

Well Planning Proposal FOR

**Bill Barrett Corp.
Siebring 5-63-32-32H
Weld Co., CO**

Well File: Design #1 (1/31/12)

Presented By:

Pat Rasmussen
Regional Manager

Bret Wolford
Well Planner



Sharewell
Energy Services, LP



Bill Barrett Corp.
Project: Weld Co., CO
Site: Sec.32-T5N-R63W
Well: Siebring 5-63-32-32H
Wellbore: Wellbore #1
Design: Design #1
Lat: 40° 21' 27.936 N
Long: 104° 27' 4.536 W
Pad GL: 4569.00
KB: WELL @ 4587.00usft



PROJECT DETAILS: Weld Co., CO

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



Azimuths to True North
Magnetic North: 8.61°
Magnetic Field
Strength: 53078.3snT
Dip Angle: 67.05°
Date: 2012/01/31
Model: IGRF2010

WELL DETAILS: Siebring 5-63-32-32H

	Ground Level:	4569.00
+N/-S	Latitude	40° 21' 27.936 N
+E/-W	Longitude	104° 27' 4.536 W
0.00	0.00	1374900.824
	Easting	3292260.127

WELLBORE TARGET DETAILS (LAT/LONG)

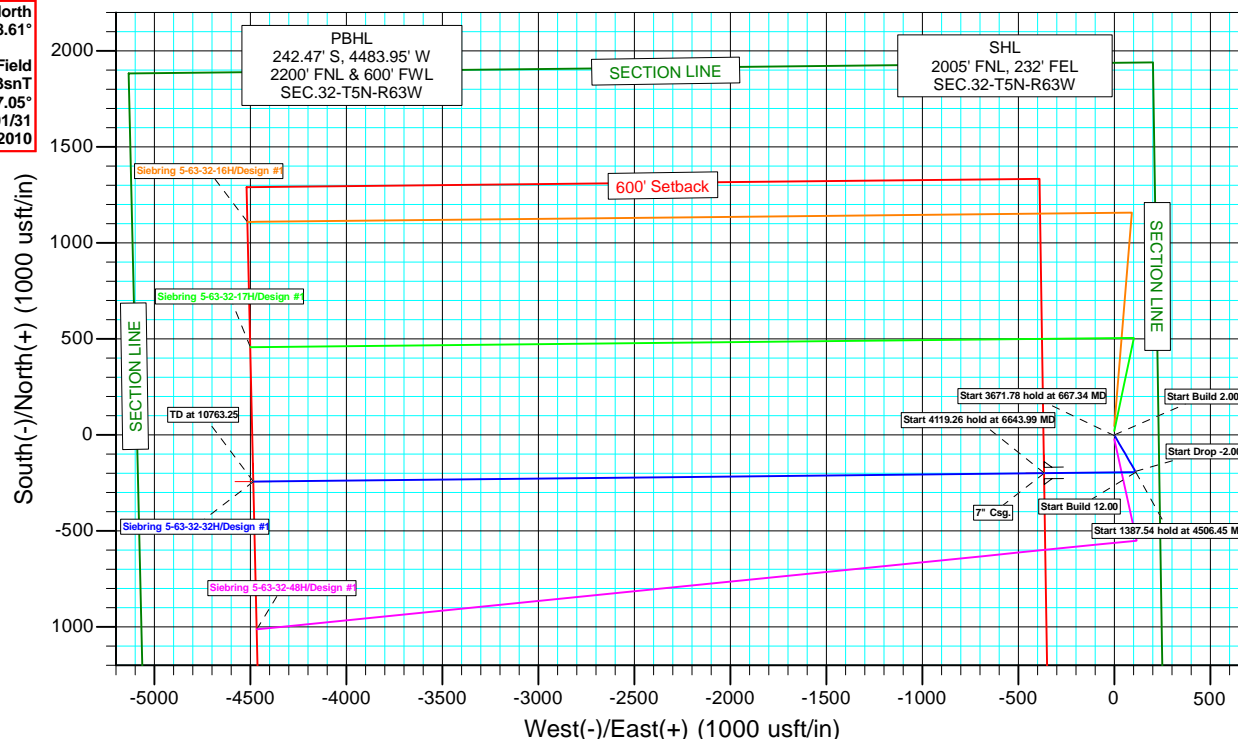
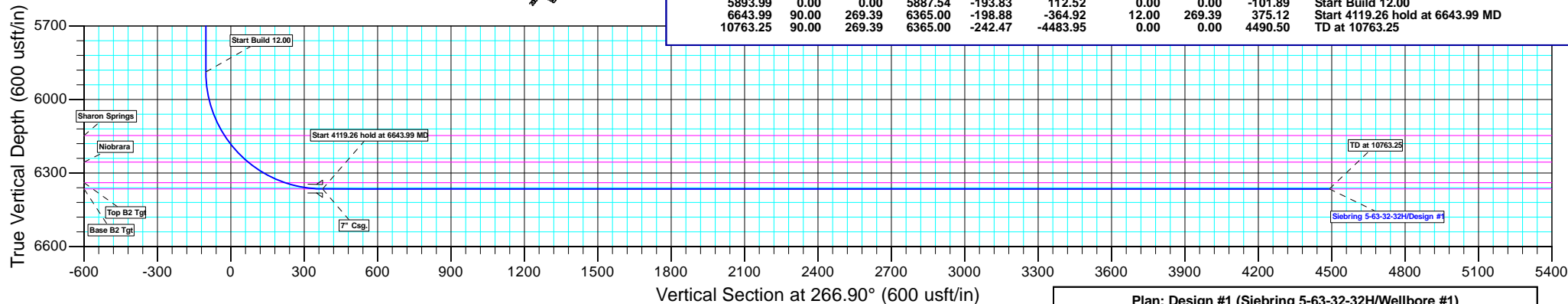
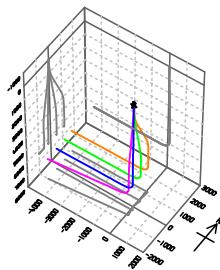
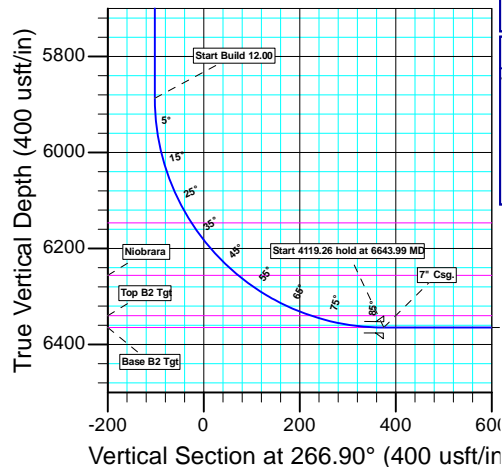
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
