

Chesapeake Energy -Rockies District

Weld - DJ Basin

Hutchison 2-9-67 1H

Hutchison 2-9-67 1H

Hutchison 2-9-67 1H

Plan: Hutchison 2-9-67 1H

Standard Planning Report

03 July, 2011

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Hutchison 2-9-67 1H
Company:	Chesapeake Energy -Rockies District	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Project:	Weld - DJ Basin	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Hutchison 2-9-67 1H	North Reference:	Grid
Well:	Hutchison 2-9-67 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hutchison 2-9-67 1H		
Design:	Hutchison 2-9-67 1H		

Project	Weld - DJ Basin		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Colorado North 501		

Site	Hutchison 2-9-67 1H		
Site Position:	Northing:	523,899.34 ft	Latitude: 40° 46' 11.04409918 N
From: Map	Easting:	2,178,370.39 ft	Longitude: 104° 51' 21.85458671 W
Position Uncertainty:	0.0 usft	Slot Radius: 13.200 in	Grid Convergence: 0.42 °

Well	Hutchison 2-9-67 1H		
Well Position	+N/-S	0.0 usft	Northing: 523,899.34 ft
	+E/-W	0.0 usft	Easting: 2,178,370.39 ft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 0.0 usft

Wellbore	Hutchison 2-9-67 1H		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF200510	7/3/2011	8.90
			Dip Angle (°)
			67.34
			Field Strength (nT)
			53,372

Design	Hutchison 2-9-67 1H		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			359.90

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	
7,268.8	0.00	0.00	7,268.8	0.0	0.0	0.00	0.00	0.00	0.00	
8,166.8	89.80	359.90	7,841.7	571.0	-1.0	10.00	10.00	0.00	359.90	
11,973.5	89.80	359.90	7,855.0	4,377.7	-7.4	0.00	0.00	0.00	0.00	Hutchison 2-9-67 1H

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 Site: Hutchison 2-9-67 1H
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 Wellbore: Hutchison 2-9-67 1H
 Design: Hutchison 2-9-67 1H

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well Hutchison 2-9-67 1H
 WELL @ 0.0usft (Original Well Elev)
 WELL @ 0.0usft (Original Well Elev)
 Grid
 Minimum Curvature

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
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
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

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Wellbore:	Hutchison 2-9-67 1H		
Design:	Hutchison 2-9-67 1H		

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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,268.8	0.00	0.00	7,268.8	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	3.12	359.90	7,300.0	0.9	0.0	0.9	10.00	10.00	0.00
7,350.0	8.12	359.90	7,349.7	5.8	0.0	5.8	10.00	10.00	0.00
7,400.0	13.12	359.90	7,398.9	15.0	0.0	15.0	10.00	10.00	0.00
7,450.0	18.12	359.90	7,447.0	28.4	0.0	28.4	10.00	10.00	0.00
7,500.0	23.12	359.90	7,493.8	46.0	-0.1	46.0	10.00	10.00	0.00
7,550.0	28.12	359.90	7,538.8	67.7	-0.1	67.7	10.00	10.00	0.00
7,600.0	33.12	359.90	7,581.9	93.1	-0.2	93.1	10.00	10.00	0.00
7,650.0	38.12	359.90	7,622.5	122.2	-0.2	122.2	10.00	10.00	0.00
7,700.0	43.12	359.90	7,660.4	154.8	-0.3	154.8	10.00	10.00	0.00
7,750.0	48.12	359.90	7,695.4	190.5	-0.3	190.5	10.00	10.00	0.00
7,800.0	53.12	359.90	7,727.1	229.1	-0.4	229.1	10.00	10.00	0.00
7,850.0	58.12	359.90	7,755.3	270.4	-0.5	270.4	10.00	10.00	0.00
7,900.0	63.12	359.90	7,779.8	313.9	-0.5	313.9	10.00	10.00	0.00
7,950.0	68.12	359.90	7,800.5	359.5	-0.6	359.5	10.00	10.00	0.00
8,000.0	73.12	359.90	7,817.0	406.6	-0.7	406.6	10.00	10.00	0.00
8,050.0	78.12	359.90	7,829.5	455.0	-0.8	455.0	10.00	10.00	0.00
8,100.0	83.12	359.90	7,837.6	504.4	-0.9	504.4	10.00	10.00	0.00
8,150.0	88.12	359.90	7,841.4	554.2	-0.9	554.2	10.00	10.00	0.00
8,166.8	89.80	359.90	7,841.7	571.0	-1.0	571.0	10.00	10.00	0.00
8,200.0	89.80	359.90	7,841.8	604.2	-1.0	604.2	0.00	0.00	0.00
8,300.0	89.80	359.90	7,842.2	704.2	-1.2	704.2	0.00	0.00	0.00
8,400.0	89.80	359.90	7,842.5	804.2	-1.4	804.2	0.00	0.00	0.00
8,500.0	89.80	359.90	7,842.9	904.2	-1.5	904.2	0.00	0.00	0.00
8,600.0	89.80	359.90	7,843.2	1,004.2	-1.7	1,004.2	0.00	0.00	0.00
8,700.0	89.80	359.90	7,843.6	1,104.2	-1.9	1,104.2	0.00	0.00	0.00
8,800.0	89.80	359.90	7,843.9	1,204.2	-2.0	1,204.2	0.00	0.00	0.00
8,900.0	89.80	359.90	7,844.3	1,304.2	-2.2	1,304.2	0.00	0.00	0.00
9,000.0	89.80	359.90	7,844.6	1,404.2	-2.4	1,404.2	0.00	0.00	0.00
9,100.0	89.80	359.90	7,845.0	1,504.2	-2.5	1,504.2	0.00	0.00	0.00
9,200.0	89.80	359.90	7,845.3	1,604.2	-2.7	1,604.2	0.00	0.00	0.00
9,300.0	89.80	359.90	7,845.7	1,704.2	-2.9	1,704.2	0.00	0.00	0.00
9,400.0	89.80	359.90	7,846.0	1,804.2	-3.0	1,804.2	0.00	0.00	0.00
9,500.0	89.80	359.90	7,846.4	1,904.2	-3.2	1,904.2	0.00	0.00	0.00
9,600.0	89.80	359.90	7,846.7	2,004.2	-3.4	2,004.2	0.00	0.00	0.00

