

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Robinson SESE-26-692

Robinson 44D-26-692

Wellbore #1

Plan: Design #1

Standard Planning Report

27 October, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Robinson 44D-26-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5970.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5970.00ft (Original Well Elev)
Site:	Robinson SESE-26-692	North Reference:	True
Well:	Robinson 44D-26-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	Robinson SESE-26-692		
Site Position:		Northing:	1,611,273.766 ft
From:	Lat/Long	Easting:	2,400,075.613 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 29' 32.820 N
		Longitude:	107° 37' 33.4812 W
		Grid Convergence:	-1.34 °

Well	Robinson 44D-26-692		
Well Position	+N/-S	-82.33 ft	Northing:
	+E/-W	-52.49 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 32.006 N
			Longitude:
			107° 37' 34.1508 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/22/2009	10.43	65.86	52,490

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	340.62

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,184.09	10.85	340.62	1,181.50	38.67	-13.60	2.50	2.50	0.00	340.62	
4,592.38	10.85	340.62	4,528.83	644.01	-226.52	0.00	0.00	0.00	0.00	
5,315.86	0.00	0.00	5,248.00	708.46	-249.19	1.50	-1.50	0.00	180.00	
7,315.86	0.00	0.00	7,248.00	708.46	-249.19	0.00	0.00	0.00	0.00	Robinson 44D-26-6

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Planning Report

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5970.00ft (Original Well Elev)
Site:	Robinson SESE-26-692	North Reference:	True
Well:	Robinson 44D-26-692	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)	
0.00	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	
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	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.25	340.62	800.00	0.51	-0.18	0.55	2.50	2.50	0.00	
900.00	3.75	340.62	899.89	4.63	-1.63	4.91	2.50	2.50	0.00	
1,000.00	6.25	340.62	999.50	12.85	-4.52	13.62	2.50	2.50	0.00	
1,100.00	8.75	340.62	1,098.64	25.16	-8.85	26.67	2.50	2.50	0.00	
1,184.09	10.85	340.62	1,181.50	38.67	-13.60	40.99	2.50	2.50	0.00	
1,200.00	10.85	340.62	1,197.12	41.49	-14.59	43.98	0.00	0.00	0.00	
1,300.00	10.85	340.62	1,295.34	59.25	-20.84	62.81	0.00	0.00	0.00	
1,400.00	10.85	340.62	1,393.55	77.01	-27.09	81.64	0.00	0.00	0.00	
1,500.00	10.85	340.62	1,491.76	94.77	-33.34	100.47	0.00	0.00	0.00	
1,600.00	10.85	340.62	1,589.97	112.54	-39.58	119.29	0.00	0.00	0.00	
1,700.00	10.85	340.62	1,688.18	130.30	-45.83	138.12	0.00	0.00	0.00	
1,800.00	10.85	340.62	1,786.39	148.06	-52.08	156.95	0.00	0.00	0.00	
1,900.00	10.85	340.62	1,884.61	165.82	-58.32	175.78	0.00	0.00	0.00	
2,000.00	10.85	340.62	1,982.82	183.58	-64.57	194.60	0.00	0.00	0.00	
2,100.00	10.85	340.62	2,081.03	201.34	-70.82	213.43	0.00	0.00	0.00	
2,200.00	10.85	340.62	2,179.24	219.10	-77.07	232.26	0.00	0.00	0.00	
2,300.00	10.85	340.62	2,277.45	236.86	-83.31	251.09	0.00	0.00	0.00	
2,400.00	10.85	340.62	2,375.66	254.62	-89.56	269.92	0.00	0.00	0.00	
2,500.00	10.85	340.62	2,473.88	272.39	-95.81	288.74	0.00	0.00	0.00	
2,600.00	10.85	340.62	2,572.09	290.15	-102.06	307.57	0.00	0.00	0.00	
2,700.00	10.85	340.62	2,670.30	307.91	-108.30	326.40	0.00	0.00	0.00	
2,800.00	10.85	340.62	2,768.51	325.67	-114.55	345.23	0.00	0.00	0.00	
2,900.00	10.85	340.62	2,866.72	343.43	-120.80	364.05	0.00	0.00	0.00	
3,000.00	10.85	340.62	2,964.93	361.19	-127.04	382.88	0.00	0.00	0.00	
3,100.00	10.85	340.62	3,063.14	378.95	-133.29	401.71	0.00	0.00	0.00	
3,200.00	10.85	340.62	3,161.36	396.71	-139.54	420.54	0.00	0.00	0.00	
3,300.00	10.85	340.62	3,259.57	414.47	-145.79	439.37	0.00	0.00	0.00	
3,400.00	10.85	340.62	3,357.78	432.24	-152.03	458.19	0.00	0.00	0.00	
3,500.00	10.85	340.62	3,455.99	450.00	-158.28	477.02	0.00	0.00	0.00	
3,600.00	10.85	340.62	3,554.20	467.76	-164.53	495.85	0.00	0.00	0.00	
3,700.00	10.85	340.62	3,652.41	485.52	-170.77	514.68	0.00	0.00	0.00	
3,800.00	10.85	340.62	3,750.63	503.28	-177.02	533.50	0.00	0.00	0.00	
3,900.00	10.85	340.62	3,848.84	521.04	-183.27	552.33	0.00	0.00	0.00	
4,000.00	10.85	340.62	3,947.05	538.80	-189.52	571.16	0.00	0.00	0.00	
4,100.00	10.85	340.62	4,045.26	556.56	-195.76	589.99	0.00	0.00	0.00	
4,200.00	10.85	340.62	4,143.47	574.32	-202.01	608.82	0.00	0.00	0.00	
4,300.00	10.85	340.62	4,241.68	592.09	-208.26	627.64	0.00	0.00	0.00	
4,400.00	10.85	340.62	4,339.90	609.85	-214.51	646.47	0.00	0.00	0.00	
4,500.00	10.85	340.62	4,438.11	627.61	-220.75	665.30	0.00	0.00	0.00	
4,592.38	10.85	340.62	4,528.83	644.01	-226.52	682.69	0.00	0.00	0.00	
4,600.00	10.74	340.62	4,536.32	645.36	-227.00	684.12	1.50	-1.50	0.00	
4,700.00	9.24	340.62	4,634.80	661.72	-232.75	701.46	1.50	-1.50	0.00	
4,800.00	7.74	340.62	4,733.70	675.65	-237.65	716.22	1.50	-1.50	0.00	
4,900.00	6.24	340.62	4,832.96	687.12	-241.69	728.39	1.50	-1.50	0.00	

