	-0.7	-753.2	52.8	10.00	10.00	0.00
7,900.0	90.30	179.63	7,462.0	-8.9	-753.1	60.9	0.00	0.00	0.00
8,000.0	90.30	179.63	7,461.4	-108.9	-752.5	160.7	0.00	0.00	0.00
8,100.0	90.30	179.63	7,460.9	-208.9	-751.9	260.4	0.00	0.00	0.00
8,200.0	90.30	179.63	7,460.4	-308.9	-751.2	360.1	0.00	0.00	0.00
8,300.0	90.30	179.63	7,459.9	-408.9	-750.6	459.8	0.00	0.00	0.00
8,400.0	90.30	179.63	7,459.3	-508.9	-749.9	559.5	0.00	0.00	0.00
8,500.0	90.30	179.63	7,458.8	-608.9	-749.3	659.2	0.00	0.00	0.00
8,600.0	90.30	179.63	7,458.3	-708.9	-748.7	758.9	0.00	0.00	0.00
8,700.0	90.30	179.63	7,457.8	-808.9	-748.0	858.7	0.00	0.00	0.00
8,800.0	90.30	179.63	7,457.3	-908.9	-747.4	958.4	0.00	0.00	0.00
8,900.0	90.30	179.63	7,456.7	-1,008.9	-746.7	1,058.1	0.00	0.00	0.00
9,000.0	90.30	179.63	7,456.2	-1,108.9	-746.1	1,157.8	0.00	0.00	0.00
9,100.0	90.30	179.63	7,455.7	-1,208.9	-745.5	1,257.5	0.00	0.00	0.00
9,200.0	90.30	179.63	7,455.2	-1,308.9	-744.8	1,357.2	0.00	0.00	0.00
9,300.0	90.30	179.63	7,454.6	-1,408.9	-744.2	1,456.9	0.00	0.00	0.00
9,400.0	90.30	179.63	7,454.1	-1,508.8	-743.5	1,556.6	0.00	0.00	0.00
9,500.0	90.30	179.63	7,453.6	-1,608.8	-742.9	1,656.4	0.00	0.00	0.00
9,600.0	90.30	179.63	7,453.1	-1,708.8	-742.3	1,756.1	0.00	0.00	0.00
9,700.0	90.30	179.63	7,452.6	-1,808.8	-741.6	1,855.8	0.00	0.00	0.00
9,800.0	90.30	179.63	7,452.0	-1,908.8	-741.0	1,955.5	0.00	0.00	0.00
9,900.0	90.30	179.63	7,451.5	-2,008.8	-740.4	2,055.2	0.00	0.00	0.00
10,000.0	90.30	179.63	7,451.0	-2,108.8	-739.7	2,154.9	0.00	0.00	0.00
10,100.0	90.30	179.63	7,450.5	-2,208.8	-739.1	2,254.6	0.00	0.00	0.00
10,200.0	90.30	179.63	7,449.9	-2,308.8	-738.4	2,354.4	0.00	0.00	0.00

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Site:	Critter Creek 21-4 Pad	North Reference:	True
Well:	Critter Creek 244-2128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
10,300.0	90.30	179.63	7,449.4	-2,408.8	-737.8	2,454.1	0.00	0.00	0.00
10,400.0	90.30	179.63	7,448.9	-2,508.8	-737.2	2,553.8	0.00	0.00	0.00
10,500.0	90.30	179.63	7,448.4	-2,608.8	-736.5	2,653.5	0.00	0.00	0.00
10,600.0	90.30	179.63	7,447.8	-2,708.8	-735.9	2,753.2	0.00	0.00	0.00
10,700.0	90.30	179.63	7,447.3	-2,808.8	-735.2	2,852.9	0.00	0.00	0.00
10,800.0	90.30	179.63	7,446.8	-2,908.8	-734.6	2,952.6	0.00	0.00	0.00
10,900.0	90.30	179.63	7,446.3	-3,008.8	-734.0	3,052.3	0.00	0.00	0.00
11,000.0	90.30	179.63	7,445.8	-3,108.8	-733.3	3,152.1	0.00	0.00	0.00
11,100.0	90.30	179.63	7,445.2	-3,208.8	-732.7	3,251.8	0.00	0.00	0.00
11,200.0	90.30	179.63	7,444.7	-3,308.8	-732.0	3,351.5	0.00	0.00	0.00
11,300.0	90.30	179.63	7,444.2	-3,408.8	-731.4	3,451.2	0.00	0.00	0.00
11,400.0	90.30	179.63	7,443.7	-3,508.8	-730.8	3,550.9	0.00	0.00	0.00
