



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

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Ruh 6-62-11-0560A2, True North
 Vertical (TVD) Reference: KB @ 4763.0ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: KB @ 4763.0ft (Original Well Elev)
 Calculation Method: Minimum Curvature

WELL DETAILS: Ruh 6-62-11-0560A2

+N/-S +E/-W Northing Easting Latitude Longitude
 0.0 0.0 1430278.82 3337438.60 40° 30' 29.441 N 104° 17' 11.191 W

WELLBORE TARGET DETAILS

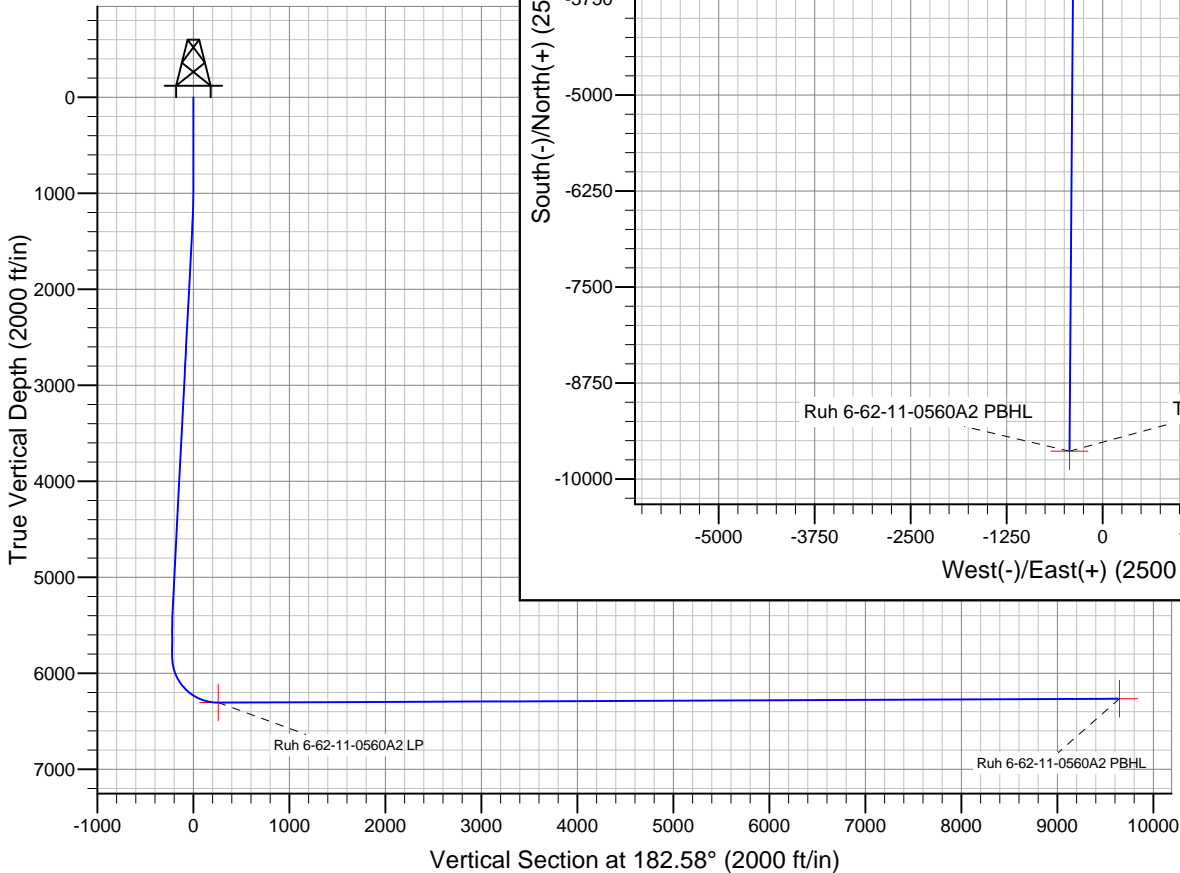
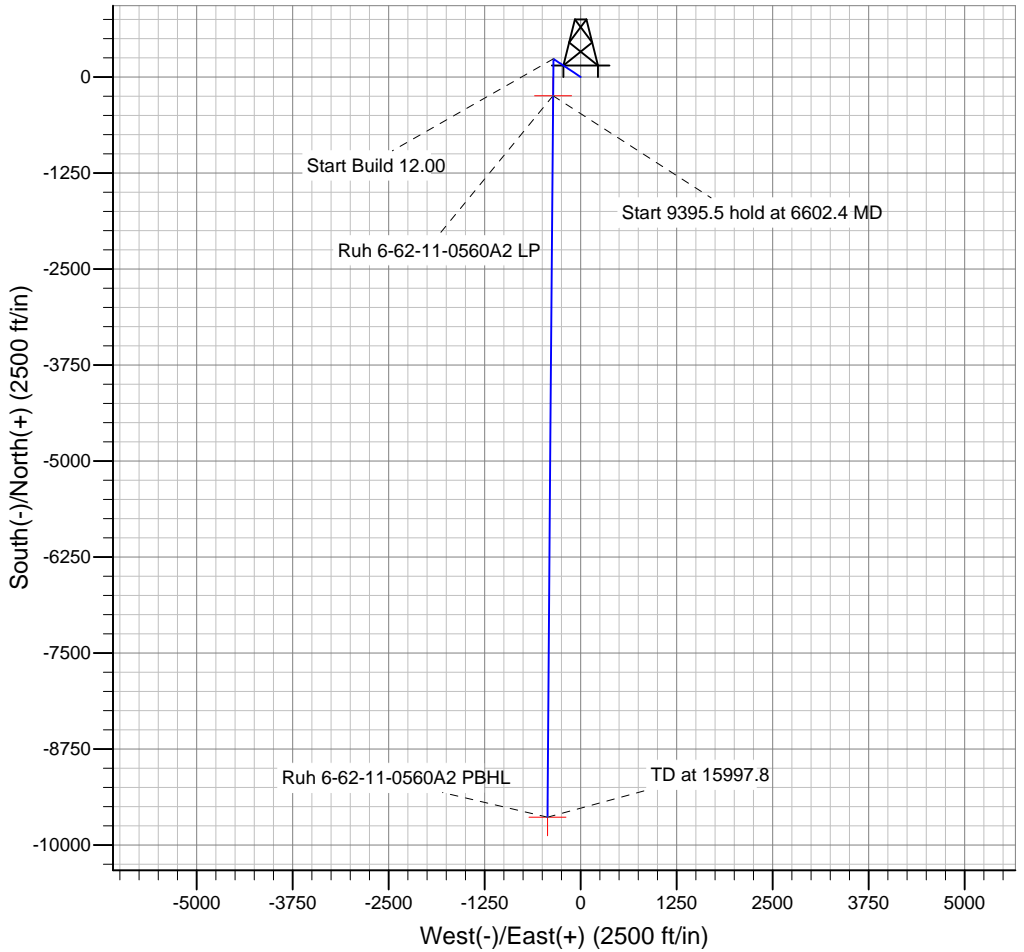
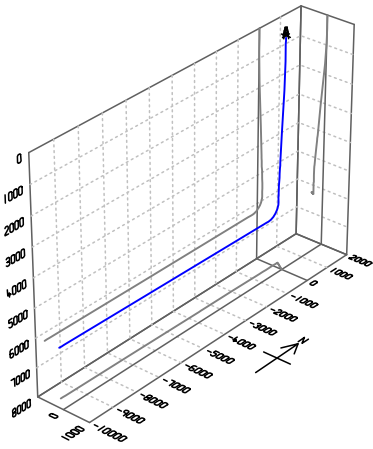
Name	TVD	+N/-S	+E/-W	Shape
Ruh 6-62-11-0560A2 PBHL	6267.0	-9638.1	-434.2	Point
Ruh 6-62-11-0560A2 LP	6307.0	-243.0	-360.7	Point

