



**Bill Barrett Corporation**

**SITE DETAILS:** Dutch Lake 25-01H  
Briggsdale

Site Latitude: 40° 31' 21.799 N  
Site Longitude: 104° 16' 42.989 W

**COMPANY DETAILS:** BILL BARRETT CORP

Calculation Method: Minimum Curvature  
Error System: ISCWSA  
Scan Method: Closest Approach 3D  
Error Surface: Elliptical Conic  
Warning Method: Error Ratio

Positional Uncertainty: 0.0  
Convergence: 0.79  
Local North: True

**WELL DETAILS:** Dutch Lake 25-01H

Ground Level: 4750.5

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1435606.71	3339543.79	40° 31' 21.799 N	104° 16' 42.989 W	

**WELLBORE TARGET DETAILS (LAT/LONG)**

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
BTV 25-01H	5000.0	336.0	261.0	40° 31' 25.119 N	104° 16' 39.609 W	Point
Dutch Lake 25-01H PBHL	6175.0	-4453.7	258.6	40° 30' 37.789 N	104° 16' 39.641 W	Rectangle (Sides: L200.0 W200.0)

**SECTION DETAILS**

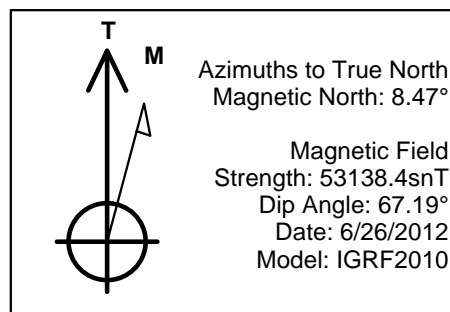
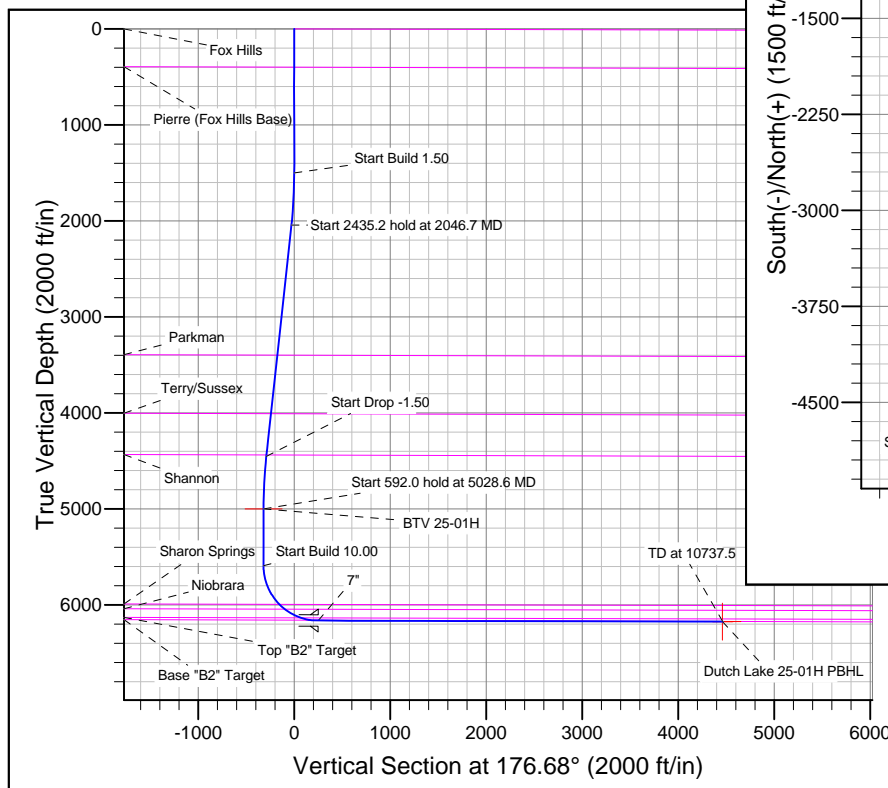
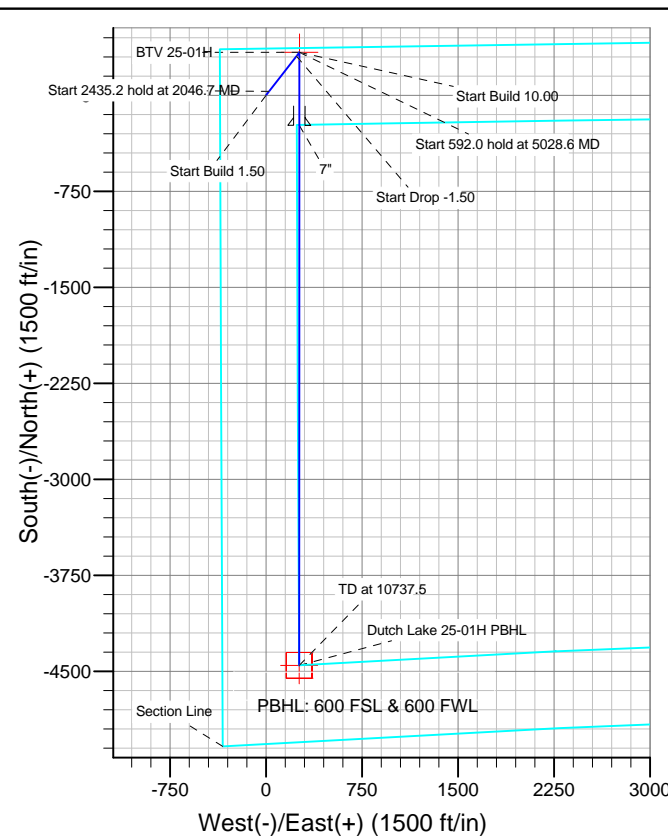
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2046.7	8.20	37.84	2044.8	30.8	24.0	1.50	37.84	-29.4	
4	4481.9	8.20	37.84	4455.2	305.2	237.0	0.00	0.00	-290.9	
5	5028.6	0.00	0.00	5000.0	336.0	261.0	1.50	180.00	-320.3	BTV 25-01H
6	5620.6	0.00	0.00	5592.0	336.0	261.0	0.00	0.00	-320.3	
7	6519.3	89.86	180.03	6165.0	-235.6	260.7	10.00	180.03	250.3	
8	10737.5	89.86	180.03	6175.0	-4453.8	258.5	0.00	0.00	4461.3	Dutch Lake 25-01H PBHL

