

HOBBS OCD

OCT 19 2016

RECEIVED

WESTERN DIVISION

PBNM

Norwalk

Thistle Unit 118H

Wellbore #1

Plan: Design #1

Standard Planning Report

05 October, 2016

Devon Energy

Planning Report

Database:	EDM r5000 US Production	Local Co-ordinate Reference:	Well Thistle Unit 118H
Company:	WESTERN DIVISION	TVD Reference:	RKB @ 3674.60ft
Project:	PBNM	MD Reference:	RKB @ 3674.60ft
Site:	Norwalk	North Reference:	Grid
Well:	Thistle Unit 118H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	PBNM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Norwalk					
Site Position:		Northing:	0.00 usft	Latitude:	30.988446	
From:	Map	Easting:	0.00 usft	Longitude:	-106.060830	
Position Uncertainty:		0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.89

Well	Thistle Unit 118H					
Well Position	+N/-S	457,579.10 ft	Northing:	457,578.18 usft	Latitude:	32.255601
	+E/-W	779,895.24 ft	Easting:	779,893.68 usft	Longitude:	-103.561630
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,649.60 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/29/2016	6.94	60.09	48,114

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	359.80

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9,131.04	0.00	0.00	9,131.04	0.00	0.00	0.00	0.00	0.00	0.00	
10,031.04	90.00	359.80	9,704.00	572.96	-1.97	10.00	10.00	0.00	359.80	
16,755.39	90.00	359.80	9,704.00	7,297.26	-25.07	0.00	0.00	0.00	0.00	
16,755.39	0.00	0.00	9,704.00	7,297.26	-25.07	0.00	0.00	0.00	180.00	Thistle Unit 118H_BH

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Database: EDM r5000 US Production
Company: WESTERN DIVISION
Project: PBNM
Site: Norwalk
Well: Thistle Unit 118H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Thistle Unit 118H
TVD Reference: RKB @ 3674.60ft
MD Reference: RKB @ 3674.60ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

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5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,131.04	0.00	0.00	9,131.04	0.00	0.00	0.00	0.00	0.00	0.00
9,150.00	1.90	359.80	9,150.00	0.31	0.00	0.31	10.00	10.00	0.00
9,200.00	6.90	359.80	9,199.83	4.14	-0.01	4.14	10.00	10.00	0.00
9,250.00	11.90	359.80	9,249.15	12.30	-0.04	12.30	10.00	10.00	0.00
9,300.00	16.90	359.80	9,297.56	24.73	-0.08	24.73	10.00	10.00	0.00
9,350.00	21.90	359.80	9,344.71	41.33	-0.14	41.33	10.00	10.00	0.00
9,400.00	26.90	359.80	9,390.23	61.98	-0.21	61.98	10.00	10.00	0.00
9,450.00	31.90	359.80	9,433.78	86.51	-0.30	86.51	10.00	10.00	0.00
9,500.00	36.90	359.80	9,475.02	114.75	-0.39	114.75	10.00	10.00	0.00
9,550.00	41.90	359.80	9,513.65	146.47	-0.50	146.47	10.00	10.00	0.00
9,600.00	46.90	359.80	9,549.37	181.44	-0.62	181.44	10.00	10.00	0.00
9,650.00	51.90	359.80	9,581.90	219.39	-0.75	219.39	10.00	10.00	0.00
9,700.00	56.90	359.80	9,611.00	260.03	-0.89	260.03	10.00	10.00	0.00
9,750.00	61.90	359.80	9,636.44	303.05	-1.04	303.05	10.00	10.00	0.00
9,800.00	66.90	359.80	9,658.04	348.12	-1.20	348.13	10.00	10.00	0.00
9,850.00	71.90	359.80	9,675.63	394.91	-1.36	394.91	10.00	10.00	0.00