PROJECT DETAILS: WELD COUNTY, COLORADO

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone

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	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1284.7	5.69	303.53	1284.2	7.8	-11.8	2.00	303.53	-7.3	
4	5315.7	5.69	303.53	5295.3	228.7	-345.1	0.00	0.00	-212.9	
5	5600.4	0.00	180.45	5579.5	236.5	-356.9	2.00	180.00	-220.2	
6	5850.4	0.00	180.45	5829.5	236.5	-356.9	0.00	180.45	-220.2	
7	6602.4	90.24	180.45	6307.0	-243.0	-360.7	12.00	180.45	259.0	Ruh 6-62-11-0560A2 LP
8	15997.8	90.24	180.45	6267.0	-9638.1	-434.2	0.00	0.00	9647.8	Ruh 6-62-11-0560A2 PBHL



Azimuths to True North
 Magnetic North: 8.13°

Magnetic Field
 Strength: 52863.7snT
 Dip Angle: 67.09°
 Date: 12/31/2014
 Model: IGRF2010

Bill Barrett Corp
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Ruh 6-62-11-0560A2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4763.0ft (Original Well Elev)
Project:	WELD COUNTY, COLORADO	MD Reference:	KB @ 4763.0ft (Original Well Elev)
Site:	Ruh 6-62-11_14 NWNE Pad	North Reference:	True
Well:	Ruh 6-62-11-0560A2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	Ruh 6-62-11_14 NWNE Pad				
Site Position:		Northing:	1,430,278.63ft	Latitude:	40° 30' 29.441 N
From:	Lat/Long	Easting:	3,337,424.14ft	Longitude:	104° 17' 11.378 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.78 °

Well	Ruh 6-62-11-0560A2					
Well Position	+N-S	0.0 ft	Northing:	1,430,278.82 ft	Latitude:	40° 30' 29.441 N
	+E-W	14.5 ft	Easting:	3,337,438.60 ft	Longitude:	104° 17' 11.191 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,747.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	8.13	67.09	52,864

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.0	0.0	0.0	182.58

Plan Sections										
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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,284.7	5.69	303.53	1,284.2	7.8	-11.8	2.00	2.00	0.00	303.53	
5,315.7	5.69	303.53	5,295.3	228.7	-345.1	0.00	0.00	0.00	0.00	
5,600.4	0.00	180.45	5,579.5	236.5	-356.9	2.00	-2.00	0.00	180.00	
5,850.4	0.00	180.45	5,829.5	236.5	-356.9	0.00	0.00	0.00	180.45	
6,602.4	90.24	180.45	6,307.0	-243.0	-360.7	12.00	12.00	0.00	180.45	Ruh 6-62-11-0560A
15,997.8	90.24	180.45	6,267.0	-9,638.1	-434.2	0.00	0.00	0.00	0.00	Ruh 6-62-11-0560A