**FORMATION TOP DETAILS**

TVDPath	MDPath	Formation
400.0	400.0	Fox Hills
3399.5	3415.3	Pierre (Fox Hills Base)
4009.3	4031.4	Parkman
4439.2	4465.8	Terry/Sussex
5994.5	6066.9	Shannon
6044.7	6142.6	Sharon Springs
6135.2	6335.0	Niobrara
6160.5	6448.8	Top "B2" Target
		Base "B2" Target

**CASING DETAILS**

TVD	MD	Name	Size
6165.0	6519.3	7"	7



# **BILL BARRETT CORP**

**WELD COUNTY, COLORADO**

**Dutch Lake 25-01H**

**Dutch Lake 25-01H**

**Dutch Lake 25-01H**

**Plan: Design #1**

## **Standard Planning Report**

**26 June, 2012**

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Dutch Lake 25-01H
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Site:</b>	Dutch Lake 25-01H	<b>North Reference:</b>	True
<b>Well:</b>	Dutch Lake 25-01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Dutch Lake 25-01H		
<b>Design:</b>	Design #1		

<b>Project</b>	WELD COUNTY, COLORADO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		Dutch Lake 25-01H			
Site Position:		Northing:	1,435,606.71 ft	Latitude:	40° 31' 21.799 N
From:	Lat/Long	Easting:	3,339,543.79 ft	Longitude:	104° 16' 42.989 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.79 °