32H LP	6365.00	-198.88	-364.91	40° 21' 25.970 N	104° 27' 9.250 W	Point
32H PBHL	6365.00	-242.47	-4483.95	40° 21' 25.536 N	104° 28' 2.458 W	Point

CASING DETAILS

TVD	MD	Name	Size
6365.00	6643.99	7" Csg.	7

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
237.00	237.00	Pierre
3987.00	3992.77	Terry/Sussex
4637.00	4643.45	Shannon
6147.00	6168.29	Sharon Springs
6256.00	6314.88	Niobrara
6340.00	6488.79	Top B2 Tgt
6365.00	6641.85	Base B2 Tgt



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	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	Start Build 2.00
667.34	3.35	149.86	667.24	-4.23	2.45	2.00	149.86	-2.22	Start 3671.78 hold at 667.34 MD
4339.12	3.35	149.86	4332.76	-189.60	110.07	0.00	0.00	-99.67	Start Drop -2.00
4506.45	0.00	0.00	4500.00	-193.83	112.52	2.00	180.00	-101.89	Start 1387.54 hold at 4506.45 MD
5893.99	0.00	0.00	5887.54	-193.83	112.52	0.00	0.00	-101.89	Start Build 12.00
6643.99	90.00	269.39	6365.00	-198.88	-364.92	12.00	269.39	375.12	Start 4119.26 hold at 6643.99 MD
10763.25	90.00	269.39	6365.00	-242.47	-4483.95	0.00	0.00	4490.50	TD at 10763.25