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Ruh 6-62-11-0560A2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4763.0ft (Original Well Elev)
Project:	WELD COUNTY, COLORADO	MD Reference:	KB @ 4763.0ft (Original Well Elev)
Site:	Ruh 6-62-11_14 NWNE Pad	North Reference:	True
Well:	Ruh 6-62-11-0560A2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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
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	2.00	303.53	1,100.0	1.0	-1.5	-0.9	2.00	2.00	0.00
1,200.0	4.00	303.53	1,199.8	3.9	-5.8	-3.6	2.00	2.00	0.00
1,284.7	5.69	303.53	1,284.2	7.8	-11.8	-7.3	2.00	2.00	0.00
1,300.0	5.69	303.53	1,299.5	8.6	-13.0	-8.1	0.00	0.00	0.00
1,400.0	5.69	303.53	1,399.0	14.1	-21.3	-13.2	0.00	0.00	0.00
1,500.0	5.69	303.53	1,498.5	19.6	-29.6	-18.3	0.00	0.00	0.00
1,600.0	5.69	303.53	1,598.0	25.1	-37.9	-23.4	0.00	0.00	0.00
1,700.0	5.69	303.53	1,697.5	30.6	-46.1	-28.5	0.00	0.00	0.00
1,800.0	5.69	303.53	1,797.0	36.0	-54.4	-33.6	0.00	0.00	0.00
1,900.0	5.69	303.53	1,896.5	41.5	-62.7	-38.7	0.00	0.00	0.00
2,000.0	5.69	303.53	1,996.0	47.0	-70.9	-43.8	0.00	0.00	0.00
2,100.0	5.69	303.53	2,095.5	52.5	-79.2	-48.9	0.00	0.00	0.00
2,200.0	5.69	303.53	2,195.0	58.0	-87.5	-54.0	0.00	0.00	0.00
2,300.0	5.69	303.53	2,294.5	63.4	-95.7	-59.1	0.00	0.00	0.00
2,400.0	5.69	303.53	2,394.0	68.9	-104.0	-64.2	0.00	0.00	0.00
2,500.0	5.69	303.53	2,493.5	74.4	-112.3	-69.3	0.00	0.00	0.00
2,600.0	5.69	303.53	2,593.0	79.9	-120.5	-74.4	0.00	0.00	0.00
2,700.0	5.69	303.53	2,692.6	85.4	-128.8	-79.5	0.00	0.00	0.00
2,800.0	5.69	303.53	2,792.1	90.8	-137.1	-84.6	0.00	0.00	0.00
2,900.0	5.69	303.53	2,891.6	96.3	-145.4	-89.7	0.00	0.00	0.00
3,000.0	5.69	303.53	2,991.1	101.8	-153.6	-94.8	0.00	0.00	0.00
3,100.0	5.69	303.53	3,090.6	107.3	-161.9	-99.9	0.00	0.00	0.00
3,200.0	5.69	303.53	3,190.1	112.8	-170.2	-105.0	0.00	0.00	0.00
3,300.0	5.69	303.53	3,289.6	118.2	-178.4	-110.1	0.00	0.00	0.00
3,400.0	5.69	303.53	3,389.1	123.7	-186.7	-115.2	0.00	0.00	0.00
3,500.0	5.69	303.53	3,488.6	129.2	-195.0	-120.3	0.00	0.00	0.00
3,600.0	5.69	303.53	3,588.1	134.7	-203.2	-125.4	0.00	0.00	0.00
3,700.0	5.69	303.53	3,687.6	140.2	-211.5	-130.5	0.00	0.00	0.00
3,800.0	5.69	303.53	3,787.1	145.6	-219.8	-135.6	0.00	0.00	0.00
3,900.0	5.69	303.53	3,886.6	151.1	-228.1	-140.7	0.00	0.00	0.00
4,000.0	5.69	303.53	3,986.1	156.6	-236.3	-145.8	0.00	0.00	0.00
