

Chesapeake Energy -Rockies District

Weld - DJ Basin

Wagner 11-65 9-1H

Wagner 11-65 9-1H

Wagner 11-65 9-1H

Plan: Design #1

Standard Planning Report

19 April, 2011

Chesapeake Energy Corporation

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Wagner 11-65 9-1H
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:	Wagner 11-65 9-1H	North Reference:	Grid
Well:	Wagner 11-65 9-1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wagner 11-65 9-1H		
Design:	Design #1		

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		Wagner 11-65 9-1H			
Site Position:		Northing:	586,671.93 ft	Latitude:	40° 56' 26.94067827 N
From:	Map	Easting:	2,230,908.88 ft	Longitude:	104° 39' 51.38326369 W
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in	Grid Convergence:	0.54 °

Well	Wagner 11-65 9-1H					
Well Position	+N/-S	0.0 usft	Northing:	586,671.93 ft	Latitude:	40° 56' 26.94067827 N
	+E/-W	0.0 usft	Easting:	2,230,908.88 ft	Longitude:	104° 39' 51.38326369 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	0.0 usft

Wellbore	Wagner 11-65 9-1H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/25/2011	8.87	67.52	53,525

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.83

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	
8,029.3	0.00	0.00	8,029.3	0.0	0.0	0.00	0.00	0.00	0.00	
8,932.3	90.30	180.83	8,602.3	-575.9	-8.3	10.00	10.00	0.00	180.83	
12,422.8	90.30	180.83	8,584.0	-4,065.9	-58.9	0.00	0.00	0.00	0.00	Wagner 11-65 9-1H