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5970.00ft (Original Well Elev)
Site:	Robinson SESE-26-692	North Reference:	True
Well:	Robinson 44D-26-692	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)
5,000.00	4.74	340.62	4,932.50	696.14	-244.86	737.95	1.50	-1.50	0.00
5,100.00	3.24	340.62	5,032.25	702.70	-247.17	744.91	1.50	-1.50	0.00
5,200.00	1.74	340.62	5,132.15	706.80	-248.61	749.25	1.50	-1.50	0.00
5,300.00	0.24	340.62	5,232.14	708.43	-249.18	750.97	1.50	-1.50	0.00
5,315.86	0.00	0.00	5,248.00	708.46	-249.19	751.00	1.50	-1.50	0.00
5,400.00	0.00	0.00	5,332.14	708.46	-249.19	751.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,432.14	708.46	-249.19	751.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,532.14	708.46	-249.19	751.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,632.14	708.46	-249.19	751.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,732.14	708.46	-249.19	751.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,832.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,000.00	0.00	0.00	5,932.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,032.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,132.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,232.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,332.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,432.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,532.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,632.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,732.14	708.46	-249.19	751.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,832.14	708.46	-249.19	751.00	0.00	0.00	0.00
7,000.00	0.00	0.00	6,932.14	708.46	-249.19	751.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,032.14	708.46	-249.19	751.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,132.14	708.46	-249.19	751.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,232.14	708.46	-249.19	751.00	0.00	0.00	0.00
7,315.86	0.00	0.00	7,248.00	708.46	-249.19	751.00	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
750.00	750.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,303.49	3,263.00	Mesaverde		0.00	
4,204.61	4,148.00	Price Coal		0.00	
4,895.01	4,828.00	Top Gas		0.00	
7,015.86	6,948.00	Rollins		0.00	
7,315.86	7,248.00	TD		0.00	

WELL DETAILS: Robinson 44D-26-692

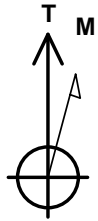
			Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1611192.691	2400021.209	39° 29' 32.006 N 107° 37' 34.1508 W		

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	
3	1184.09	10.85	340.62	1181.50	38.67	-13.60	2.50	340.62	40.99	
4	4592.38	10.85	340.62	4528.83	644.01	-226.52	0.00	0.00	682.69	
5	5315.86	0.00	0.00	5248.00	708.46	-249.19	1.50	180.00	751.00	
6	7315.86	0.00	0.00	7248.00	708.46	-249.19	0.00	0.00	751.00	Robinson 44D-26-692 TD