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Wellbore:	Hutchison 2-9-67 1H		
Design:	Hutchison 2-9-67 1H		

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)
9,700.0	89.80	359.90	7,847.1	2,104.2	-3.6	2,104.2	0.00	0.00	0.00
9,800.0	89.80	359.90	7,847.4	2,204.2	-3.7	2,204.2	0.00	0.00	0.00
9,900.0	89.80	359.90	7,847.8	2,304.2	-3.9	2,304.2	0.00	0.00	0.00
10,000.0	89.80	359.90	7,848.1	2,404.2	-4.1	2,404.2	0.00	0.00	0.00
10,100.0	89.80	359.90	7,848.5	2,504.2	-4.2	2,504.2	0.00	0.00	0.00
10,200.0	89.80	359.90	7,848.8	2,604.2	-4.4	2,604.2	0.00	0.00	0.00
10,300.0	89.80	359.90	7,849.2	2,704.2	-4.6	2,704.2	0.00	0.00	0.00
10,400.0	89.80	359.90	7,849.5	2,804.2	-4.7	2,804.2	0.00	0.00	0.00
10,500.0	89.80	359.90	7,849.9	2,904.2	-4.9	2,904.2	0.00	0.00	0.00
10,600.0	89.80	359.90	7,850.2	3,004.2	-5.1	3,004.2	0.00	0.00	0.00
10,700.0	89.80	359.90	7,850.6	3,104.2	-5.2	3,104.2	0.00	0.00	0.00
10,800.0	89.80	359.90	7,850.9	3,204.2	-5.4	3,204.2	0.00	0.00	0.00
10,900.0	89.80	359.90	7,851.3	3,304.2	-5.6	3,304.2	0.00	0.00	0.00
11,000.0	89.80	359.90	7,851.6	3,404.2	-5.7	3,404.2	0.00	0.00	0.00
11,100.0	89.80	359.90	7,852.0	3,504.2	-5.9	3,504.2	0.00	0.00	0.00
11,200.0	89.80	359.90	7,852.3	3,604.2	-6.1	3,604.2	0.00	0.00	0.00
11,300.0	89.80	359.90	7,852.6	3,704.2	-6.3	3,704.2	0.00	0.00	0.00
11,400.0	89.80	359.90	7,853.0	3,804.2	-6.4	3,804.2	0.00	0.00	0.00
11,500.0	89.80	359.90	7,853.3	3,904.2	-6.6	3,904.2	0.00	0.00	0.00
11,600.0	89.80	359.90	7,853.7	4,004.2	-6.8	4,004.2	0.00	0.00	0.00
11,700.0	89.80	359.90	7,854.0	4,104.2	-6.9	4,104.2	0.00	0.00	0.00
11,800.0	89.80	359.90	7,854.4	4,204.2	-7.1	4,204.2	0.00	0.00	0.00
11,900.0	89.80	359.90	7,854.7	4,304.2	-7.3	4,304.2	0.00	0.00	0.00
11,973.5	89.80	359.90	7,855.0	4,377.7	-7.4	4,377.7	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Hutchison 2-9-67 1H - plan hits target center - Point	0.00	0.00	7,855.0	4,377.7	-7.4	528,277.00	2,178,363.00	0° 46' 54.29986882 N	4° 51' 21.53742877 W

