



Fifth Creek Energy

State Line

Critter Creek 21-4 Pad

Critter Creek 542-2128H

Wellbore #1

Plan: Design #1

Standard Planning Report

06 September, 2017

Database:	EDM	Local Co-ordinate Reference:	Well Critter Creek 542-2128H
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 542-2128H	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 542-2128H					
Well Position	+N/-S	0.0 usft	Northing:	1,577,656.13 usft	Latitude:	40° 54' 51.329 N
	+E/-W	0.0 usft	Easting:	3,292,052.40 usft	Longitude:	104° 26' 36.010 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	52,661.41981495

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	182.25

Plan Survey Tool Program	Date	9/6/2017		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,936.6	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	
1,955.7	9.11	321.50	1,953.8	28.3	-22.5	2.00	2.00	0.00	321.50	
6,129.9	9.11	321.50	6,075.2	545.8	-434.1	0.00	0.00	0.00	0.00	
6,585.6	0.00	179.64	6,529.0	574.1	-456.6	2.00	-2.00	0.00	180.00	
7,085.6	0.00	179.64	7,029.0	574.1	-456.6	0.00	0.00	0.00	0.00	
7,986.7	90.12	179.64	7,602.0	0.0	-453.0	10.00	10.00	0.00	0.00	CC 542-2128H LP
17,936.6	90.12	179.64	7,582.0	-9,949.7	-390.2	0.00	0.00	0.00	0.00	CC 542-2128H PBH