Plan: Design #1 (Siebring 5-63-32-32H/Wellbore #1)

Created By: Bret Wolford

Date: 15:29, January 31 2012





Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.32-T5N-R63W

Siebring 5-63-32-32H

Wellbore #1

Plan: Design #1

Standard Planning Report

31 January, 2012



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Siebring 5-63-32-32H
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4587.00usft
Project:	Weld Co., CO	MD Reference:	WELL @ 4587.00usft
Site:	Sec.32-T5N-R63W	North Reference:	True
Well:	Siebring 5-63-32-32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Weld Co., CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Sec.32-T5N-R63W			
Site Position:		Northing:	1,374,948.188 usft	Latitude:	40° 21' 28.404 N
From:	Lat/Long	Easting:	3,292,259.567 usft	Longitude:	104° 27' 4.536 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.68 °

Well	Siebring 5-63-32-32H					
Well Position	+N/-S	-47.37 usft	Northing:	1,374,900.824 usft	Latitude:	40° 21' 27.936 N
	+E/-W	0.00 usft	Easting:	3,292,260.127 usft	Longitude:	104° 27' 4.536 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,569.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/31/12	8.61	67.05	53,078

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	266.90

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
0.00	0.00	0.00	0.00	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	
667.34	3.35	149.86	667.24	-4.23	2.45	2.00	2.00	0.00	149.86	
4,339.12	3.35	149.86	4,332.76	-189.60	110.07	0.00	0.00	0.00	0.00	
4,506.45	0.00	0.00	4,500.00	-193.83	112.52	2.00	-2.00	0.00	180.00	
5,893.99	0.00	0.00	5,887.54	-193.83	112.52	0.00	0.00	0.00	0.00	
6,643.99	90.00	269.39	6,365.00	-198.88	-364.92	12.00	12.00	0.00	269.39	32H PBHL
10,763.25	90.00	269.39	6,365.00	-242.47	-4,483.95	0.00	0.00	0.00	0.00	32H PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Siebring 5-63-32-32H
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4587.00usft
Project:	Weld Co., CO	MD Reference:	WELL @ 4587.00usft
Site:	Sec.32-T5N-R63W	North Reference:	True
Well:	Siebring 5-63-32-32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)
0.00	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
Pierre									
237.00	0.00	0.00	237.00	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
Start Build 2.00									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	2.00	149.86	599.98	-1.51	0.88	-0.79	2.00	2.00	0.00
Start 3671.78 hold at 667.34 MD									
667.34	3.35	149.86	667.24	-4.23	2.45	-2.22	2.00	2.00	0.00
700.00	3.35	149.86	699.85	-5.87	3.41	-3.09	0.00	0.00	0.00
