

BILL BARRETT CORP

Weld County, CO

State of Colorado 1S-66-36 Pad

STATE OF COLORADO 1S-66-36 3225 CH

Wellbore #1

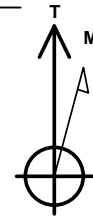
Plan: Design #1

Standard Planning Report

15 October, 2013

BILL BARRETT CORP
STATE OF COLORADO 1S-66-36 3225 CH
Weld County, CO

Geodetic System: US State Plane 1983
Zone: Colorado Northern Zone
WELL @ 5200.0usft (Original Well Elev)
Ground Level: 5180.0
Latitude: 39° 55' 30.112 N
Longitude: 104° 43' 56.690 W
Magnetic North is 8.49° East of True North (Magnetic Declination)



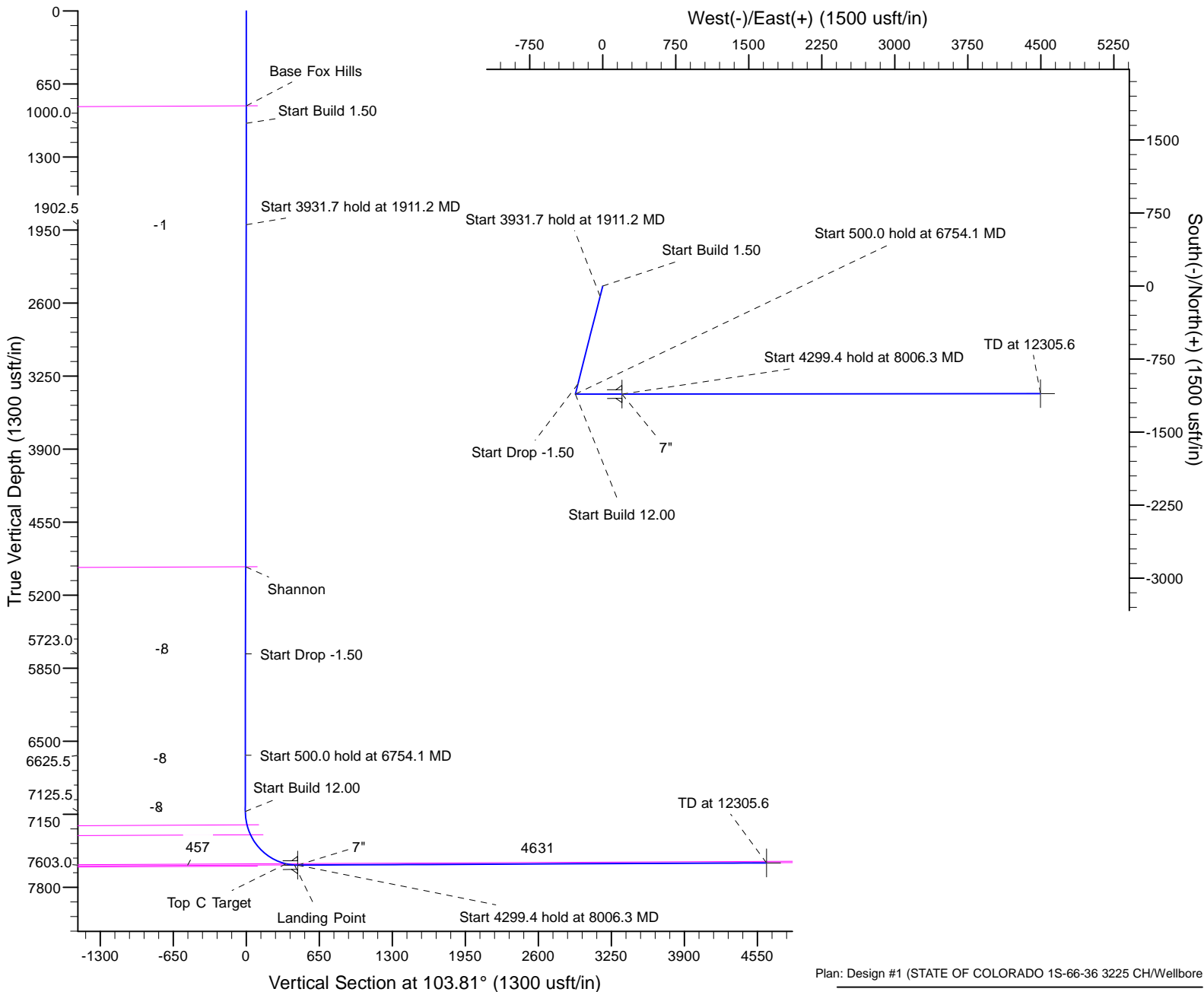
Azimuths to True North
Magnetic North: 8.49°