11,500.0	90.30	179.63	7,443.1	-3,608.8	-730.1	3,650.6	0.00	0.00	0.00
11,600.0	90.30	179.63	7,442.6	-3,708.8	-729.5	3,750.3	0.00	0.00	0.00
11,700.0	90.30	179.63	7,442.1	-3,808.8	-728.9	3,850.0	0.00	0.00	0.00
11,800.0	90.30	179.63	7,441.6	-3,908.8	-728.2	3,949.8	0.00	0.00	0.00
11,900.0	90.30	179.63	7,441.1	-4,008.8	-727.6	4,049.5	0.00	0.00	0.00
12,000.0	90.30	179.63	7,440.5	-4,108.8	-726.9	4,149.2	0.00	0.00	0.00
12,100.0	90.30	179.63	7,440.0	-4,208.8	-726.3	4,248.9	0.00	0.00	0.00
12,200.0	90.30	179.63	7,439.5	-4,308.8	-725.7	4,348.6	0.00	0.00	0.00
12,300.0	90.30	179.63	7,439.0	-4,408.8	-725.0	4,448.3	0.00	0.00	0.00
12,400.0	90.30	179.63	7,438.4	-4,508.7	-724.4	4,548.0	0.00	0.00	0.00
12,500.0	90.30	179.63	7,437.9	-4,608.7	-723.7	4,647.8	0.00	0.00	0.00
12,600.0	90.30	179.63	7,437.4	-4,708.7	-723.1	4,747.5	0.00	0.00	0.00
12,700.0	90.30	179.63	7,436.9	-4,808.7	-722.5	4,847.2	0.00	0.00	0.00
12,800.0	90.30	179.63	7,436.4	-4,908.7	-721.8	4,946.9	0.00	0.00	0.00
12,900.0	90.30	179.63	7,435.8	-5,008.7	-721.2	5,046.6	0.00	0.00	0.00
13,000.0	90.30	179.63	7,435.3	-5,108.7	-720.5	5,146.3	0.00	0.00	0.00
13,100.0	90.30	179.63	7,434.8	-5,208.7	-719.9	5,246.0	0.00	0.00	0.00
13,200.0	90.30	179.63	7,434.3	-5,308.7	-719.3	5,345.7	0.00	0.00	0.00
13,300.0	90.30	179.63	7,433.7	-5,408.7	-718.6	5,445.5	0.00	0.00	0.00
13,400.0	90.30	179.63	7,433.2	-5,508.7	-718.0	5,545.2	0.00	0.00	0.00
13,500.0	90.30	179.63	7,432.7	-5,608.7	-717.4	5,644.9	0.00	0.00	0.00
13,600.0	90.30	179.63	7,432.2	-5,708.7	-716.7	5,744.6	0.00	0.00	0.00
13,700.0	90.30	179.63	7,431.6	-5,808.7	-716.1	5,844.3	0.00	0.00	0.00
13,800.0	90.30	179.63	7,431.1	-5,908.7	-715.4	5,944.0	0.00	0.00	0.00
13,900.0	90.30	179.63	7,430.6	-6,008.7	-714.8	6,043.7	0.00	0.00	0.00
14,000.0	90.30	179.63	7,430.1	-6,108.7	-714.2	6,143.5	0.00	0.00	0.00
14,100.0	90.30	179.63	7,429.6	-6,208.7	-713.5	6,243.2	0.00	0.00	0.00
14,200.0	90.30	179.63	7,429.0	-6,308.7	-712.9	6,342.9	0.00	0.00	0.00
14,300.0	90.30	179.63	7,428.5	-6,408.7	-712.2	6,442.6	0.00	0.00	0.00
14,400.0	90.30	179.63	7,428.0	-6,508.7	-711.6	6,542.3	0.00	0.00	0.00
14,500.0	90.30	179.63	7,427.5	-6,608.7	-711.0	6,642.0	0.00	0.00	0.00
14,600.0	90.30	179.63	7,426.9	-6,708.7	-710.3	6,741.7	0.00	0.00	0.00
14,700.0	90.30	179.63	7,426.4	-6,808.7	-709.7	6,841.4	0.00	0.00	0.00
14,800.0	90.30	179.63	7,425.9	-6,908.7	-709.1	6,941.2	0.00	0.00	0.00
14,900.0	90.30	179.63	7,425.4	-7,008.7	-708.4	7,040.9	0.00	0.00	0.00
15,000.0	90.30	179.63	7,424.9	-7,108.7	-707.8	7,140.6	0.00	0.00	0.00
15,100.0	90.30	179.63	7,424.3	-7,208.7	-707.1	7,240.3	0.00	0.00	0.00
15,200.0	90.30	179.63	7,423.8	-7,308.7	-706.5	7,340.0	0.00	0.00	0.00