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Site:	Wagner 11-65 9-1H	North Reference:	Grid
Well:	Wagner 11-65 9-1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wagner 11-65 9-1H		
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	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:	Wagner 11-65 9-1H		
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)
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
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,029.3	0.00	0.00	8,029.3	0.0	0.0	0.0	0.00	0.00	0.00
8,050.0	2.07	180.83	8,050.0	-0.4	0.0	0.4	10.00	10.00	0.00
8,100.0	7.07	180.83	8,099.8	-4.4	-0.1	4.4	10.00	10.00	0.00
8,150.0	12.07	180.83	8,149.1	-12.7	-0.2	12.7	10.00	10.00	0.00
8,200.0	17.07	180.83	8,197.5	-25.2	-0.4	25.2	10.00	10.00	0.00
8,250.0	22.07	180.83	8,244.6	-42.0	-0.6	42.0	10.00	10.00	0.00
8,300.0	27.07	180.83	8,290.0	-62.7	-0.9	62.8	10.00	10.00	0.00
8,350.0	32.07	180.83	8,333.5	-87.4	-1.3	87.4	10.00	10.00	0.00
8,400.0	37.07	180.83	8,374.7	-115.8	-1.7	115.8	10.00	10.00	0.00
8,450.0	42.07	180.83	8,413.2	-147.6	-2.1	147.6	10.00	10.00	0.00
8,500.0	47.07	180.83	8,448.8	-182.7	-2.6	182.7	10.00	10.00	0.00
8,550.0	52.07	180.83	8,481.2	-220.7	-3.2	220.7	10.00	10.00	0.00
8,600.0	57.07	180.83	8,510.2	-261.4	-3.8	261.5	10.00	10.00	0.00
8,650.0	62.07	180.83	8,535.5	-304.5	-4.4	304.6	10.00	10.00	0.00
8,700.0	67.07	180.83	8,557.0	-349.7	-5.1	349.7	10.00	10.00	0.00
8,750.0	72.07	180.83	8,574.4	-396.5	-5.7	396.5	10.00	10.00	0.00
8,800.0	77.07	180.83	8,587.7	-444.7	-6.4	444.7	10.00	10.00	0.00
8,850.0	82.07	180.83	8,596.8	-493.8	-7.2	493.9	10.00	10.00	0.00
8,900.0	87.07	180.83	8,601.5	-543.6	-7.9	543.6	10.00	10.00	0.00
8,932.3	90.30	180.83	8,602.3	-575.9	-8.3	576.0	10.00	10.00	0.00
9,000.0	90.30	180.83	8,601.9	-643.6	-9.3	643.6	0.00	0.00	0.00
9,100.0	90.30	180.83	8,601.4	-743.6	-10.8	743.6	0.00	0.00	0.00
9,200.0	90.30	180.83	8,600.9	-843.5	-12.2	843.6	0.00	0.00	0.00
9,300.0	90.30	180.83	8,600.4	-943.5	-13.7	943.6	0.00	0.00	0.00
9,400.0	90.30	180.83	8,599.8	-1,043.5	-15.1	1,043.6	0.00	0.00	0.00
9,500.0	90.30	180.83	8,599.3	-1,143.5	-16.6	1,143.6	0.00	0.00	0.00
9,600.0	90.30	180.83	8,598.8	-1,243.5	-18.0	1,243.6	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)	
9,700.0	90.30	180.83	8,598.3	-1,343.5	-19.5	1,343.6	0.00	0.00	0.00	
9,800.0	90.30	180.83	8,597.7	-1,443.5	-20.9	1,443.6	0.00	0.00	0.00	
9,900.0	90.30	180.83	8,597.2	-1,543.5	-22.4	1,543.6	0.00	0.00	0.00	
10,000.0	90.30	180.83	8,596.7	-1,643.4	-23.8	1,643.6	0.00	0.00	0.00	
10,100.0	90.30	180.83	8,596.2	-1,743.4	-25.2	1,743.6	0.00	0.00	0.00	
10,200.0	90.30	180.83	8,595.6	-1,843.4	-26.7	1,843.6	0.00	0.00	0.00	
10,300.0	90.30	180.83	8,595.1	-1,943.4	-28.1	1,943.6	0.00	0.00	0.00	
10,400.0	90.30	180.83	8,594.6	-2,043.4	-29.6	2,043.6	0.00	0.00	0.00	
10,500.0	90.30	180.83	8,594.1	-2,143.4	-31.0	2,143.6	0.00	0.00	0.00	
10,600.0	90.30	180.83	8,593.5	-2,243.4	-32.5	2,243.6	0.00	0.00	0.00	
10,700.0	90.30	180.83	8,593.0	-2,343.4	-33.9	2,343.6	0.00	0.00	0.00	
10,800.0	90.30	180.83	8,592.5	-2,443.4	-35.4	2,443.6	0.00	0.00	0.00	
10,900.0	90.30	180.83	8,592.0	-2,543.3	-36.8	2,543.6	0.00	0.00	0.00	
11,000.0	90.30	180.83	8,591.4	-2,643.3	-38.3	2,643.6	0.00	0.00	0.00	
11,100.0	90.30	180.83	8,590.9	-2,743.3	-39.7	2,743.6	0.00	0.00	0.00	
11,200.0	90.30	180.83	8,590.4	-2,843.3	-41.2	2,843.6	0.00	0.00	0.00	
11,300.0	90.30	180.83	8,589.9	-2,943.3	-42.6	2,943.6	0.00	0.00	0.00	
11,400.0	90.30	180.83	8,589.4	-3,043.3	-44.1	3,043.6	0.00	0.00	0.00	
11,500.0	90.30	180.83	8,588.8	-3,143.3	-45.5	3,143.6	0.00	0.00	0.00	
11,600.0	90.30	180.83	8,588.3	-3,243.3	-47.0	3,243.6	0.00	0.00	0.00	
11,700.0	90.30	180.83	8,587.8	-3,343.2	-48.4	3,343.6	0.00	0.00	0.00	
11,800.0	90.30	180.83	8,587.3	-3,443.2	-49.9	3,443.6	0.00	0.00	0.00	
11,900.0	90.30	180.83	8,586.7	-3,543.2	-51.3	3,543.6	0.00	0.00	0.00	
12,000.0	90.30	180.83	8,586.2	-3,643.2	-52.8	3,643.6	0.00	0.00	0.00	
12,100.0	90.30	180.83	8,585.7	-3,743.2	-54.2	3,743.6	0.00	0.00	0.00	
12,200.0	90.30	180.83	8,585.2	-3,843.2	-55.7	3,843.6	0.00	0.00	0.00	
12,300.0	90.30	180.83	8,584.6	-3,943.2	-57.1	3,943.6	0.00	0.00	0.00	
12,400.0	90.30	180.83	8,584.1	-4,043.2	-58.6	4,043.6	0.00	0.00	0.00	
12,422.8	90.30	180.83	8,584.0	-4,065.9	-58.9	4,066.3	0.00	0.00	0.00	

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Wagner 11-65 9-1H - hit/miss target - Shape	0.00	0.00	8,584.0	-4,065.9	-58.9	582,606.00	2,230,850.00	0° 55' 46.77412706 N	4° 39' 52.64947641 W
- plan hits target center									
- Point									