Magnetic Field
Strength: 52635.8nT
Dip Angle: 66.59°
Date: 10/15/2013
Model: IGRF2010

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0
1911.2	13.67	194.23	1902.5	-104.8	-26.6	1.50	194.23	-0.8
5842.9	13.67	194.23	5723.0	-1005.4	-254.9	0.00	0.00	-7.5
6754.1	0.00	0.00	6625.5	-1110.2	-281.5	1.50	180.00	-8.3
7254.1	0.00	0.00	7125.5	-1110.2	-281.5	0.00	0.00	-8.3
8006.3	90.27	89.94	7603.0	-1109.7	198.2	12.00	89.94	457.4
12305.6	90.27	89.94	7583.0	-1105.6	4497.5	0.00	0.00	4631.4

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
845.0	845.0	Base Fox Hills
4948.0	5045.4	Shannon
7246.3	7376.1	Sharon Springs
7334.1	7470.0	Niobrara
7591.6	7899.5	Top C Target
7602.2	7977.2	Landing Point



Plan: Design #1 (STATE OF COLORADO 1S-66-36 3225 CH/Wellbore #

Created By: Mike Kirby Date: 17:55, October 15 2013
Checked: Date:
Reviewed: Date:
Approved: x Date: x

Planning Report

Database:	Rocky Mountain R5000 Database	Local Co-ordinate Reference:	Well STATE OF COLORADO 1S-66-36 3225 CH
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5200.0usft (Original Well Elev)
Project:	Weld County, CO	MD Reference:	WELL @ 5200.0usft (Original Well Elev)
Site:	State of Colorado 1S-66-36 Pad	North Reference:	True
Well:	STATE OF COLORADO 1S-66-36 3225 CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	State of Colorado 1S-66-36 Pad			
Site Position:		Northing:	1,216,469.41 usft	Latitude: 39° 55' 30.112 N
From:	Lat/Long	Easting:	3,215,275.68 usft	Longitude: 104° 43' 56.690 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.50 °

Well	STATE OF COLORADO 1S-66-36 3225 CH			
Well Position	+N/-S	-0.1 usft	Northing:	1,216,469.30 usft
	+E/-W	0.0 usft	Easting:	3,215,275.70 usft
Position Uncertainty		0.0 usft	Wellhead Elevation:	Ground Level: 5,180.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/15/2013	8.49	66.59	52,636

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	103.81

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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,911.2	13.67	194.23	1,902.5	-104.8	-26.6	1.50	1.50	0.00	194.23	
5,842.9	13.67	194.23	5,723.0	-1,005.4	-254.9	0.00	0.00	0.00	0.00	
6,754.1	0.00	0.00	6,625.5	-1,110.2	-281.5	1.50	-1.50	0.00	180.00	
7,254.1	0.00	0.00	7,125.5	-1,110.2	-281.5	0.00	0.00	0.00	0.00	
8,006.3	90.27	89.95	7,603.0	-1,109.7	198.2	12.00	12.00	0.00	89.95	
12,305.6	90.27	89.95	7,583.0	-1,105.6	4,497.5	0.00	0.00	0.00	0.00	SOC 3225 CH PBHL