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Project:	State Line	MD Reference:	KB @ 5274.0usft (Original Well Elev)
Site:	Critter Creek 21-4 Pad	North Reference:	True
Well:	Critter Creek 542-2128H	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	321.50	1,600.0	1.4	-1.1	-1.3	2.00	2.00	0.00
1,700.0	4.00	321.50	1,699.8	5.5	-4.3	-5.3	2.00	2.00	0.00
1,800.0	6.00	321.50	1,799.5	12.3	-9.8	-11.9	2.00	2.00	0.00
1,900.0	8.00	321.50	1,898.7	21.8	-17.4	-21.1	2.00	2.00	0.00
1,955.7	9.11	321.50	1,953.8	28.3	-22.5	-27.4	2.00	2.00	0.00
2,000.0	9.11	321.50	1,997.5	33.8	-26.9	-32.7	0.00	0.00	0.00
2,100.0	9.11	321.50	2,096.3	46.2	-36.7	-44.7	0.00	0.00	0.00
2,200.0	9.11	321.50	2,195.0	58.6	-46.6	-56.7	0.00	0.00	0.00
2,300.0	9.11	321.50	2,293.7	71.0	-56.5	-68.7	0.00	0.00	0.00
2,400.0	9.11	321.50	2,392.5	83.4	-66.3	-80.7	0.00	0.00	0.00
2,500.0	9.11	321.50	2,491.2	95.8	-76.2	-92.7	0.00	0.00	0.00
2,600.0	9.11	321.50	2,589.9	108.2	-86.0	-104.7	0.00	0.00	0.00
2,700.0	9.11	321.50	2,688.7	120.6	-95.9	-116.7	0.00	0.00	0.00
2,800.0	9.11	321.50	2,787.4	133.0	-105.8	-128.7	0.00	0.00	0.00
2,900.0	9.11	321.50	2,886.2	145.4	-115.6	-140.7	0.00	0.00	0.00
3,000.0	9.11	321.50	2,984.9	157.8	-125.5	-152.7	0.00	0.00	0.00
3,100.0	9.11	321.50	3,083.6	170.2	-135.4	-164.7	0.00	0.00	0.00
3,200.0	9.11	321.50	3,182.4	182.6	-145.2	-176.7	0.00	0.00	0.00
3,300.0	9.11	321.50	3,281.1	195.0	-155.1	-188.7	0.00	0.00	0.00
3,400.0	9.11	321.50	3,379.8	207.4	-164.9	-200.7	0.00	0.00	0.00
3,500.0	9.11	321.50	3,478.6	219.8	-174.8	-212.7	0.00	0.00	0.00
3,600.0	9.11	321.50	3,577.3	232.2	-184.7	-224.7	0.00	0.00	0.00
3,700.0	9.11	321.50	3,676.1	244.6	-194.5	-236.7	0.00	0.00	0.00
3,800.0	9.11	321.50	3,774.8	257.0	-204.4	-248.7	0.00	0.00	0.00
3,900.0	9.11	321.50	3,873.5	269.4	-214.2	-260.7	0.00	0.00	0.00
4,000.0	9.11	321.50	3,972.3	281.7	-224.1	-272.8	0.00	0.00	0.00
4,100.0	9.11	321.50	4,071.0	294.1	-234.0	-284.8	0.00	0.00	0.00
4,200.0	9.11	321.50	4,169.7	306.5	-243.8	-296.8	0.00	0.00	0.00
4,300.0	9.11	321.50	4,268.5	318.9	-253.7	-308.8	0.00	0.00	0.00
4,400.0	9.11	321.50	4,367.2	331.3	-263.5	-320.8	0.00	0.00	0.00
4,500.0	9.11	321.50	4,466.0	343.7	-273.4	-332.8	0.00	0.00	0.00
4,600.0	9.11	321.50	4,564.7	356.1	-283.3	-344.8	0.00	0.00	0.00
4,700.0	9.11	321.50	4,663.4	368.5	-293.1	-356.8	0.00	0.00	0.00
4,800.0	9.11	321.50	4,762.2	380.9	-303.0	-368.8	0.00	0.00	0.00
4,900.0	9.11	321.50	4,860.9	393.3	-312.8	-380.8	0.00	0.00	0.00
5,000.0	9.11	321.50	4,959.6	405.7	-322.7	-392.8	0.00	0.00	0.00
5,100.0	9.11	321.50	5,058.4	418.1	-332.6	-404.8	0.00	0.00	0.00
5,200.0	9.11	321.50	5,157.1	430.5	-342.4	-416.8	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	9.11	321.50	5,255.9	442.9	-352.3	-428.8	0.00	0.00	0.00
5,400.0	9.11	321.50	5,354.6	455.3	-362.2	-440.8	0.00	0.00	0.00
5,500.0	9.11	321.50	5,453.3	467.7	-372.0	-452.8	0.00	0.00	0.00
5,600.0	9.11	321.50	5,552.1	480.1	-381.9	-464.8	0.00	0.00	0.00
5,700.0	9.11	321.50	5,650.8	492.5	-391.7	-476.8	0.00	0.00	0.00
5,800.0	9.11	321.50	5,749.5	504.9	-401.6	-488.8	0.00	0.00	0.00
5,900.0	9.11	321.50	5,848.3	517.3	-411.5	-500.8	0.00	0.00	0.00