800.00	3.35	149.86	799.68	-10.92	6.34	-5.74	0.00	0.00	0.00
900.00	3.35	149.86	899.51	-15.97	9.27	-8.40	0.00	0.00	0.00
1,000.00	3.35	149.86	999.34	-21.02	12.20	-11.05	0.00	0.00	0.00
1,100.00	3.35	149.86	1,099.17	-26.07	15.13	-13.70	0.00	0.00	0.00
1,200.00	3.35	149.86	1,199.00	-31.12	18.06	-16.36	0.00	0.00	0.00
1,300.00	3.35	149.86	1,298.83	-36.17	21.00	-19.01	0.00	0.00	0.00
1,400.00	3.35	149.86	1,398.66	-41.22	23.93	-21.67	0.00	0.00	0.00
1,500.00	3.35	149.86	1,498.48	-46.26	26.86	-24.32	0.00	0.00	0.00
1,600.00	3.35	149.86	1,598.31	-51.31	29.79	-26.97	0.00	0.00	0.00
1,700.00	3.35	149.86	1,698.14	-56.36	32.72	-29.63	0.00	0.00	0.00
1,800.00	3.35	149.86	1,797.97	-61.41	35.65	-32.28	0.00	0.00	0.00
1,900.00	3.35	149.86	1,897.80	-66.46	38.58	-34.94	0.00	0.00	0.00
2,000.00	3.35	149.86	1,997.63	-71.51	41.51	-37.59	0.00	0.00	0.00
2,100.00	3.35	149.86	2,097.46	-76.56	44.44	-40.24	0.00	0.00	0.00
2,200.00	3.35	149.86	2,197.29	-81.61	47.37	-42.90	0.00	0.00	0.00
2,300.00	3.35	149.86	2,297.12	-86.65	50.30	-45.55	0.00	0.00	0.00
2,400.00	3.35	149.86	2,396.95	-91.70	53.23	-48.21	0.00	0.00	0.00
2,500.00	3.35	149.86	2,496.78	-96.75	56.17	-50.86	0.00	0.00	0.00
2,600.00	3.35	149.86	2,596.61	-101.80	59.10	-53.51	0.00	0.00	0.00
2,700.00	3.35	149.86	2,696.44	-106.85	62.03	-56.17	0.00	0.00	0.00
2,800.00	3.35	149.86	2,796.27	-111.90	64.96	-58.82	0.00	0.00	0.00
2,900.00	3.35	149.86	2,896.10	-116.95	67.89	-61.48	0.00	0.00	0.00
3,000.00	3.35	149.86	2,995.93	-122.00	70.82	-64.13	0.00	0.00	0.00
3,100.00	3.35	149.86	3,095.76	-127.04	73.75	-66.78	0.00	0.00	0.00
3,200.00	3.35	149.86	3,195.59	-132.09	76.68	-69.44	0.00	0.00	0.00
3,300.00	3.35	149.86	3,295.42	-137.14	79.61	-72.09	0.00	0.00	0.00
3,400.00	3.35	149.86	3,395.24	-142.19	82.54	-74.74	0.00	0.00	0.00
3,500.00	3.35	149.86	3,495.07	-147.24	85.47	-77.40	0.00	0.00	0.00
3,600.00	3.35	149.86	3,594.90	-152.29	88.40	-80.05	0.00	0.00	0.00
3,700.00	3.35	149.86	3,694.73	-157.34	91.34	-82.71	0.00	0.00	0.00
3,800.00	3.35	149.86	3,794.56	-162.39	94.27	-85.36	0.00	0.00	0.00
3,900.00	3.35	149.86	3,894.39	-167.43	97.20	-88.01	0.00	0.00	0.00
Terry/Sussex									
3,992.77	3.35	149.86	3,987.00	-172.12	99.92	-90.48	0.00	0.00	0.00
4,000.00	3.35	149.86	3,994.22	-172.48	100.13	-90.67	0.00	0.00	0.00
4,100.00	3.35	149.86	4,094.05	-177.53	103.06	-93.32	0.00	0.00	0.00
4,200.00	3.35	149.86	4,193.88	-182.58	105.99	-95.98	0.00	0.00	0.00
4,300.00	3.35	149.86	4,293.71	-187.63	108.92	-98.63	0.00	0.00	0.00
Start Drop -2.00									
4,339.12	3.35	149.86	4,332.76	-189.60	110.07	-99.67	0.00	0.00	0.00
4,400.00	2.13	149.86	4,393.57	-192.12	111.53	-100.99	2.00	-2.00	0.00