Planning Report

Database:	Rocky Mountain R5000 Database	Local Co-ordinate Reference:	Well STATE OF COLORADO 1S-66-36 3225 CH
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5200.0usft (Original Well Elev)
Project:	Weld County, CO	MD Reference:	WELL @ 5200.0usft (Original Well Elev)
Site:	State of Colorado 1S-66-36 Pad	North Reference:	True
Well:	STATE OF COLORADO 1S-66-36 3225 CH	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)	
0.0	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	
845.0	0.00	0.00	845.0	0.0	0.0	0.0	0.00	0.00	0.00	
Base Fox Hills										
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	1.50	194.23	1,100.0	-1.3	-0.3	0.0	1.50	1.50	0.00	
1,200.0	3.00	194.23	1,199.9	-5.1	-1.3	0.0	1.50	1.50	0.00	
1,300.0	4.50	194.23	1,299.7	-11.4	-2.9	-0.1	1.50	1.50	0.00	
1,400.0	6.00	194.23	1,399.3	-20.3	-5.1	-0.2	1.50	1.50	0.00	
1,500.0	7.50	194.23	1,498.6	-31.7	-8.0	-0.2	1.50	1.50	0.00	
1,600.0	9.00	194.23	1,597.5	-45.6	-11.6	-0.3	1.50	1.50	0.00	
1,700.0	10.50	194.23	1,696.1	-62.0	-15.7	-0.5	1.50	1.50	0.00	
1,800.0	12.00	194.23	1,794.2	-80.9	-20.5	-0.6	1.50	1.50	0.00	
1,900.0	13.50	194.23	1,891.7	-102.3	-25.9	-0.8	1.50	1.50	0.00	
1,911.2	13.67	194.23	1,902.5	-104.8	-26.6	-0.8	1.50	1.50	0.00	
2,000.0	13.67	194.23	1,988.9	-125.2	-31.7	-0.9	0.00	0.00	0.00	
2,100.0	13.67	194.23	2,086.0	-148.1	-37.6	-1.1	0.00	0.00	0.00	
2,200.0	13.67	194.23	2,183.2	-171.0	-43.4	-1.3	0.00	0.00	0.00	
2,300.0	13.67	194.23	2,280.4	-193.9	-49.2	-1.5	0.00	0.00	0.00	
2,400.0	13.67	194.23	2,377.5	-216.8	-55.0	-1.6	0.00	0.00	0.00	
2,500.0	13.67	194.23	2,474.7	-239.7	-60.8	-1.8	0.00	0.00	0.00	
2,600.0	13.67	194.23	2,571.9	-262.6	-66.6	-2.0	0.00	0.00	0.00	
2,700.0	13.67	194.23	2,669.0	-285.5	-72.4	-2.1	0.00	0.00	0.00	
2,800.0	13.67	194.23	2,766.2	-308.4	-78.2	-2.3	0.00	0.00	0.00	
2,900.0	13.67	194.23	2,863.4	-331.3	-84.0	-2.5	0.00	0.00	0.00	
3,000.0	13.67	194.23	2,960.6	-354.2	-89.8	-2.7	0.00	0.00	0.00	
3,100.0	13.67	194.23	3,057.7	-377.1	-95.6	-2.8	0.00	0.00	0.00	
3,200.0	13.67	194.23	3,154.9	-400.0	-101.4	-3.0	0.00	0.00	0.00	
3,300.0	13.67	194.23	3,252.1	-422.9	-107.2	-3.2	0.00	0.00	0.00	
3,400.0	13.67	194.23	3,349.2	-445.8	-113.0	-3.3	0.00	0.00	0.00	
3,500.0	13.67	194.23	3,446.4	-468.7	-118.9	-3.5	0.00	0.00	0.00	
3,600.0	13.67	194.23	3,543.6	-491.6	-124.7	-3.7	0.00	0.00	0.00	
3,700.0	13.67	194.23	3,640.7	-514.6	-130.5	-3.9	0.00	0.00	0.00	
3,800.0	13.67	194.23	3,737.9	-537.5	-136.3	-4.0	0.00	0.00	0.00	
3,900.0	13.67	194.23	3,835.1	-560.4	-142.1	-4.2	0.00	0.00	0.00	
4,000.0	13.67	194.23	3,932.2	-583.3	-147.9	-4.4	0.00	0.00	0.00	
4,100.0	13.67	194.23	4,029.4	-606.2	-153.7	-4.5	0.00	0.00	0.00	
4,200.0	13.67	194.23	4,126.6	-629.1	-159.5	-4.7	0.00	0.00	0.00	
4,300.0	13.67	194.23	4,223.7	-652.0	-165.3	-4.9	0.00	0.00	0.00	
4,400.0	13.67	194.23	4,320.9	-674.9	-171.1	-5.1	0.00	0.00	0.00	
4,500.0	13.67	194.23	4,418.1	-697.8	-176.9	-5.2	0.00	0.00	0.00	
4,600.0	13.67	194.23	4,515.2	-720.7	-182.7	-5.4	0.00	0.00	0.00	
4,700.0	13.67	194.23	4,612.4	-743.6	-188.5	-5.6	0.00	0.00	0.00	
4,800.0	13.67	194.23	4,709.6	-766.5	-194.4	-5.8	0.00	0.00	0.00	
4,900.0	13.67	194.23	4,806.8	-789.4	-200.2	-5.9	0.00	0.00	0.00	