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Project: PBNM
Site: Norwalk
Well: Thistle Unit 118H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Thistle Unit 118H
TVD Reference: RKB @ 3674.60ft
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North Reference: Grid
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Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,900.00	76.90	359.80	9,689.08	443.05	-1.52	443.06	10.00	10.00	0.00
9,950.00	81.90	359.80	9,698.28	492.18	-1.69	492.19	10.00	10.00	0.00
10,000.00	86.90	359.80	9,703.16	541.93	-1.86	541.93	10.00	10.00	0.00
10,031.04	90.00	359.80	9,704.00	572.96	-1.97	572.96	10.00	10.00	0.00
10,100.00	90.00	359.80	9,704.00	641.91	-2.21	641.92	0.00	0.00	0.00
10,200.00	90.00	359.80	9,704.00	741.91	-2.55	741.92	0.00	0.00	0.00
10,300.00	90.00	359.80	9,704.00	841.91	-2.89	841.92	0.00	0.00	0.00
10,400.00	90.00	359.80	9,704.00	941.91	-3.24	941.92	0.00	0.00	0.00
10,500.00	90.00	359.80	9,704.00	1,041.91	-3.58	1,041.92	0.00	0.00	0.00
10,600.00	90.00	359.80	9,704.00	1,141.91	-3.92	1,141.92	0.00	0.00	0.00
10,700.00	90.00	359.80	9,704.00	1,241.91	-4.27	1,241.92	0.00	0.00	0.00
10,800.00	90.00	359.80	9,704.00	1,341.91	-4.61	1,341.92	0.00	0.00	0.00
10,900.00	90.00	359.80	9,704.00	1,441.91	-4.95	1,441.92	0.00	0.00	0.00
11,000.00	90.00	359.80	9,704.00	1,541.91	-5.30	1,541.92	0.00	0.00	0.00
11,100.00	90.00	359.80	9,704.00	1,641.91	-5.64	1,641.92	0.00	0.00	0.00
11,200.00	90.00	359.80	9,704.00	1,741.91	-5.98	1,741.92	0.00	0.00	0.00
11,300.00	90.00	359.80	9,704.00	1,841.91	-6.33	1,841.92	0.00	0.00	0.00
11,400.00	90.00	359.80	9,704.00	1,941.90	-6.67	1,941.92	0.00	0.00	0.00
11,500.00	90.00	359.80	9,704.00	2,041.90	-7.02	2,041.92	0.00	0.00	0.00
11,600.00	90.00	359.80	9,704.00	2,141.90	-7.36	2,141.92	0.00	0.00	0.00
11,700.00	90.00	359.80	9,704.00	2,241.90	-7.70	2,241.92	0.00	0.00	0.00
11,800.00	90.00	359.80	9,704.00	2,341.90	-8.05	2,341.92	0.00	0.00	0.00
11,900.00	90.00	359.80	9,704.00	2,441.90	-8.39	2,441.92	0.00	0.00	0.00
12,000.00	90.00	359.80	9,704.00	2,541.90	-8.73	2,541.92	0.00	0.00	0.00
12,100.00	90.00	359.80	9,704.00	2,641.90	-9.08	2,641.92	0.00	0.00	0.00
12,200.00	90.00	359.80	9,704.00	2,741.90	-9.42	2,741.92	0.00	0.00	0.00
12,300.00	90.00	359.80	9,704.00	2,841.90	-9.76	2,841.92	0.00	0.00	0.00
12,400.00	90.00	359.80	9,704.00	2,941.90	-10.11	2,941.92	0.00	0.00	0.00
12,500.00	90.00	359.80	9,704.00	3,041.90	-10.45	3,041.92	0.00	0.00	0.00
12,600.00	90.00	359.80	9,704.00	3,141.90	-10.79	3,141.92	0.00	0.00	0.00
12,700.00	90.00	359.80	9,704.00	3,241.90	-11.14	3,241.92	0.00	0.00	0.00
12,800.00	90.00	359.80	9,704.00	3,341.90	-11.48	3,341.92	0.00	0.00	0.00
12,900.00	90.00	359.80	9,704.00	3,441.90	-11.82	3,441.92	0.00	0.00	0.00
13,000.00	90.00	359.80	9,704.00	3,541.90	-12.17	3,541.92	0.00	0.00	0.00
13,100.00	90.00	359.80	9,704.00	3,641.89	-12.51	3,641.92	0.00	0.00	0.00
13,200.00	90.00	359.80	9,704.00	3,741.89	-12.86	3,741.92	0.00	0.00	0.00
13,300.00	90.00	359.80	9,704.00	3,841.89	-13.20	3,841.92	0.00	0.00	0.00
13,400.00	90.00	359.80	9,704.00	3,941.89	-13.54	3,941.92	0.00	0.00	0.00
13,500.00	90.00	359.80	9,704.00	4,041.89	-13.89	4,041.92	0.00	0.00	0.00
13,600.00	90.00	359.80	9,704.00	4,141.89	-14.23	4,141.92	0.00	0.00	0.00
13,700.00	90.00	359.80	9,704.00	4,241.89	-14.57	4,241.92	0.00	0.00	0.00
13,800.00	90.00	359.80	9,704.00	4,341.89	-14.92	4,341.92	0.00	0.00	0.00
13,900.00	90.00	359.80	9,704.00	4,441.89	-15.26	4,441.92	0.00	0.00	0.00
14,000.00	90.00	359.80	9,704.00	4,541.89	-15.60	4,541.92	0.00	0.00	0.00
14,100.00	90.00	359.80	9,704.00	4,641.89	-15.95	4,641.92	0.00	0.00	0.00
14,200.00	90.00	359.80	9,704.00	4,741.89	-16.29	4,741.92	0.00	0.00	0.00
14,300.00	90.00	359.80	9,704.00	4,841.89	-16.63	4,841.92	0.00	0.00	0.00
14,400.00	90.00	359.80	9,704.00	4,941.89	-16.98	4,941.92	0.00	0.00	0.00
14,500.00	90.00	359.80	9,704.00	5,041.89	-17.32	5,041.92	0.00	0.00	0.00
14,600.00	90.00	359.80	9,704.00	5,141.89	-17.67	5,141.92	0.00	0.00	0.00
14,700.00	90.00	359.80	9,704.00	5,241.89	-18.01	5,241.92	0.00	0.00	0.00
14,800.00	90.00	359.80	9,704.00	5,341.88	-18.35	5,341.92	0.00	0.00	0.00
14,900.00	90.00	359.80	9,704.00	5,441.88	-18.70	5,441.92	0.00	0.00	0.00
15,000.00	90.00	359.80	9,704.00	5,541.88	-19.04	5,541.92	0.00	0.00	0.00