Well: Hutchison 2-9-67 1H
Zone of Interest: Niobrara Shale

Drill 12-1/4" surface hole to section TD at 1300'.

Set 9-5/8" 40# J-55 casing and cement with Lead and Tail cement (see details below). Cement will be circulated to surface.

Install 11" x 5,000 psi BOP and test as required

Drill 8-3/4" hole to KOP.

Kick off and drill 8-3/4" curve at 10 deg/100' to end of build.

Drill 7-7/8" open hole to well TD

Acquire shuttle logs: Triple combo and image logs in open hole

Set 4-1/2" casing cement as shown below.

Suspend well and move drilling rig out in preparation for well completion

CASING AND CEMENTING PROGRAM

The proposed casing program will be as follows:

<u>Purpose</u>	<u>Interval</u>		<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>From</u>	<u>To</u>	<u>(")</u>	<u>(")</u>	<u>Lbs/Ft</u>			
Surface	0	1300	12 1/4	9 5/8	40	J-55	LTC	New
Production	0	11974	8 3/4	4 1/2	11.6	P-110	LTC	New

Casing design subject to revision based on geologic conditions encountered.

Casing Safety Factors:

Interval	Casing	Burst	Collapse	Axial
Surface	9 5/8	2.03	2.03	4.78
Production	4 1/2	1.32	2.26	1.63

Centralizer Program

Casing	9 5/8	4 1/2
# of Bow-type spring centralizer	11	43

Cement Program

<u>Surface Casing</u>	<u>Slurry Volume</u>			<u>Weight</u>	<u>Yield</u>	<u>Mix H2O</u>	<u>TOC</u>
	<u>% Excess</u>	<u>(BBLs)</u>	<u>(Sacks)</u>	<u>(PPG)</u>	<u>(cuft/sk)</u>	<u>(GPS)</u>	
Lead Slurry	100%	109	207	11.50	2.95	17.88	0
Tail Slurry	100%	42	204	15.80	1.15	4.96	975

	<u>Lead</u>	<u>Tail</u>
Surface Casing with TOC at surface	Rockies LT 0.2 % Versaset (Additive Material) 0.2 % D-AIR 3000 (Additive Material) 0.125 lbm/sk Poly-E-Flake (Additive Material) 0.25 lbm/sk Kwik Seal (Additive Material)	Premium Cement, 94 lbm/sk Premium Cement (Cement) 1 % Calcium Chloride, Pellet (Accelerator) 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Cement must be circulated to surface

Production Casing Cement	Slurry Volume			Weight	Yield	Mix H2O	TOC
	% Excess	(BBLS)	(Sacks)	(PPG)	(cuft/sk)	(GPS)	
Lead Slurry	20%	362	923	12.00	2.20	12.30	1250'
Tail Slurry	20%	279	1071	14.60	1.46	6.10	

	Lead	Tail
Production Casing Cement	Poz Type I-II 50/50 1 % Bentonite (Light Weight Additive) 3 lbm/sk Silicalite Compacted (Additive Material) 3 % Microbond HT (Additive Material) 0.2 % Halad(R)-322 (Low Fluid Loss Control) 0.4 % Halad(R)-344 (Low Fluid Loss Control) 0.3 % HR-5 (Retarder)	50/50 Poz Premium 2 % Bentonite (Light Weight Additive) 5 lbm/sk Silicalite Compacted (Light Weight Additive) 0.5 % Versaset (Thixotropic Additive) 0.5 % Econolite (Cement Material) 0.6 % HR-7 (Retarder) 0.5 % D-AIR 3000 (Defoamer) 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) 0.25 lbm/sk Kwik Seal (Lost Circulation Additive)

The cement must achieve a compressive strength of at least 500 psi at the shoe prior to casing test and drilling out the shoe track. WOC time shall be recorded in the driller's log.