Planning Report

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Project:	Weld County, CO	MD Reference:	WELL @ 5200.0usft (Original Well Elev)
Site:	State of Colorado 1S-66-36 Pad	North Reference:	True
Well:	STATE OF COLORADO 1S-66-36 3225 CH	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)	
5,000.0	13.67	194.23	4,903.9	-812.3	-206.0	-6.1	0.00	0.00	0.00	
5,045.4	13.67	194.23	4,948.0	-822.7	-208.6	-6.2	0.00	0.00	0.00	
Shannon										
5,100.0	13.67	194.23	5,001.1	-835.2	-211.8	-6.3	0.00	0.00	0.00	
5,200.0	13.67	194.23	5,098.3	-858.1	-217.6	-6.4	0.00	0.00	0.00	
5,300.0	13.67	194.23	5,195.4	-881.0	-223.4	-6.6	0.00	0.00	0.00	
5,400.0	13.67	194.23	5,292.6	-903.9	-229.2	-6.8	0.00	0.00	0.00	
5,500.0	13.67	194.23	5,389.8	-926.8	-235.0	-7.0	0.00	0.00	0.00	
5,600.0	13.67	194.23	5,486.9	-949.7	-240.8	-7.1	0.00	0.00	0.00	
5,700.0	13.67	194.23	5,584.1	-972.6	-246.6	-7.3	0.00	0.00	0.00	
5,800.0	13.67	194.23	5,681.3	-995.5	-252.4	-7.5	0.00	0.00	0.00	
5,842.9	13.67	194.23	5,723.0	-1,005.4	-254.9	-7.5	0.00	0.00	0.00	
5,900.0	12.81	194.23	5,778.5	-1,018.0	-258.1	-7.6	1.50	-1.50	0.00	
6,000.0	11.31	194.23	5,876.3	-1,038.3	-263.3	-7.8	1.50	-1.50	0.00	
6,100.0	9.81	194.23	5,974.6	-1,056.1	-267.8	-7.9	1.50	-1.50	0.00	
6,200.0	8.31	194.23	6,073.4	-1,071.3	-271.6	-8.0	1.50	-1.50	0.00	
6,300.0	6.81	194.23	6,172.5	-1,084.1	-274.9	-8.1	1.50	-1.50	0.00	
6,400.0	5.31	194.23	6,271.9	-1,094.3	-277.5	-8.2	1.50	-1.50	0.00	
6,500.0	3.81	194.23	6,371.6	-1,102.0	-279.4	-8.3	1.50	-1.50	0.00	
6,600.0	2.31	194.23	6,471.5	-1,107.2	-280.7	-8.3	1.50	-1.50	0.00	
6,700.0	0.81	194.23	6,571.4	-1,109.8	-281.4	-8.3	1.50	-1.50	0.00	
6,754.1	0.00	0.00	6,625.5	-1,110.2	-281.5	-8.3	1.50	-1.50	0.00	
6,800.0	0.00	0.00	6,671.4	-1,110.2	-281.5	-8.3	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,771.4	-1,110.2	-281.5	-8.3	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,871.4	-1,110.2	-281.5	-8.3	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,971.4	-1,110.2	-281.5	-8.3	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,071.4	-1,110.2	-281.5	-8.3	0.00	0.00	0.00	
7,254.1	0.00	0.00	7,125.5	-1,110.2	-281.5	-8.3	0.00	0.00	0.00	
7,300.0	5.51	89.95	7,171.4	-1,110.2	-279.3	-6.2	12.00	12.00	0.00	
7,376.1	14.65	89.95	7,246.3	-1,110.2	-266.0	6.7	12.00	12.00	0.00	
Sharon Springs										
7,400.0	17.51	89.95	7,269.2	-1,110.2	-259.4	13.2	12.00	12.00	0.00	
7,470.0	25.91	89.95	7,334.1	-1,110.2	-233.5	38.3	12.00	12.00	0.00	
Niobrara										
7,500.0	29.51	89.95	7,360.7	-1,110.1	-219.5	51.8	12.00	12.00	0.00	
7,600.0	41.51	89.95	7,442.0	-1,110.1	-161.6	108.1	12.00	12.00	0.00	
7,700.0	53.51	89.95	7,509.4	-1,110.0	-88.0	179.6	12.00	12.00	0.00	
7,800.0	65.51	89.95	7,560.0	-1,109.9	-1.9	263.1	12.00	12.00	0.00	
7,899.5	77.46	89.95	7,591.6	-1,109.8	92.3	354.6	12.00	12.00	0.00	
Top C Target										
7,900.0	77.51	89.95	7,591.7	-1,109.8	92.7	355.0	12.00	12.00	0.00	
7,977.2	86.77	89.95	7,602.2	-1,109.8	169.1	429.1	12.00	12.00	0.00	
Landing Point										
8,000.0	89.51	89.95	7,602.9	-1,109.7	191.9	451.3	12.00	12.00	0.00	
8,006.3	90.27	89.95	7,603.0	-1,109.7	198.2	457.4	11.97	11.97	0.00	
7"										
8,100.0	90.27	89.95	7,602.5	-1,109.6	291.9	548.4	0.00	0.00	0.00	
8,200.0	90.27	89.95	7,602.1	-1,109.6	391.9	645.4	0.00	0.00	0.00	
8,300.0	90.27	89.95	7,601.6	-1,109.5	491.9	742.5	0.00	0.00	0.00	
8,400.0	90.27	89.95	7,601.1	-1,109.4	591.9	839.6	0.00	0.00	0.00	
8,500.0	90.27	89.95	7,600.7	-1,109.3	691.9	936.7	0.00	0.00	0.00	
8,600.0	90.27	89.95	7,600.2	-1,109.2	791.9	1,033.8	0.00	0.00	0.00	