4,100.0	5.69	303.53	4,085.6	162.1	-244.6	-150.9	0.00	0.00	0.00
4,200.0	5.69	303.53	4,185.2	167.6	-252.9	-156.0	0.00	0.00	0.00
4,300.0	5.69	303.53	4,284.7	173.0	-261.1	-161.1	0.00	0.00	0.00
4,400.0	5.69	303.53	4,384.2	178.5	-269.4	-166.2	0.00	0.00	0.00
4,500.0	5.69	303.53	4,483.7	184.0	-277.7	-171.3	0.00	0.00	0.00
4,600.0	5.69	303.53	4,583.2	189.5	-285.9	-176.4	0.00	0.00	0.00
4,700.0	5.69	303.53	4,682.7	195.0	-294.2	-181.5	0.00	0.00	0.00
4,800.0	5.69	303.53	4,782.2	200.4	-302.5	-186.6	0.00	0.00	0.00
4,900.0	5.69	303.53	4,881.7	205.9	-310.7	-191.7	0.00	0.00	0.00
5,000.0	5.69	303.53	4,981.2	211.4	-319.0	-196.8	0.00	0.00	0.00
5,100.0	5.69	303.53	5,080.7	216.9	-327.3	-201.9	0.00	0.00	0.00
5,200.0	5.69	303.53	5,180.2	222.4	-335.6	-207.0	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Ruh 6-62-11-0560A2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4763.0ft (Original Well Elev)
Project:	WELD COUNTY, COLORADO	MD Reference:	KB @ 4763.0ft (Original Well Elev)
Site:	Ruh 6-62-11_14 NWNE Pad	North Reference:	True
Well:	Ruh 6-62-11-0560A2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
5,300.0	5.69	303.53	5,279.7	227.8	-343.8	-212.1	0.00	0.00	0.00
5,315.7	5.69	303.53	5,295.3	228.7	-345.1	-212.9	0.00	0.00	0.00
5,400.0	4.01	303.53	5,379.3	232.6	-351.1	-216.6	2.00	-2.00	0.00
5,500.0	2.01	303.53	5,479.2	235.5	-355.4	-219.3	2.00	-2.00	0.00
5,600.0	0.01	303.53	5,579.2	236.5	-356.9	-220.2	2.00	-2.00	0.00
5,600.4	0.00	180.45	5,579.5	236.5	-356.9	-220.2	2.00	-2.00	0.00
5,700.0	0.00	180.45	5,679.2	236.5	-356.9	-220.2	0.00	0.00	0.00
5,800.0	0.00	180.45	5,779.2	236.5	-356.9	-220.2	0.00	0.00	0.00
5,850.4	0.00	180.45	5,829.5	236.5	-356.9	-220.2	0.00	0.00	0.00
5,900.0	5.96	180.45	5,879.1	233.9	-356.9	-217.6	12.00	12.00	0.00
6,000.0	17.96	180.45	5,976.7	213.2	-357.1	-197.0	12.00	12.00	0.00
6,100.0	29.96	180.45	6,068.0	172.7	-357.4	-156.5	12.00	12.00	0.00
6,200.0	41.96	180.45	6,148.8	114.1	-357.9	-97.9	12.00	12.00	0.00
6,300.0	53.96	180.45	6,215.6	40.0	-358.4	-23.8	12.00	12.00	0.00
6,400.0	65.96	180.45	6,265.6	-46.4	-359.1	62.5	12.00	12.00	0.00
6,500.0	77.96	180.45	6,296.5	-141.3	-359.9	157.4	12.00	12.00	0.00
6,600.0	89.96	180.45	6,307.0	-240.6	-360.6	256.6	12.00	12.00	0.00
6,602.4	90.24	180.45	6,307.0	-243.0	-360.7	259.0	12.00	12.00	0.00
Ruh 6-62-11-0560A2 LP									
6,700.0	90.24	180.45	6,306.6	-340.6	-361.4	356.5	0.00	0.00	0.00