Well	Dutch Lake 25-01H					
Well Position	+N/-S	0.0 ft	Northing:	1,435,606.71 ft	Latitude:	40° 31' 21.799 N
	+E/-W	0.0 ft	Easting:	3,339,543.79 ft	Longitude:	104° 16' 42.989 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,750.5 ft

<b>Wellbore</b>	Dutch Lake 25-01H				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	6/26/2012	8.47	67.19	53,138

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	176.68

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	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	
2,046.7	8.20	37.84	2,044.8	30.8	24.0	1.50	1.50	0.00	37.84	
4,481.9	8.20	37.84	4,455.2	305.2	237.0	0.00	0.00	0.00	0.00	
5,028.6	0.00	0.00	5,000.0	336.0	261.0	1.50	-1.50	0.00	180.00	BTV 25-01H
5,620.6	0.00	0.00	5,592.0	336.0	261.0	0.00	0.00	0.00	0.00	
6,519.3	89.86	180.03	6,165.0	-235.6	260.7	10.00	10.00	0.00	180.03	
10,737.5	89.86	180.03	6,175.0	-4,453.8	258.5	0.00	0.00	0.00	0.00	Dutch Lake 25-01H P

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Dutch Lake 25-01H
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Site:</b>	Dutch Lake 25-01H	<b>North Reference:</b>	True
<b>Well:</b>	Dutch Lake 25-01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Dutch Lake 25-01H		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
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
Pierre (Fox Hills Base)									
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
Start Build 1.50									
1,600.0	1.50	37.84	1,600.0	1.0	0.8	-1.0	1.50	1.50	0.00
1,700.0	3.00	37.84	1,699.9	4.1	3.2	-3.9	1.50	1.50	0.00
1,800.0	4.50	37.84	1,799.7	9.3	7.2	-8.9	1.50	1.50	0.00
1,900.0	6.00	37.84	1,899.3	16.5	12.8	-15.8	1.50	1.50	0.00
2,000.0	7.50	37.84	1,998.6	25.8	20.0	-24.6	1.50	1.50	0.00
2,046.7	8.20	37.84	2,044.8	30.8	24.0	-29.4	1.50	1.50	0.00
Start 2435.2 hold at 2046.7 MD									
2,100.0	8.20	37.84	2,097.6	36.8	28.6	-35.1	0.00	0.00	0.00
2,200.0	8.20	37.84	2,196.6	48.1	37.4	-45.9	0.00	0.00	0.00
2,300.0	8.20	37.84	2,295.5	59.4	46.1	-56.6	0.00	0.00	0.00
2,400.0	8.20	37.84	2,394.5	70.6	54.9	-67.3	0.00	0.00	0.00
2,500.0	8.20	37.84	2,493.5	81.9	63.6	-78.1	0.00	0.00	0.00
2,600.0	8.20	37.84	2,592.5	93.2	72.4	-88.8	0.00	0.00	0.00
2,700.0	8.20	37.84	2,691.5	104.4	81.1	-99.6	0.00	0.00	0.00
2,800.0	8.20	37.84	2,790.4	115.7	89.9	-110.3	0.00	0.00	0.00
2,900.0	8.20	37.84	2,889.4	127.0	98.6	-121.0	0.00	0.00	0.00
3,000.0	8.20	37.84	2,988.4	138.2	107.4	-131.8	0.00	0.00	0.00
3,100.0	8.20	37.84	3,087.4	149.5	116.1	-142.5	0.00	0.00	0.00
3,200.0	8.20	37.84	3,186.3	160.8	124.9	-153.3	0.00	0.00	0.00
3,300.0	8.20	37.84	3,285.3	172.0	133.6	-164.0	0.00	0.00	0.00
3,400.0	8.20	37.84	3,384.3	183.3	142.4	-174.7	0.00	0.00	0.00
3,415.3	8.20	37.84	3,399.5	185.0	143.7	-176.4	0.00	0.00	0.00
Parkman									
3,500.0	8.20	37.84	3,483.3	194.5	151.1	-185.5	0.00	0.00	0.00
3,600.0	8.20	37.84	3,582.3	205.8	159.9	-196.2	0.00	0.00	0.00
3,700.0	8.20	37.84	3,681.2	217.1	168.6	-206.9	0.00	0.00	0.00
3,800.0	8.20	37.84	3,780.2	228.3	177.4	-217.7	0.00	0.00	0.00
3,900.0	8.20	37.84	3,879.2	239.6	186.1	-228.4	0.00	0.00	0.00
4,000.0	8.20	37.84	3,978.2	250.9	194.9	-239.2	0.00	0.00	0.00
4,031.4	8.20	37.84	4,009.3	254.4	197.6	-242.5	0.00	0.00	0.00
Terry/Sussex									
4,100.0	8.20	37.84	4,077.1	262.1	203.6	-249.9	0.00	0.00	0.00
4,200.0	8.20	37.84	4,176.1	273.4	212.4	-260.6	0.00	0.00	0.00
4,300.0	8.20	37.84	4,275.1	284.7	221.1	-271.4	0.00	0.00	0.00
4,400.0	8.20	37.84	4,374.1	295.9	229.9	-282.1	0.00	0.00	0.00
4,465.8	8.20	37.84	4,439.2	303.3	235.6	-289.2	0.00	0.00	0.00