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Well:	STATE OF COLORADO 1S-66-36 3225 CH	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)	
8,700.0	90.27	89.95	7,599.7	-1,109.1	891.9	1,130.9	0.00	0.00	0.00	
8,800.0	90.27	89.95	7,599.3	-1,109.0	991.9	1,227.9	0.00	0.00	0.00	
8,900.0	90.27	89.95	7,598.8	-1,108.9	1,091.9	1,325.0	0.00	0.00	0.00	
9,000.0	90.27	89.95	7,598.3	-1,108.8	1,191.9	1,422.1	0.00	0.00	0.00	
9,100.0	90.27	89.95	7,597.9	-1,108.7	1,291.9	1,519.2	0.00	0.00	0.00	
9,200.0	90.27	89.95	7,597.4	-1,108.6	1,391.9	1,616.3	0.00	0.00	0.00	
9,300.0	90.27	89.95	7,596.9	-1,108.5	1,491.9	1,713.4	0.00	0.00	0.00	
9,400.0	90.27	89.95	7,596.5	-1,108.4	1,591.9	1,810.5	0.00	0.00	0.00	
9,500.0	90.27	89.95	7,596.0	-1,108.3	1,691.9	1,907.5	0.00	0.00	0.00	
9,600.0	90.27	89.95	7,595.5	-1,108.2	1,791.9	2,004.6	0.00	0.00	0.00	
9,700.0	90.27	89.95	7,595.1	-1,108.1	1,891.9	2,101.7	0.00	0.00	0.00	
9,800.0	90.27	89.95	7,594.6	-1,108.0	1,991.9	2,198.8	0.00	0.00	0.00	
9,900.0	90.27	89.95	7,594.1	-1,107.9	2,091.9	2,295.9	0.00	0.00	0.00	
10,000.0	90.27	89.95	7,593.7	-1,107.8	2,191.9	2,393.0	0.00	0.00	0.00	
10,100.0	90.27	89.95	7,593.2	-1,107.7	2,291.9	2,490.1	0.00	0.00	0.00	
10,200.0	90.27	89.95	7,592.8	-1,107.6	2,391.9	2,587.1	0.00	0.00	0.00	
10,300.0	90.27	89.95	7,592.3	-1,107.5	2,491.9	2,684.2	0.00	0.00	0.00	
10,400.0	90.27	89.95	7,591.8	-1,107.4	2,591.9	2,781.3	0.00	0.00	0.00	
10,500.0	90.27	89.95	7,591.4	-1,107.3	2,691.9	2,878.4	0.00	0.00	0.00	
10,600.0	90.27	89.95	7,590.9	-1,107.2	2,791.9	2,975.5	0.00	0.00	0.00	
10,700.0	90.27	89.95	7,590.4	-1,107.2	2,891.9	3,072.6	0.00	0.00	0.00	
10,800.0	90.27	89.95	7,590.0	-1,107.1	2,991.9	3,169.6	0.00	0.00	0.00	
10,900.0	90.27	89.95	7,589.5	-1,107.0	3,091.9	3,266.7	0.00	0.00	0.00	
11,000.0	90.27	89.95	7,589.0	-1,106.9	3,191.9	3,363.8	0.00	0.00	0.00	
11,100.0	90.27	89.95	7,588.6	-1,106.8	3,291.9	3,460.9	0.00	0.00	0.00	
11,200.0	90.27	89.95	7,588.1	-1,106.7	3,391.9	3,558.0	0.00	0.00	0.00	
11,300.0	90.27	89.95	7,587.6	-1,106.6	3,491.9	3,655.1	0.00	0.00	0.00	
11,400.0	90.27	89.95	7,587.2	-1,106.5	3,591.9	3,752.2	0.00	0.00	0.00	