15,300.0	90.30	179.63	7,423.3	-7,408.6	-705.9	7,439.7	0.00	0.00	0.00
15,400.0	90.30	179.63	7,422.8	-7,508.6	-705.2	7,539.4	0.00	0.00	0.00
15,500.0	90.30	179.63	7,422.2	-7,608.6	-704.6	7,639.1	0.00	0.00	0.00
15,600.0	90.30	179.63	7,421.7	-7,708.6	-703.9	7,738.9	0.00	0.00	0.00

Database:	EDM	Local Co-ordinate Reference:	Well Critter Creek 244-2128H
Company:	Fifth Creek Energy	TVD Reference:	KB @ 5274.0usft (Original Well Elev)
Project:	State Line	MD Reference:	KB @ 5274.0usft (Original Well Elev)
Site:	Critter Creek 21-4 Pad	North Reference:	True
Well:	Critter Creek 244-2128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)	
15,700.0	90.30	179.63	7,421.2	-7,808.6	-703.3	7,838.6	0.00	0.00	0.00	
15,800.0	90.30	179.63	7,420.7	-7,908.6	-702.7	7,938.3	0.00	0.00	0.00	
15,900.0	90.30	179.63	7,420.1	-8,008.6	-702.0	8,038.0	0.00	0.00	0.00	
16,000.0	90.30	179.63	7,419.6	-8,108.6	-701.4	8,137.7	0.00	0.00	0.00	
16,100.0	90.30	179.63	7,419.1	-8,208.6	-700.7	8,237.4	0.00	0.00	0.00	
16,200.0	90.30	179.63	7,418.6	-8,308.6	-700.1	8,337.1	0.00	0.00	0.00	
16,300.0	90.30	179.63	7,418.1	-8,408.6	-699.5	8,436.9	0.00	0.00	0.00	
16,400.0	90.30	179.63	7,417.5	-8,508.6	-698.8	8,536.6	0.00	0.00	0.00	
16,500.0	90.30	179.63	7,417.0	-8,608.6	-698.2	8,636.3	0.00	0.00	0.00	
16,600.0	90.30	179.63	7,416.5	-8,708.6	-697.6	8,736.0	0.00	0.00	0.00	
16,700.0	90.30	179.63	7,416.0	-8,808.6	-696.9	8,835.7	0.00	0.00	0.00	
16,800.0	90.30	179.63	7,415.4	-8,908.6	-696.3	8,935.4	0.00	0.00	0.00	
16,900.0	90.30	179.63	7,414.9	-9,008.6	-695.6	9,035.1	0.00	0.00	0.00	
17,000.0	90.30	179.63	7,414.4	-9,108.6	-695.0	9,134.8	0.00	0.00	0.00	
17,100.0	90.30	179.63	7,413.9	-9,208.6	-694.4	9,234.6	0.00	0.00	0.00	
17,200.0	90.30	179.63	7,413.4	-9,308.6	-693.7	9,334.3	0.00	0.00	0.00	
17,300.0	90.30	179.63	7,412.8	-9,408.6	-693.1	9,434.0	0.00	0.00	0.00	
17,400.0	90.30	179.63	7,412.3	-9,508.6	-692.4	9,533.7	0.00	0.00	0.00	
17,500.0	90.30	179.63	7,411.8	-9,608.6	-691.8	9,633.4	0.00	0.00	0.00	
17,600.0	90.30	179.63	7,411.3	-9,708.6	-691.2	9,733.1	0.00	0.00	0.00	
17,700.0	90.30	179.63	7,410.7	-9,808.6	-690.5	9,832.8	0.00	0.00	0.00	
17,800.0	90.30	179.63	7,410.2	-9,908.6	-689.9	9,932.5	0.00	0.00	0.00	
17,842.2	90.30	179.63	7,410.0	-9,950.8	-689.6	9,974.6	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 244-2128H PBHL	0.00	0.00	7,410.0	-9,950.8	-689.6	1,567,697.25	3,291,431.36	40° 53' 13.009 N	104° 26' 45.640 W	
- plan hits target center										
- Point										
CC 244-2128H LP	0.00	0.00	7,462.0	-0.7	-753.2	1,577,645.85	3,291,249.25	40° 54' 51.322 N	104° 26' 46.471 W	
- plan hits target center										
- Point										