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Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4587.00usft
Project:	Weld Co., CO	MD Reference:	WELL @ 4587.00usft
Site:	Sec.32-T5N-R63W	North Reference:	True
Well:	Siebring 5-63-32-32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)
Start 1387.54 hold at 4506.45 MD									
4,506.45	0.00	0.00	4,500.00	-193.83	112.52	-101.89	2.00	-2.00	-140.78
4,600.00	0.00	0.00	4,593.55	-193.83	112.52	-101.89	0.00	0.00	0.00
Shannon									
4,643.45	0.00	0.00	4,637.00	-193.83	112.52	-101.89	0.00	0.00	0.00
4,700.00	0.00	0.00	4,693.55	-193.83	112.52	-101.89	0.00	0.00	0.00
4,800.00	0.00	0.00	4,793.55	-193.83	112.52	-101.89	0.00	0.00	0.00
4,900.00	0.00	0.00	4,893.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,000.00	0.00	0.00	4,993.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,100.00	0.00	0.00	5,093.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,200.00	0.00	0.00	5,193.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,300.00	0.00	0.00	5,293.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,400.00	0.00	0.00	5,393.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,500.00	0.00	0.00	5,493.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,600.00	0.00	0.00	5,593.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,700.00	0.00	0.00	5,693.55	-193.83	112.52	-101.89	0.00	0.00	0.00
5,800.00	0.00	0.00	5,793.55	-193.83	112.52	-101.89	0.00	0.00	0.00
Start Build 12.00									
5,893.99	0.00	0.00	5,887.54	-193.83	112.52	-101.89	0.00	0.00	0.00
5,900.00	0.72	269.39	5,893.55	-193.83	112.48	-101.85	12.00	12.00	0.00
5,925.00	3.72	269.39	5,918.53	-193.84	111.51	-100.88	12.00	12.00	0.00
5,950.00	6.72	269.39	5,943.42	-193.86	109.24	-98.61	12.00	12.00	0.00
5,975.00	9.72	269.39	5,968.16	-193.90	105.66	-95.04	12.00	12.00	0.00
6,000.00	12.72	269.39	5,992.68	-193.95	100.80	-90.18	12.00	12.00	0.00
6,025.00	15.72	269.39	6,016.91	-194.02	94.66	-84.05	12.00	12.00	0.00
6,050.00	18.72	269.39	6,040.79	-194.10	87.26	-76.65	12.00	12.00	0.00
6,075.00	21.72	269.39	6,064.24	-194.19	78.62	-68.02	12.00	12.00	0.00
6,100.00	24.72	269.39	6,087.22	-194.29	68.77	-58.17	12.00	12.00	0.00
6,125.00	27.72	269.39	6,109.64	-194.41	57.72	-47.14	12.00	12.00	0.00
6,150.00	30.72	269.39	6,131.46	-194.54	45.52	-34.95	12.00	12.00	0.00
Sharon Springs									
6,168.29	32.92	269.39	6,147.00	-194.64	35.88	-25.31	12.00	12.00	0.00
6,175.00	33.72	269.39	6,152.60	-194.68	32.19	-21.63	12.00	12.00	0.00
6,200.00	36.72	269.39	6,173.02	-194.83	17.78	-7.23	12.00	12.00	0.00
6,225.00	39.72	269.39	6,192.66	-195.00	2.31	8.22	12.00	12.00	0.00
6,250.00	42.72	269.39	6,211.47	-195.17	-14.16	24.68	12.00	12.00	0.00
6,275.00	45.72	269.39	6,229.38	-195.36	-31.59	42.10	12.00	12.00	0.00
6,300.00	48.72	269.39	6,246.36	-195.55	-49.94	60.43	12.00	12.00	0.00
Niobrara									
6,314.88	50.51	269.39	6,256.00	-195.67	-61.27	71.75	12.00	12.00	0.00
6,325.00	51.72	269.39	6,262.35	-195.75	-69.15	79.62	12.00	12.00	0.00
6,350.00	54.72	269.39	6,277.32	-195.96	-89.17	99.62	12.00	12.00	0.00