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Dutch Lake 25-01H
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Site:</b>	Dutch Lake 25-01H	<b>North Reference:</b>	True
<b>Well:</b>	Dutch Lake 25-01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Dutch Lake 25-01H		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
<b>Shannon</b>									
4,481.9	8.20	37.84	4,455.2	305.2	237.0	-290.9	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
4,500.0	7.93	37.84	4,473.1	307.2	238.6	-292.8	1.50	-1.50	0.00
4,600.0	6.43	37.84	4,572.3	317.0	246.3	-302.2	1.50	-1.50	0.00
4,700.0	4.93	37.84	4,671.8	324.8	252.3	-309.7	1.50	-1.50	0.00
4,800.0	3.43	37.84	4,771.5	330.6	256.8	-315.2	1.50	-1.50	0.00
4,900.0	1.93	37.84	4,871.4	334.3	259.7	-318.7	1.50	-1.50	0.00
5,000.0	0.43	37.84	4,971.4	335.9	260.9	-320.2	1.50	-1.50	0.00
5,028.6	0.00	0.00	5,000.0	336.0	261.0	-320.3	1.50	-1.50	0.00
<b>Start 592.0 hold at 5028.6 MD</b>									
5,100.0	0.00	0.00	5,071.4	336.0	261.0	-320.3	0.00	0.00	0.00
5,200.0	0.00	0.00	5,171.4	336.0	261.0	-320.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,271.4	336.0	261.0	-320.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,371.4	336.0	261.0	-320.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,471.4	336.0	261.0	-320.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,571.4	336.0	261.0	-320.3	0.00	0.00	0.00
5,620.6	0.00	0.00	5,592.0	336.0	261.0	-320.3	0.00	0.00	0.00
<b>Start Build 10.00</b>									
5,700.0	7.94	180.03	5,671.1	330.5	261.0	-314.8	10.00	10.00	0.00
5,800.0	17.94	180.03	5,768.5	308.2	261.0	-292.5	10.00	10.00	0.00
5,900.0	27.94	180.03	5,860.4	269.2	261.0	-253.7	10.00	10.00	0.00
6,000.0	37.94	180.03	5,944.3	214.9	260.9	-199.4	10.00	10.00	0.00
6,066.9	44.63	180.03	5,994.5	170.8	260.9	-155.4	10.00	10.00	0.00
<b>Sharon Springs</b>									
6,100.0	47.94	180.03	6,017.4	146.9	260.9	-131.5	10.00	10.00	0.00
6,142.6	52.19	180.03	6,044.7	114.3	260.9	-99.0	10.00	10.00	0.00
<b>Niobrara</b>									
6,200.0	57.94	180.03	6,077.6	67.2	260.9	-52.0	10.00	10.00	0.00
6,300.0	67.94	180.03	6,123.0	-21.7	260.8	36.8	10.00	10.00	0.00
6,335.0	71.44	180.03	6,135.2	-54.6	260.8	69.6	10.00	10.00	0.00
<b>Top "B2" Target</b>									
6,400.0	77.94	180.03	6,152.3	-117.2	260.8	132.1	10.00	10.00	0.00
6,448.8	82.82	180.03	6,160.5	-165.3	260.7	180.1	10.00	10.00	0.00
<b>Base "B2" Target</b>									
6,500.0	87.94	180.03	6,164.6	-216.3	260.7	231.1	10.00	10.00	0.00
6,519.3	89.86	180.03	6,165.0	-235.6	260.7	250.3	10.00	10.00	0.00
<b>7" Csg</b>									
6,600.0	89.86	180.03	6,165.2	-316.3	260.7	330.9	0.00	0.00	0.00
6,700.0	89.86	180.03	6,165.4	-416.3	260.6	430.7	0.00	0.00	0.00
6,800.0	89.86	180.03	6,165.6	-516.3	260.6	530.6	0.00	0.00	0.00
6,900.0	89.86	180.03	6,165.9	-616.3	260.5	630.4	0.00	0.00	0.00
7,000.0	89.86	180.03	6,166.1	-716.3	260.4	730.2	0.00	0.00	0.00
7,100.0	89.86	180.03	6,166.3	-816.3	260.4	830.0	0.00	0.00	0.00
7,200.0	89.86	180.03	6,166.6	-916.3	260.3	929.9	0.00	0.00	0.00
7,300.0	89.86	180.03	6,166.8	-1,016.3	260.3	1,029.7	0.00	0.00	0.00
7,400.0	89.86	180.03	6,167.1	-1,116.3	260.2	1,129.5	0.00	0.00	0.00
7,500.0	89.86	180.03	6,167.3	-1,216.3	260.2	1,229.4	0.00	0.00	0.00
7,600.0	89.86	180.03	6,167.5	-1,316.3	260.1	1,329.2	0.00	0.00	0.00
7,700.0	89.86	180.03	6,167.8	-1,416.3	260.1	1,429.0	0.00	0.00	0.00
7,800.0	89.86	180.03	6,168.0	-1,516.3	260.0	1,528.8	0.00	0.00	0.00
7,900.0	89.86	180.03	6,168.3	-1,616.3	260.0	1,628.7	0.00	0.00	0.00
8,000.0	89.86	180.03	6,168.5	-1,716.3	259.9	1,728.5	0.00	0.00	0.00