6,800.0	90.24	180.45	6,306.2	-440.6	-362.2	456.4	0.00	0.00	0.00
6,900.0	90.24	180.45	6,305.7	-540.6	-363.0	556.4	0.00	0.00	0.00
7,000.0	90.24	180.45	6,305.3	-640.6	-363.8	656.3	0.00	0.00	0.00
7,100.0	90.24	180.45	6,304.9	-740.6	-364.6	756.2	0.00	0.00	0.00
7,200.0	90.24	180.45	6,304.5	-840.6	-365.3	856.2	0.00	0.00	0.00
7,300.0	90.24	180.45	6,304.0	-940.6	-366.1	956.1	0.00	0.00	0.00
7,400.0	90.24	180.45	6,303.6	-1,040.6	-366.9	1,056.0	0.00	0.00	0.00
7,500.0	90.24	180.45	6,303.2	-1,140.6	-367.7	1,155.9	0.00	0.00	0.00
7,600.0	90.24	180.45	6,302.8	-1,240.5	-368.5	1,255.9	0.00	0.00	0.00
7,700.0	90.24	180.45	6,302.3	-1,340.5	-369.3	1,355.8	0.00	0.00	0.00
7,800.0	90.24	180.45	6,301.9	-1,440.5	-370.0	1,455.7	0.00	0.00	0.00
7,900.0	90.24	180.45	6,301.5	-1,540.5	-370.8	1,555.7	0.00	0.00	0.00
8,000.0	90.24	180.45	6,301.0	-1,640.5	-371.6	1,655.6	0.00	0.00	0.00
8,100.0	90.24	180.45	6,300.6	-1,740.5	-372.4	1,755.5	0.00	0.00	0.00
8,200.0	90.24	180.45	6,300.2	-1,840.5	-373.2	1,855.5	0.00	0.00	0.00
8,300.0	90.24	180.45	6,299.8	-1,940.5	-373.9	1,955.4	0.00	0.00	0.00
8,400.0	90.24	180.45	6,299.3	-2,040.5	-374.7	2,055.3	0.00	0.00	0.00
8,500.0	90.24	180.45	6,298.9	-2,140.5	-375.5	2,155.2	0.00	0.00	0.00
8,600.0	90.24	180.45	6,298.5	-2,240.5	-376.3	2,255.2	0.00	0.00	0.00
8,700.0	90.24	180.45	6,298.1	-2,340.5	-377.1	2,355.1	0.00	0.00	0.00
8,800.0	90.24	180.45	6,297.6	-2,440.5	-377.9	2,455.0	0.00	0.00	0.00
8,900.0	90.24	180.45	6,297.2	-2,540.5	-378.6	2,555.0	0.00	0.00	0.00
9,000.0	90.24	180.45	6,296.8	-2,640.5	-379.4	2,654.9	0.00	0.00	0.00
9,100.0	90.24	180.45	6,296.4	-2,740.5	-380.2	2,754.8	0.00	0.00	0.00
9,200.0	90.24	180.45	6,295.9	-2,840.5	-381.0	2,854.8	0.00	0.00	0.00
9,300.0	90.24	180.45	6,295.5	-2,940.5	-381.8	2,954.7	0.00	0.00	0.00
9,400.0	90.24	180.45	6,295.1	-3,040.5	-382.6	3,054.6	0.00	0.00	0.00
9,500.0	90.24	180.45	6,294.7	-3,140.5	-383.3	3,154.5	0.00	0.00	0.00
9,600.0	90.24	180.45	6,294.2	-3,240.5	-384.1	3,254.5	0.00	0.00	0.00
9,700.0	90.24	180.45	6,293.8	-3,340.5	-384.9	3,354.4	0.00	0.00	0.00
9,800.0	90.24	180.45	6,293.4	-3,440.5	-385.7	3,454.3	0.00	0.00	0.00
9,900.0	90.24	180.45	6,293.0	-3,540.5	-386.5	3,554.3	0.00	0.00	0.00
10,000.0	90.24	180.45	6,292.5	-3,640.5	-387.3	3,654.2	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Ruh 6-62-11-0560A2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4763.0ft (Original Well Elev)