MUD PROGRAM

Purpose	Interval		Hole Size	Mud Type	Mud Weight	Viscosity	Fluid Loss	pH
	From	To	(")	(")	Lbs/Ft			
Surface	0'	1300'	12 1/4	WBM	8.4 – 8.8	28 – 32	N/C	9
Production	1300'	8167'	8 3/4	WBM	8.5 – 9.5	35 – 46	4 – 6	9
	8167'	11974'	7 7/8	WBM	9.0 - 10.0	36 – 46	4 – 6	9

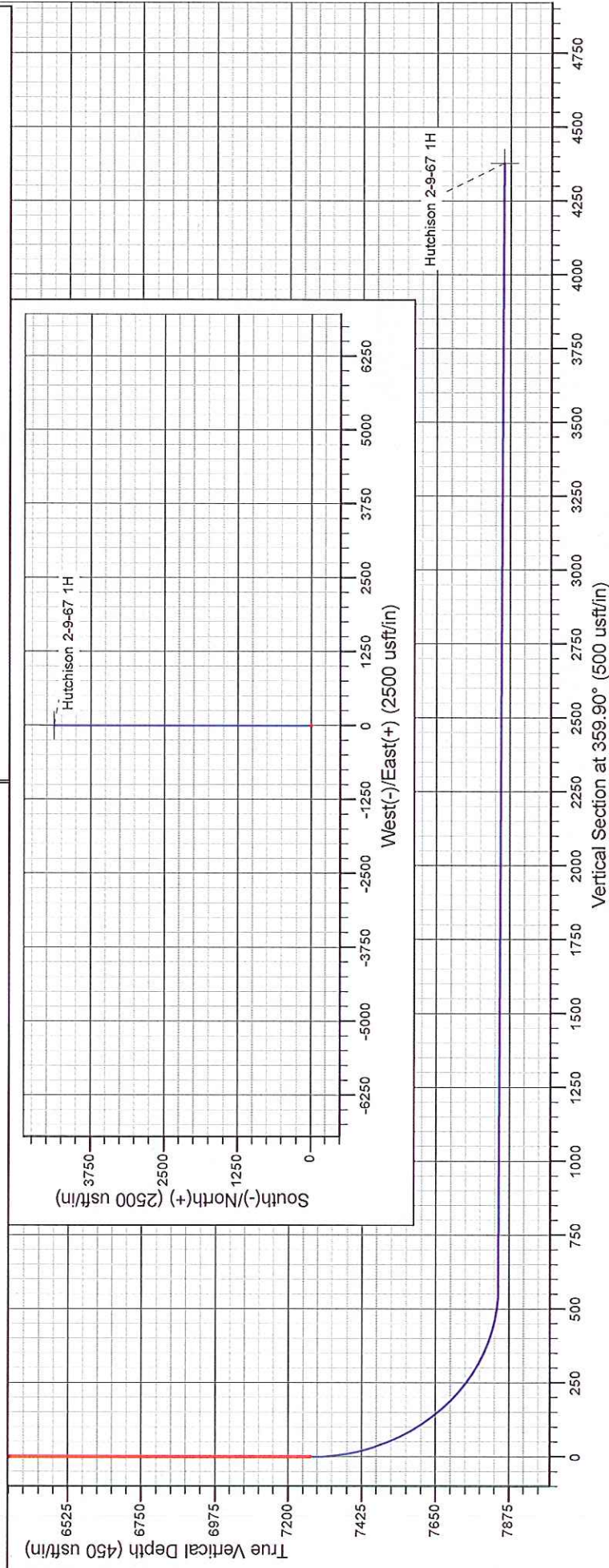
WBM = Water Based Mud

Project: Weld - DJ Basin
 Site: Hutchison 2-9-67 1H
 Well: Hutchison 2-9-67 1H
 Wellbore: Hutchison 2-9-67 1H
 Design: Hutchison 2-9-67 1H

PROJECT DETAILS: Weld - DJ Basin

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: Colorado North 501

System Datum: Mean Sea Level



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	7268.8	0.00	0.00	7268.8	0.0	0.0	0.00	0.00	0.0	
3	8166.8	89.80	359.90	7841.7	571.0	-1.0	10.00	359.90	571.0	
411973.5	89.80	359.90	7855.0	4377.7	-7.4	0.00	0.00	4377.7		Hutchison 2-9-67 1H