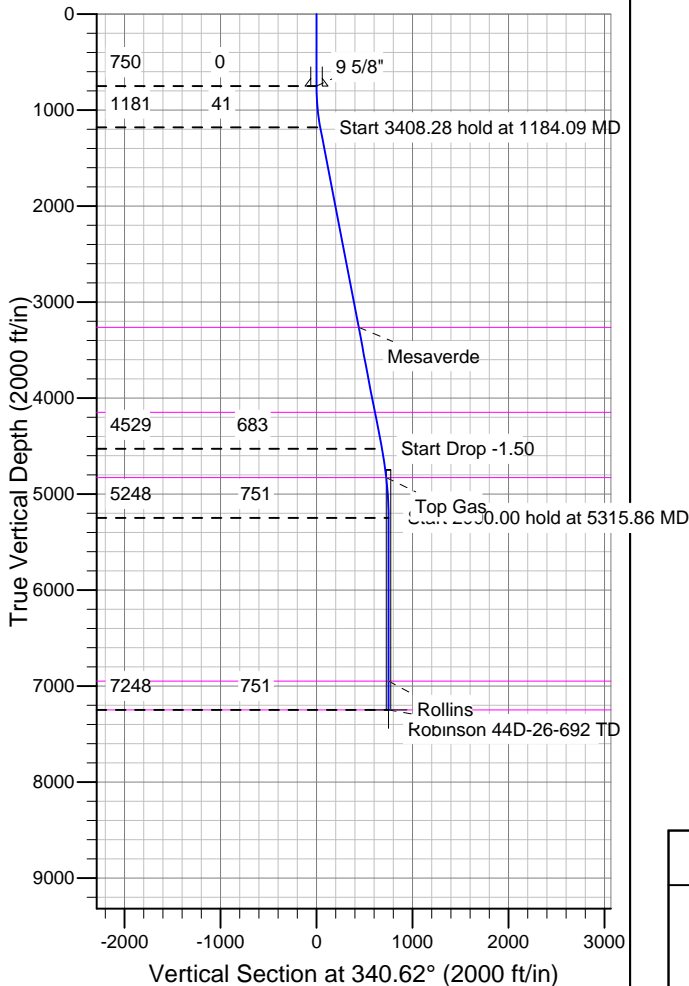
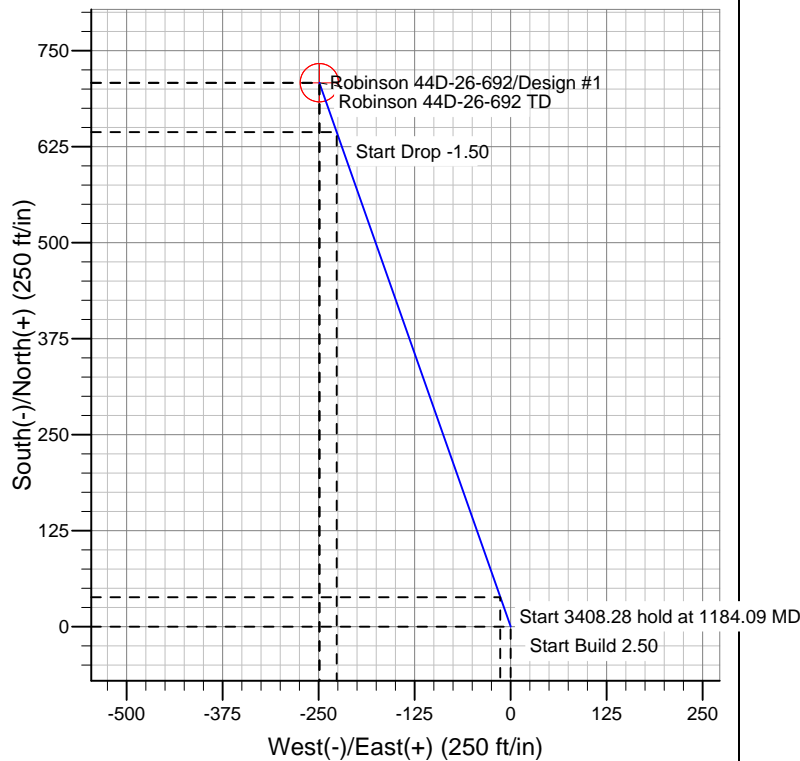
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Robinson 44D-26-692 TD	7248.00	708.46	-249.19	Circle (Radius: 25.00)



Azimuths to True North
Magnetic North: 10.43°

Magnetic Field
Strength: 52489.9snT
Dip Angle: 65.86°
Date: 7/22/2009
Model: IGRF2010



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3263.00	3303.49	Mesaverde
4148.00	4204.61	Price Coal
4828.00	4895.01	Top Gas
6948.00	7015.86	Rollins
7248.00	7315.86	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Robinson 44D-26-692, True North
Vertical (TVD) Reference: WELL @ 5970.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 5970.00ft (Original Well Elev)
Calculation Method: Minimum Curvature