Project:	WELD COUNTY, COLORADO	MD Reference:	KB @ 4763.0ft (Original Well Elev)
Site:	Ruh 6-62-11_14 NWNE Pad	North Reference:	True
Well:	Ruh 6-62-11-0560A2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
10,100.0	90.24	180.45	6,292.1	-3,740.4	-388.0	3,754.1	0.00	0.00	0.00
10,200.0	90.24	180.45	6,291.7	-3,840.4	-388.8	3,854.1	0.00	0.00	0.00
10,300.0	90.24	180.45	6,291.3	-3,940.4	-389.6	3,954.0	0.00	0.00	0.00
10,400.0	90.24	180.45	6,290.8	-4,040.4	-390.4	4,053.9	0.00	0.00	0.00
10,500.0	90.24	180.45	6,290.4	-4,140.4	-391.2	4,153.8	0.00	0.00	0.00
10,600.0	90.24	180.45	6,290.0	-4,240.4	-392.0	4,253.8	0.00	0.00	0.00
10,700.0	90.24	180.45	6,289.6	-4,340.4	-392.7	4,353.7	0.00	0.00	0.00
10,800.0	90.24	180.45	6,289.1	-4,440.4	-393.5	4,453.6	0.00	0.00	0.00
10,900.0	90.24	180.45	6,288.7	-4,540.4	-394.3	4,553.6	0.00	0.00	0.00
11,000.0	90.24	180.45	6,288.3	-4,640.4	-395.1	4,653.5	0.00	0.00	0.00
11,100.0	90.24	180.45	6,287.9	-4,740.4	-395.9	4,753.4	0.00	0.00	0.00
11,200.0	90.24	180.45	6,287.4	-4,840.4	-396.7	4,853.4	0.00	0.00	0.00
11,300.0	90.24	180.45	6,287.0	-4,940.4	-397.4	4,953.3	0.00	0.00	0.00
11,400.0	90.24	180.45	6,286.6	-5,040.4	-398.2	5,053.2	0.00	0.00	0.00
11,500.0	90.24	180.45	6,286.1	-5,140.4	-399.0	5,153.1	0.00	0.00	0.00
11,600.0	90.24	180.45	6,285.7	-5,240.4	-399.8	5,253.1	0.00	0.00	0.00
11,700.0	90.24	180.45	6,285.3	-5,340.4	-400.6	5,353.0	0.00	0.00	0.00
11,800.0	90.24	180.45	6,284.9	-5,440.4	-401.4	5,452.9	0.00	0.00	0.00
11,900.0	90.24	180.45	6,284.4	-5,540.4	-402.1	5,552.9	0.00	0.00	0.00
12,000.0	90.24	180.45	6,284.0	-5,640.4	-402.9	5,652.8	0.00	0.00	0.00
12,100.0	90.24	180.45	6,283.6	-5,740.4	-403.7	5,752.7	0.00	0.00	0.00
12,200.0	90.24	180.45	6,283.2	-5,840.4	-404.5	5,852.7	0.00	0.00	0.00
12,300.0	90.24	180.45	6,282.7	-5,940.4	-405.3	5,952.6	0.00	0.00	0.00
12,400.0	90.24	180.45	6,282.3	-6,040.4	-406.1	6,052.5	0.00	0.00	0.00
12,500.0	90.24	180.45	6,281.9	-6,140.4	-406.8	6,152.4	0.00	0.00	0.00
12,600.0	90.24	180.45	6,281.5	-6,240.4	-407.6	6,252.4	0.00	0.00	0.00
12,700.0	90.24	180.45	6,281.0	-6,340.3	-408.4	6,352.3	0.00	0.00	0.00
12,800.0	90.24	180.45	6,280.6	-6,440.3	-409.2	6,452.2	0.00	0.00	0.00
12,900.0	90.24	180.45	6,280.2	-6,540.3	-410.0	6,552.2	0.00	0.00	0.00
13,000.0	90.24	180.45	6,279.8	-6,640.3	-410.8	6,652.1	0.00	0.00	0.00
13,100.0	90.24	180.45	6,279.3	-6,740.3	-411.5	6,752.0	0.00	0.00	0.00