6,000.0	9.11	321.50	5,947.0	529.7	-421.3	-512.8	0.00	0.00	0.00
6,100.0	9.11	321.50	6,045.8	542.1	-431.2	-524.8	0.00	0.00	0.00
6,129.9	9.11	321.50	6,075.2	545.8	-434.1	-528.4	0.00	0.00	0.00
6,200.0	7.71	321.50	6,144.6	553.8	-440.5	-536.1	2.00	-2.00	0.00
6,300.0	5.71	321.50	6,243.9	563.0	-447.8	-545.0	2.00	-2.00	0.00
6,400.0	3.71	321.50	6,343.6	569.4	-452.9	-551.2	2.00	-2.00	0.00
6,500.0	1.71	321.50	6,443.5	573.1	-455.8	-554.8	2.00	-2.00	0.00
6,585.6	0.00	179.64	6,529.0	574.1	-456.6	-555.8	2.00	-2.00	0.00
6,600.0	0.00	0.00	6,543.5	574.1	-456.6	-555.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,643.5	574.1	-456.6	-555.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,743.5	574.1	-456.6	-555.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,843.5	574.1	-456.6	-555.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,943.5	574.1	-456.6	-555.8	0.00	0.00	0.00
7,085.6	0.00	179.64	7,029.0	574.1	-456.6	-555.8	0.00	0.00	0.00
7,100.0	1.44	179.64	7,043.5	573.9	-456.6	-555.6	10.00	10.00	0.00
7,200.0	11.44	179.64	7,142.7	562.7	-456.6	-544.4	10.00	10.00	0.00
7,300.0	21.44	179.64	7,238.5	534.5	-456.4	-516.2	10.00	10.00	0.00
7,400.0	31.44	179.64	7,327.9	490.0	-456.1	-471.7	10.00	10.00	0.00
7,500.0	41.44	179.64	7,408.3	430.7	-455.7	-412.5	10.00	10.00	0.00
7,600.0	51.44	179.64	7,477.1	358.3	-455.3	-340.2	10.00	10.00	0.00
7,700.0	61.44	179.64	7,532.3	275.1	-454.8	-257.0	10.00	10.00	0.00
7,800.0	71.44	179.64	7,572.2	183.5	-454.2	-165.6	10.00	10.00	0.00
7,900.0	81.44	179.64	7,595.6	86.4	-453.6	-68.6	10.00	10.00	0.00
7,986.7	90.12	179.64	7,602.0	0.0	-453.0	17.7	10.00	10.00	0.00
8,000.0	90.12	179.64	7,602.0	-13.3	-452.9	31.0	0.00	0.00	0.00
8,100.0	90.12	179.64	7,601.8	-113.3	-452.3	130.9	0.00	0.00	0.00
8,200.0	90.12	179.64	7,601.6	-213.2	-451.7	230.8	0.00	0.00	0.00
8,300.0	90.12	179.64	7,601.4	-313.2	-451.0	330.7	0.00	0.00	0.00
8,400.0	90.12	179.64	7,601.2	-413.2	-450.4	430.6	0.00	0.00	0.00
8,500.0	90.12	179.64	7,601.0	-513.2	-449.8	530.5	0.00	0.00	0.00
8,600.0	90.12	179.64	7,600.8	-613.2	-449.1	630.4	0.00	0.00	0.00
8,700.0	90.12	179.64	7,600.6	-713.2	-448.5	730.3	0.00	0.00	0.00
8,800.0	90.12	179.64	7,600.4	-813.2	-447.9	830.2	0.00	0.00	0.00
8,900.0	90.12	179.64	7,600.2	-913.2	-447.2	930.1	0.00	0.00	0.00
9,000.0	90.12	179.64	7,600.0	-1,013.2	-446.6	1,030.0	0.00	0.00	0.00
9,100.0	90.12	179.64	7,599.8	-1,113.2	-446.0	1,129.8	0.00	0.00	0.00
9,200.0	90.12	179.64	7,599.6	-1,213.2	-445.4	1,229.7	0.00	0.00	0.00
9,300.0	90.12	179.64	7,599.4	-1,313.2	-444.7	1,329.6	0.00	0.00	0.00
9,400.0	90.12	179.64	7,599.2	-1,413.2	-444.1	1,429.5	0.00	0.00	0.00
9,500.0	90.12	179.64	7,599.0	-1,513.2	-443.5	1,529.4	0.00	0.00	0.00
9,600.0	90.12	179.64	7,598.8	-1,613.2	-442.8	1,629.3	0.00	0.00	0.00
9,700.0	90.12	179.64	7,598.6	-1,713.2	-442.2	1,729.2	0.00	0.00	0.00
9,800.0	90.12	179.64	7,598.4	-1,813.2	-441.6	1,829.1	0.00	0.00	0.00
9,900.0	90.12	179.64	7,598.2	-1,913.2	-440.9	1,929.0	0.00	0.00	0.00
10,000.0	90.12	179.64	7,598.0	-2,013.2	-440.3	2,028.9	0.00	0.00	0.00
10,100.0	90.12	179.64	7,597.8	-2,113.2	-439.7	2,128.8	0.00	0.00	0.00
10,200.0	90.12	179.64	7,597.6	-2,213.2	-439.0	2,228.7	0.00	0.00	0.00