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Dutch Lake 25-01H
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Site:</b>	Dutch Lake 25-01H	<b>North Reference:</b>	True
<b>Well:</b>	Dutch Lake 25-01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Dutch Lake 25-01H		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,100.0	89.86	180.03	6,168.7	-1,816.3	259.9	1,828.3	0.00	0.00	0.00	
8,200.0	89.86	180.03	6,169.0	-1,916.3	259.8	1,928.2	0.00	0.00	0.00	
8,300.0	89.86	180.03	6,169.2	-2,016.3	259.8	2,028.0	0.00	0.00	0.00	
8,400.0	89.86	180.03	6,169.5	-2,116.3	259.7	2,127.8	0.00	0.00	0.00	
8,500.0	89.86	180.03	6,169.7	-2,216.3	259.7	2,227.6	0.00	0.00	0.00	
8,600.0	89.86	180.03	6,169.9	-2,316.3	259.6	2,327.5	0.00	0.00	0.00	
8,700.0	89.86	180.03	6,170.2	-2,416.3	259.6	2,427.3	0.00	0.00	0.00	
8,800.0	89.86	180.03	6,170.4	-2,516.3	259.5	2,527.1	0.00	0.00	0.00	
8,900.0	89.86	180.03	6,170.6	-2,616.3	259.5	2,627.0	0.00	0.00	0.00	
9,000.0	89.86	180.03	6,170.9	-2,716.3	259.4	2,726.8	0.00	0.00	0.00	
9,100.0	89.86	180.03	6,171.1	-2,816.3	259.3	2,826.6	0.00	0.00	0.00	
9,200.0	89.86	180.03	6,171.4	-2,916.3	259.3	2,926.4	0.00	0.00	0.00	
9,300.0	89.86	180.03	6,171.6	-3,016.3	259.2	3,026.3	0.00	0.00	0.00	
9,400.0	89.86	180.03	6,171.8	-3,116.3	259.2	3,126.1	0.00	0.00	0.00	
9,500.0	89.86	180.03	6,172.1	-3,216.3	259.1	3,225.9	0.00	0.00	0.00	
9,600.0	89.86	180.03	6,172.3	-3,316.3	259.1	3,325.8	0.00	0.00	0.00	
9,700.0	89.86	180.03	6,172.6	-3,416.3	259.0	3,425.6	0.00	0.00	0.00	
9,800.0	89.86	180.03	6,172.8	-3,516.3	259.0	3,525.4	0.00	0.00	0.00	
9,900.0	89.86	180.03	6,173.0	-3,616.3	258.9	3,625.2	0.00	0.00	0.00	
10,000.0	89.86	180.03	6,173.3	-3,716.3	258.9	3,725.1	0.00	0.00	0.00	
10,100.0	89.86	180.03	6,173.5	-3,816.3	258.8	3,824.9	0.00	0.00	0.00	
10,200.0	89.86	180.03	6,173.8	-3,916.3	258.8	3,924.7	0.00	0.00	0.00	
10,300.0	89.86	180.03	6,174.0	-4,016.3	258.7	4,024.6	0.00	0.00	0.00	
10,400.0	89.86	180.03	6,174.2	-4,116.3	258.7	4,124.4	0.00	0.00	0.00	
10,500.0	89.86	180.03	6,174.5	-4,216.3	258.6	4,224.2	0.00	0.00	0.00	
10,600.0	89.86	180.03	6,174.7	-4,316.3	258.6	4,324.0	0.00	0.00	0.00	
10,700.0	89.86	180.03	6,175.0	-4,416.3	258.5	4,423.9	0.00	0.00	0.00	
10,737.5	89.86	180.03	6,175.0	-4,453.8	258.5	4,461.3	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
6,519.3	6,165.0	7"	7	7	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	0.0	Fox Hills		0.16	180.03
400.0	400.0	Pierre (Fox Hills Base)		0.16	180.03
3,415.3	3,400.0	Parkman		0.16	180.03
4,031.4	4,010.0	Terry/Sussex		0.16	180.03
4,465.8	4,440.0	Shannon		0.16	180.03
6,066.9	5,995.0	Sharon Springs		0.16	180.03
6,142.6	6,045.0	Niobrara		0.16	180.03
6,335.0	6,135.0	Top "B2" Target		0.16	180.03
6,448.8	6,160.0	Base "B2" Target		0.16	180.03

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Dutch Lake 25-01H
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB @ 4772.5ft (Original Well Elev)
<b>Site:</b>	Dutch Lake 25-01H	<b>North Reference:</b>	True
<b>Well:</b>	Dutch Lake 25-01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Dutch Lake 25-01H		
<b>Design:</b>	Design #1		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
1,500.0	1,500.0	0.0	0.0	Start Build 1.50	
2,046.7	2,044.8	30.8	24.0	Start 2435.2 hold at 2046.7 MD	
4,481.9	4,455.2	305.2	237.0	Start Drop -1.50	
5,028.6	5,000.0	336.0	261.0	Start 592.0 hold at 5028.6 MD	
5,620.6	5,592.0	336.0	261.0	Start Build 10.00	
6,519.3	6,165.0	-235.6	260.7	7" Csg	
10,737.5	6,175.0	-4,453.8	258.5	TD at 10737.5	