13,200.0	90.24	180.45	6,278.9	-6,840.3	-412.3	6,852.0	0.00	0.00	0.00
13,300.0	90.24	180.45	6,278.5	-6,940.3	-413.1	6,951.9	0.00	0.00	0.00
13,400.0	90.24	180.45	6,278.1	-7,040.3	-413.9	7,051.8	0.00	0.00	0.00
13,500.0	90.24	180.45	6,277.6	-7,140.3	-414.7	7,151.7	0.00	0.00	0.00
13,600.0	90.24	180.45	6,277.2	-7,240.3	-415.5	7,251.7	0.00	0.00	0.00
13,700.0	90.24	180.45	6,276.8	-7,340.3	-416.2	7,351.6	0.00	0.00	0.00
13,800.0	90.24	180.45	6,276.4	-7,440.3	-417.0	7,451.5	0.00	0.00	0.00
13,900.0	90.24	180.45	6,275.9	-7,540.3	-417.8	7,551.5	0.00	0.00	0.00
14,000.0	90.24	180.45	6,275.5	-7,640.3	-418.6	7,651.4	0.00	0.00	0.00
14,100.0	90.24	180.45	6,275.1	-7,740.3	-419.4	7,751.3	0.00	0.00	0.00
14,200.0	90.24	180.45	6,274.7	-7,840.3	-420.2	7,851.3	0.00	0.00	0.00
14,300.0	90.24	180.45	6,274.2	-7,940.3	-420.9	7,951.2	0.00	0.00	0.00
14,400.0	90.24	180.45	6,273.8	-8,040.3	-421.7	8,051.1	0.00	0.00	0.00
14,500.0	90.24	180.45	6,273.4	-8,140.3	-422.5	8,151.0	0.00	0.00	0.00
14,600.0	90.24	180.45	6,273.0	-8,240.3	-423.3	8,251.0	0.00	0.00	0.00
14,700.0	90.24	180.45	6,272.5	-8,340.3	-424.1	8,350.9	0.00	0.00	0.00
14,800.0	90.24	180.45	6,272.1	-8,440.3	-424.9	8,450.8	0.00	0.00	0.00
14,900.0	90.24	180.45	6,271.7	-8,540.3	-425.6	8,550.8	0.00	0.00	0.00
15,000.0	90.24	180.45	6,271.2	-8,640.3	-426.4	8,650.7	0.00	0.00	0.00
15,100.0	90.24	180.45	6,270.8	-8,740.3	-427.2	8,750.6	0.00	0.00	0.00
15,200.0	90.24	180.45	6,270.4	-8,840.2	-428.0	8,850.6	0.00	0.00	0.00
15,300.0	90.24	180.45	6,270.0	-8,940.2	-428.8	8,950.5	0.00	0.00	0.00
15,400.0	90.24	180.45	6,269.5	-9,040.2	-429.5	9,050.4	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Ruh 6-62-11-0560A2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4763.0ft (Original Well Elev)
Project:	WELD COUNTY, COLORADO	MD Reference:	KB @ 4763.0ft (Original Well Elev)
Site:	Ruh 6-62-11_14 NWNE Pad	North Reference:	True
Well:	Ruh 6-62-11-0560A2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
15,500.0	90.24	180.45	6,269.1	-9,140.2	-430.3	9,150.3	0.00	0.00	0.00
15,600.0	90.24	180.45	6,268.7	-9,240.2	-431.1	9,250.3	0.00	0.00	0.00
15,700.0	90.24	180.45	6,268.3	-9,340.2	-431.9	9,350.2	0.00	0.00	0.00
15,800.0	90.24	180.45	6,267.8	-9,440.2	-432.7	9,450.1	0.00	0.00	0.00
15,900.0	90.24	180.45	6,267.4	-9,540.2	-433.5	9,550.1	0.00	0.00	0.00
15,997.8	90.24	180.45	6,267.0	-9,638.1	-434.2	9,647.8	0.00	0.00	0.00
Ruh 6-62-11-0560A2 PBHL									