11,500.0	90.27	89.95	7,586.7	-1,106.4	3,691.9	3,849.2	0.00	0.00	0.00	
11,600.0	90.27	89.95	7,586.2	-1,106.3	3,791.9	3,946.3	0.00	0.00	0.00	
11,700.0	90.27	89.95	7,585.8	-1,106.2	3,891.9	4,043.4	0.00	0.00	0.00	
11,800.0	90.27	89.95	7,585.3	-1,106.1	3,991.9	4,140.5	0.00	0.00	0.00	
11,900.0	90.27	89.95	7,584.8	-1,106.0	4,091.9	4,237.6	0.00	0.00	0.00	
12,000.0	90.27	89.95	7,584.4	-1,105.9	4,191.9	4,334.7	0.00	0.00	0.00	
12,100.0	90.27	89.95	7,583.9	-1,105.8	4,291.9	4,431.7	0.00	0.00	0.00	
12,200.0	90.27	89.95	7,583.4	-1,105.7	4,391.9	4,528.8	0.00	0.00	0.00	
12,300.0	90.27	89.95	7,583.0	-1,105.6	4,491.9	4,625.9	0.00	0.00	0.00	
12,305.6	90.27	89.95	7,583.0	-1,105.6	4,497.5	4,631.4	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
SOC 3225 CH PBHL	0.00	0.00	7,583.0	-1,105.6	4,497.5	1,215,402.70	3,219,782.60	39° 55' 19.180 N	104° 42' 58.963 W	
- hit/miss target										
- Shape										
- plan misses target center by 0.1usft at 12305.6usft MD (7583.0 TVD, -1105.6 N, 4497.5 E)										
- Point										
SOC 3225 CH LP	0.00	0.00	7,603.0	-1,109.7	198.2	1,215,361.35	3,215,483.50	39° 55' 19.144 N	104° 43' 54.146 W	
- hit/miss target										
- Shape										
- plan misses target center by 0.1usft at 8006.3usft MD (7603.0 TVD, -1109.7 N, 198.2 E)										
- Point										

Planning Report

Database:	Rocky Mountain R5000 Database	Local Co-ordinate Reference:	Well STATE OF COLORADO 1S-66-36 3225 CH
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5200.0usft (Original Well Elev)
Project:	Weld County, CO	MD Reference:	WELL @ 5200.0usft (Original Well Elev)
Site:	State of Colorado 1S-66-36 Pad	North Reference:	True
Well:	STATE OF COLORADO 1S-66-36 3225 CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
8,006.3	7,603.0	7"	7	8-3/4	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
845.0	845.0	Base Fox Hills		-0.27	89.94	
5,045.4	4,948.0	Shannon		-0.27	89.94	
7,376.1	7,246.3	Sharon Springs		-0.27	89.94	
7,470.0	7,334.1	Niobrara		-0.27	89.94	
7,899.5	7,591.6	Top C Target		-0.27	89.94	
7,977.2	7,602.2	Landing Point		-0.27	89.94	