6,375.00	57.72	269.39	6,291.22	-196.18	-109.95	120.38	12.00	12.00	0.00
6,400.00	60.72	269.39	6,304.01	-196.41	-131.42	141.83	12.00	12.00	0.00
6,425.00	63.72	269.39	6,315.66	-196.65	-153.54	163.93	12.00	12.00	0.00
6,450.00	66.72	269.39	6,326.13	-196.89	-176.23	186.60	12.00	12.00	0.00
6,475.00	69.72	269.39	6,335.41	-197.13	-199.44	209.79	12.00	12.00	0.00
Top B2 Tgt									
6,488.79	71.38	269.39	6,340.00	-197.27	-212.44	222.78	12.00	12.00	0.00
6,500.00	72.72	269.39	6,343.46	-197.38	-223.11	233.44	12.00	12.00	0.00
6,525.00	75.72	269.39	6,350.25	-197.64	-247.16	257.47	12.00	12.00	0.00
6,550.00	78.72	269.39	6,355.78	-197.89	-271.54	281.83	12.00	12.00	0.00
6,575.00	81.72	269.39	6,360.03	-198.15	-296.17	306.44	12.00	12.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Siebring 5-63-32-32H
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4587.00usft
Project:	Weld Co., CO	MD Reference:	WELL @ 4587.00usft
Site:	Sec.32-T5N-R63W	North Reference:	True
Well:	Siebring 5-63-32-32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)
6,600.00	84.72	269.39	6,362.98	-198.42	-320.99	331.24	12.00	12.00	0.00
6,625.00	87.72	269.39	6,364.63	-198.68	-345.93	356.16	12.00	12.00	0.00
Base B2 Tgt									
6,641.85	89.74	269.39	6,365.00	-198.86	-362.77	372.98	12.00	12.00	0.00
32H LP									
6,643.98	90.00	269.39	6,365.00	-198.88	-364.91	375.12	12.00	12.00	0.00
Start 4119.26 hold at 6643.99 MD - 7" Csg.									
6,643.99	90.00	269.39	6,365.00	-198.88	-364.92	375.12	12.00	12.00	0.00
6,700.00	90.00	269.39	6,365.00	-199.47	-420.92	431.08	0.00	0.00	0.00
6,800.00	90.00	269.39	6,365.00	-200.53	-520.92	530.99	0.00	0.00	0.00
6,900.00	90.00	269.39	6,365.00	-201.59	-620.91	630.89	0.00	0.00	0.00
7,000.00	90.00	269.39	6,365.00	-202.65	-720.91	730.80	0.00	0.00	0.00
7,100.00	90.00	269.39	6,365.00	-203.71	-820.90	830.70	0.00	0.00	0.00
7,200.00	90.00	269.39	6,365.00	-204.77	-920.89	930.61	0.00	0.00	0.00
7,300.00	90.00	269.39	6,365.00	-205.82	-1,020.89	1,030.51	0.00	0.00	0.00
7,400.00	90.00	269.39	6,365.00	-206.88	-1,120.88	1,130.42	0.00	0.00	0.00
7,500.00	90.00	269.39	6,365.00	-207.94	-1,220.88	1,230.32	0.00	0.00	0.00
7,600.00	90.00	269.39	6,365.00	-209.00	-1,320.87	1,330.23	0.00	0.00	0.00
7,700.00	90.00	269.39	6,365.00	-210.06	-1,420.87	1,430.14	0.00	0.00	0.00
7,800.00	90.00	269.39	6,365.00	-211.11	-1,520.86	1,530.04	0.00	0.00	0.00
7,900.00	90.00	269.39	6,365.00	-212.17	-1,620.86	1,629.95	0.00	0.00	0.00
8,000.00	90.00	269.39	6,365.00	-213.23	-1,720.85	1,729.85	0.00	0.00	0.00
8,100.00	90.00	269.39	6,365.00	-214.29	-1,820.84	1,829.76	0.00	0.00	0.00
8,200.00	90.00	269.39	6,365.00	-215.35	-1,920.84	1,929.66	0.00	0.00	0.00
8,300.00	90.00	269.39	6,365.00	-216.41	-2,020.83	2,029.57	0.00	0.00	0.00
8,400.00	90.00	269.39	6,365.00	-217.46	-2,120.83	2,129.48	0.00	0.00	0.00
8,500.00	90.00	269.39	6,365.00	-218.52	-2,220.82	2,229.38	0.00	0.00	0.00
8,600.00	90.00	269.39	6,365.00	-219.58	-2,320.82	2,329.29	0.00	0.00	0.00
8,700.00	90.00	269.39	6,365.00	-220.64	-2,420.81	2,429.19	0.00	0.00	0.00
8,800.00	90.00	269.39	6,365.00	-221.70	-2,520.81	2,529.10	0.00	0.00	0.00