Devon Energy
Planning Report

Database: EDM r5000 US Production
Company: WESTERN DIVISION
Project: PBNM
Site: Norwalk
Well: Thistle Unit 118H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Thistle Unit 118H
TVD Reference: RKB @ 3674.60ft
MD Reference: RKB @ 3674.60ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,100.00	90.00	359.80	9,704.00	5,641.88	-19.38	5,641.92	0.00	0.00	0.00
15,200.00	90.00	359.80	9,704.00	5,741.88	-19.73	5,741.92	0.00	0.00	0.00
15,300.00	90.00	359.80	9,704.00	5,841.88	-20.07	5,841.92	0.00	0.00	0.00
15,400.00	90.00	359.80	9,704.00	5,941.88	-20.41	5,941.92	0.00	0.00	0.00
15,500.00	90.00	359.80	9,704.00	6,041.88	-20.76	6,041.92	0.00	0.00	0.00
15,600.00	90.00	359.80	9,704.00	6,141.88	-21.10	6,141.92	0.00	0.00	0.00
15,700.00	90.00	359.80	9,704.00	6,241.88	-21.44	6,241.92	0.00	0.00	0.00
15,800.00	90.00	359.80	9,704.00	6,341.88	-21.79	6,341.92	0.00	0.00	0.00
15,900.00	90.00	359.80	9,704.00	6,441.88	-22.13	6,441.92	0.00	0.00	0.00
16,000.00	90.00	359.80	9,704.00	6,541.88	-22.47	6,541.92	0.00	0.00	0.00
16,100.00	90.00	359.80	9,704.00	6,641.88	-22.82	6,641.92	0.00	0.00	0.00
16,200.00	90.00	359.80	9,704.00	6,741.88	-23.16	6,741.92	0.00	0.00	0.00
16,300.00	90.00	359.80	9,704.00	6,841.88	-23.51	6,841.92	0.00	0.00	0.00
16,400.00	90.00	359.80	9,704.00	6,941.88	-23.85	6,941.92	0.00	0.00	0.00
16,500.00	90.00	359.80	9,704.00	7,041.87	-24.19	7,041.92	0.00	0.00	0.00
16,600.00	90.00	359.80	9,704.00	7,141.87	-24.54	7,141.92	0.00	0.00	0.00
16,700.00	90.00	359.80	9,704.00	7,241.87	-24.88	7,241.92	0.00	0.00	0.00
16,755.39	0.00	0.00	9,704.00	7,297.26	-25.07	7,297.31	162.48	-162.48	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Thistle Unit 118H_BHL - hit/miss target - Shape - plan hits target center - Point	0.00	0.00	9,704.00	7,297.26	-25.07	464,875.43	779,868.61	32.275659	-103.561541