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Wellbore:	Wellbore #1		
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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)	
10,300.0	90.12	179.64	7,597.4	-2,313.2	-438.4	2,328.6	0.00	0.00	0.00	
10,400.0	90.12	179.64	7,597.1	-2,413.2	-437.8	2,428.5	0.00	0.00	0.00	
10,500.0	90.12	179.64	7,596.9	-2,513.2	-437.1	2,528.4	0.00	0.00	0.00	
10,600.0	90.12	179.64	7,596.7	-2,613.2	-436.5	2,628.3	0.00	0.00	0.00	
10,700.0	90.12	179.64	7,596.5	-2,713.2	-435.9	2,728.2	0.00	0.00	0.00	
10,800.0	90.12	179.64	7,596.3	-2,813.2	-435.2	2,828.1	0.00	0.00	0.00	
10,900.0	90.12	179.64	7,596.1	-2,913.2	-434.6	2,928.0	0.00	0.00	0.00	
11,000.0	90.12	179.64	7,595.9	-3,013.2	-434.0	3,027.9	0.00	0.00	0.00	
11,100.0	90.12	179.64	7,595.7	-3,113.2	-433.3	3,127.8	0.00	0.00	0.00	
11,200.0	90.12	179.64	7,595.5	-3,213.2	-432.7	3,227.7	0.00	0.00	0.00	
11,300.0	90.12	179.64	7,595.3	-3,313.2	-432.1	3,327.6	0.00	0.00	0.00	
11,400.0	90.12	179.64	7,595.1	-3,413.2	-431.5	3,427.5	0.00	0.00	0.00	
11,500.0	90.12	179.64	7,594.9	-3,513.2	-430.8	3,527.4	0.00	0.00	0.00	
11,600.0	90.12	179.64	7,594.7	-3,613.2	-430.2	3,627.3	0.00	0.00	0.00	
11,700.0	90.12	179.64	7,594.5	-3,713.2	-429.6	3,727.2	0.00	0.00	0.00	
11,800.0	90.12	179.64	7,594.3	-3,813.2	-428.9	3,827.0	0.00	0.00	0.00	
11,900.0	90.12	179.64	7,594.1	-3,913.2	-428.3	3,926.9	0.00	0.00	0.00	
12,000.0	90.12	179.64	7,593.9	-4,013.2	-427.7	4,026.8	0.00	0.00	0.00	
12,100.0	90.12	179.64	7,593.7	-4,113.2	-427.0	4,126.7	0.00	0.00	0.00	
12,200.0	90.12	179.64	7,593.5	-4,213.2	-426.4	4,226.6	0.00	0.00	0.00	
12,300.0	90.12	179.64	7,593.3	-4,313.2	-425.8	4,326.5	0.00	0.00	0.00	
12,400.0	90.12	179.64	7,593.1	-4,413.2	-425.1	4,426.4	0.00	0.00	0.00	
12,500.0	90.12	179.64	7,592.9	-4,513.2	-424.5	4,526.3	0.00	0.00	0.00	
12,600.0	90.12	179.64	7,592.7	-4,613.2	-423.9	4,626.2	0.00	0.00	0.00	
12,700.0	90.12	179.64	7,592.5	-4,713.1	-423.2	4,726.1	0.00	0.00	0.00	
12,800.0	90.12	179.64	7,592.3	-4,813.1	-422.6	4,826.0	0.00	0.00	0.00	
12,900.0	90.12	179.64	7,592.1	-4,913.1	-422.0	4,925.9	0.00	0.00	0.00	
13,000.0	90.12	179.64	7,591.9	-5,013.1	-421.3	5,025.8	0.00	0.00	0.00	
13,100.0	90.12	179.64	7,591.7	-5,113.1	-420.7	5,125.7	0.00	0.00	0.00	
13,200.0	90.12	179.64	7,591.5	-5,213.1	-420.1	5,225.6	0.00	0.00	0.00	
13,300.0	90.12	179.64	7,591.3	-5,313.1	-419.4	5,325.5	0.00	0.00	0.00	
13,400.0	90.12	179.64	7,591.1	-5,413.1	-418.8	5,425.4	0.00	0.00	0.00	
13,500.0	90.12	179.64	7,590.9	-5,513.1	-418.2	5,525.3	0.00	0.00	0.00	
13,600.0	90.12	179.64	7,590.7	-5,613.1	-417.6	5,625.2	0.00	0.00	0.00	
13,700.0	90.12	179.64	7,590.5	-5,713.1	-416.9	5,725.1	0.00	0.00	0.00	
13,800.0	90.12	179.64	7,590.3	-5,813.1	-416.3	5,825.0	0.00	0.00	0.00	
13,900.0	90.12	179.64	7,590.1	-5,913.1	-415.7	5,924.9	0.00	0.00	0.00	
14,000.0	90.12	179.64	7,589.9	-6,013.1	-415.0	6,024.8	0.00	0.00	0.00	
14,100.0	90.12	179.64	7,589.7	-6,113.1	-414.4	6,124.7	0.00	0.00	0.00	
14,200.0	90.12	179.64	7,589.5	-6,213.1	-413.8	6,224.6	0.00	0.00	0.00	
14,300.0	90.12	179.64	7,589.3	-6,313.1	-413.1	6,324.5	0.00	0.00	0.00	
14,400.0	90.12	179.64	7,589.1	-6,413.1	-412.5	6,424.3	0.00	0.00	0.00	
14,500.0	90.12	179.64	7,588.9	-6,513.1	-411.9	6,524.2	0.00	0.00	0.00	
14,600.0	90.12	179.64	7,588.7	-6,613.1	-411.2	6,624.1	0.00	0.00	0.00	
14,700.0	90.12	179.64	7,588.5	-6,713.1	-410.6	6,724.0	0.00	0.00	0.00	
14,800.0	90.12	179.64	7,588.3	-6,813.1	-410.0	6,823.9	0.00	0.00	0.00	
14,900.0	90.12	179.64	7,588.1	-6,913.1	-409.3	6,923.8	0.00	0.00	0.00	
15,000.0	90.12	179.64	7,587.9	-7,013.1	-408.7	7,023.7	0.00	0.00	0.00	
15,100.0	90.12	179.64	7,587.7	-7,113.1	-408.1	7,123.6	0.00	0.00	0.00	
15,200.0	90.12	179.64	7,587.5	-7,213.1	-407.4	7,223.5	0.00	0.00	0.00	
15,300.0	90.12	179.64	7,587.3	-7,313.1	-406.8	7,323.4	0.00	0.00	0.00	
15,400.0	90.12	179.64	7,587.1	-7,413.1	-406.2	7,423.3	0.00	0.00	0.00	
15,500.0	90.12	179.64	7,586.9	-7,513.1	-405.5	7,523.2	0.00	0.00	0.00	
15,600.0	90.12	179.64	7,586.7	-7,613.1	-404.9	7,623.1	0.00	0.00	0.00	