8,900.00	90.00	269.39	6,365.00	-222.75	-2,620.80	2,629.00	0.00	0.00	0.00
9,000.00	90.00	269.39	6,365.00	-223.81	-2,720.79	2,728.91	0.00	0.00	0.00
9,100.00	90.00	269.39	6,365.00	-224.87	-2,820.79	2,828.82	0.00	0.00	0.00
9,200.00	90.00	269.39	6,365.00	-225.93	-2,920.78	2,928.72	0.00	0.00	0.00
9,300.00	90.00	269.39	6,365.00	-226.99	-3,020.78	3,028.63	0.00	0.00	0.00
9,400.00	90.00	269.39	6,365.00	-228.04	-3,120.77	3,128.53	0.00	0.00	0.00
9,500.00	90.00	269.39	6,365.00	-229.10	-3,220.77	3,228.44	0.00	0.00	0.00
9,600.00	90.00	269.39	6,365.00	-230.16	-3,320.76	3,328.34	0.00	0.00	0.00
9,700.00	90.00	269.39	6,365.00	-231.22	-3,420.75	3,428.25	0.00	0.00	0.00
9,800.00	90.00	269.39	6,365.00	-232.28	-3,520.75	3,528.15	0.00	0.00	0.00
9,900.00	90.00	269.39	6,365.00	-233.34	-3,620.74	3,628.06	0.00	0.00	0.00
10,000.00	90.00	269.39	6,365.00	-234.39	-3,720.74	3,727.97	0.00	0.00	0.00
10,100.00	90.00	269.39	6,365.00	-235.45	-3,820.73	3,827.87	0.00	0.00	0.00
10,200.00	90.00	269.39	6,365.00	-236.51	-3,920.73	3,927.78	0.00	0.00	0.00
10,300.00	90.00	269.39	6,365.00	-237.57	-4,020.72	4,027.68	0.00	0.00	0.00
10,400.00	90.00	269.39	6,365.00	-238.63	-4,120.72	4,127.59	0.00	0.00	0.00
10,500.00	90.00	269.39	6,365.00	-239.68	-4,220.71	4,227.49	0.00	0.00	0.00
10,600.00	90.00	269.39	6,365.00	-240.74	-4,320.70	4,327.40	0.00	0.00	0.00
10,700.00	90.00	269.39	6,365.00	-241.80	-4,420.70	4,427.31	0.00	0.00	0.00
TD at 10763.25 - 32H PBHL									
10,763.25	90.00	269.39	6,365.00	-242.47	-4,483.95	4,490.50	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Siebring 5-63-32-32H
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4587.00usft
Project:	Weld Co., CO	MD Reference:	WELL @ 4587.00usft
Site:	Sec.32-T5N-R63W	North Reference:	True
Well:	Siebring 5-63-32-32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
32H PBHL	0.00	0.00	6,365.00	-242.47	-4,483.95	1,374,605.342	3,287,779.358	40° 21' 25.536 N	104° 28' 2.458 W
- plan hits target center									
- Point									
32H LP	0.00	0.00	6,365.00	-198.88	-364.91	1,374,697.643	3,291,897.594	40° 21' 25.970 N	104° 27' 9.250 W
- plan misses target center by 0.01usft at 6643.98usft MD (6365.00 TVD, -198.88 N, -364.91 E)									
- Point									

Casing Points				
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(usft)	(usft)		(")	(")
6,643.99	6,365.00	7" Csg.	7	8-3/4

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
237.00	237.00	Pierre		0.00	
3,992.77	3,987.00	Terry/Sussex		0.00	
4,643.45	4,637.00	Shannon		0.00	
6,168.29	6,147.00	Sharon Springs		0.00	
6,314.88	6,256.00	Niobrara		0.00	
6,488.79	6,340.00	Top B2 Tgt		0.00	
6,641.85	6,365.00	Base B2 Tgt		0.00	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S	+E/-W	
		(usft)	(usft)	
500.00	500.00	0.00	0.00	Start Build 2.00
667.34	667.24	-4.23	2.45	Start 3671.78 hold at 667.34 MD
4,339.12	4,332.76	-189.60	110.07	Start Drop -2.00
4,506.45	4,500.00	-193.83	112.52	Start 1387.54 hold at 4506.45 MD
5,893.99	5,887.54	-193.83	112.52	Start Build 12.00
6,643.99	6,365.00	-198.88	-364.92	Start 4119.26 hold at 6643.99 MD
10,763.25	6,365.00	-242.47	-4,483.95	TD at 10763.25