Database:	EDM	Local Co-ordinate Reference:	Well Critter Creek 542-2128H
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 542-2128H	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	90.12	179.64	7,586.5	-7,713.1	-404.3	7,723.0	0.00	0.00	0.00	
15,800.0	90.12	179.64	7,586.3	-7,813.1	-403.7	7,822.9	0.00	0.00	0.00	
15,900.0	90.12	179.64	7,586.1	-7,913.1	-403.0	7,922.8	0.00	0.00	0.00	
16,000.0	90.12	179.64	7,585.9	-8,013.1	-402.4	8,022.7	0.00	0.00	0.00	
16,100.0	90.12	179.64	7,585.7	-8,113.1	-401.8	8,122.6	0.00	0.00	0.00	
16,200.0	90.12	179.64	7,585.5	-8,213.1	-401.1	8,222.5	0.00	0.00	0.00	
16,300.0	90.12	179.64	7,585.3	-8,313.1	-400.5	8,322.4	0.00	0.00	0.00	
16,400.0	90.12	179.64	7,585.1	-8,413.1	-399.9	8,422.3	0.00	0.00	0.00	
16,500.0	90.12	179.64	7,584.9	-8,513.1	-399.2	8,522.2	0.00	0.00	0.00	
16,600.0	90.12	179.64	7,584.7	-8,613.1	-398.6	8,622.1	0.00	0.00	0.00	
16,700.0	90.12	179.64	7,584.5	-8,713.1	-398.0	8,722.0	0.00	0.00	0.00	
16,800.0	90.12	179.64	7,584.3	-8,813.1	-397.3	8,821.9	0.00	0.00	0.00	
16,900.0	90.12	179.64	7,584.1	-8,913.1	-396.7	8,921.8	0.00	0.00	0.00	
17,000.0	90.12	179.64	7,583.9	-9,013.1	-396.1	9,021.7	0.00	0.00	0.00	
17,100.0	90.12	179.64	7,583.7	-9,113.1	-395.4	9,121.5	0.00	0.00	0.00	
17,200.0	90.12	179.64	7,583.5	-9,213.1	-394.8	9,221.4	0.00	0.00	0.00	
17,300.0	90.12	179.64	7,583.3	-9,313.0	-394.2	9,321.3	0.00	0.00	0.00	
17,400.0	90.12	179.64	7,583.1	-9,413.0	-393.5	9,421.2	0.00	0.00	0.00	
17,500.0	90.12	179.64	7,582.9	-9,513.0	-392.9	9,521.1	0.00	0.00	0.00	
17,600.0	90.12	179.64	7,582.7	-9,613.0	-392.3	9,621.0	0.00	0.00	0.00	
17,700.0	90.12	179.64	7,582.5	-9,713.0	-391.7	9,720.9	0.00	0.00	0.00	
17,800.0	90.12	179.64	7,582.3	-9,813.0	-391.0	9,820.8	0.00	0.00	0.00	
17,900.0	90.12	179.64	7,582.1	-9,913.0	-390.4	9,920.7	0.00	0.00	0.00	
17,936.6	90.12	179.64	7,582.0	-9,949.7	-390.2	9,957.3	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 542-2128H PBHL	0.00	0.00	7,582.0	-9,949.7	-390.2	1,567,702.50	3,291,780.83	40° 53' 13.020 N	104° 26' 41.089 W	
- plan hits target center										
- Point										
CC 542-2128H LP	0.00	0.00	7,602.0	0.0	-453.0	1,577,650.74	3,291,599.41	40° 54' 51.329 N	104° 26' 41.910 W	
- plan hits target center										
- Point										