

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Dixon SWNW-23-692

Dixon Federal 41C-22-692

Wellbore #1

Plan: Design #1

Standard Planning Report

04 August, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Dixon Federal 41C-22-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5815.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5815.00ft (Original Well Elev)
Site:	Dixon SWNW-23-692	North Reference:	True
Well:	Dixon Federal 41C-22-692	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	Dixon SWNW-23-692		
Site Position:		Northing:	1,620,383.301 ft
From:	Lat/Long	Easting:	2,395,551.941 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 31' 1.780 N
		Longitude:	107° 38' 33.9108 W
		Grid Convergence:	-1.35 °

Well	Dixon Federal 41C-22-692		
Well Position	+N/-S	-512.13 ft	Northing:
	+E/-W	53.88 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 56.718 N
			Longitude:
			107° 38' 33.2232 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.36	65.87	52,483

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	313.92

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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,593.51	19.84	313.92	1,577.75	94.35	-97.96	2.50	2.50	0.00	313.92	
4,595.66	19.84	313.92	4,401.75	801.11	-831.75	0.00	0.00	0.00	0.00	
5,918.18	0.00	0.00	5,698.00	958.35	-995.01	1.50	-1.50	0.00	180.00	
7,918.18	0.00	0.00	7,698.00	958.35	-995.01	0.00	0.00	0.00	0.00	Dixon Federal 41C-

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Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5815.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5815.00ft (Original Well Elev)
Site:	Dixon SWNW-23-692	North Reference:	True
Well:	Dixon Federal 41C-22-692	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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	2.50	313.92	899.97	1.51	-1.57	2.18	2.50	2.50	0.00	
1,000.00	5.00	313.92	999.75	6.05	-6.28	8.72	2.50	2.50	0.00	
1,100.00	7.50	313.92	1,099.14	13.60	-14.12	19.61	2.50	2.50	0.00	
1,200.00	10.00	313.92	1,197.97	24.15	-25.08	34.82	2.50	2.50	0.00	
1,300.00	12.50	313.92	1,296.04	37.69	-39.13	54.33	2.50	2.50	0.00	
1,400.00	15.00	313.92	1,393.17	54.17	-56.25	78.09	2.50	2.50	0.00	
1,500.00	17.50	313.92	1,489.17	73.58	-76.40	106.07	2.50	2.50	0.00	
1,593.51	19.84	313.92	1,577.75	94.35	-97.96	136.00	2.50	2.50	0.00	
1,600.00	19.84	313.92	1,583.86	95.88	-99.54	138.21	0.00	0.00	0.00	
1,700.00	19.84	313.92	1,677.92	119.42	-123.98	172.14	0.00	0.00	0.00	
1,800.00	19.84	313.92	1,771.99	142.96	-148.43	206.08	0.00	0.00	0.00	
1,900.00	19.84	313.92	1,866.05	166.50	-172.87	240.01	0.00	0.00	0.00	
2,000.00	19.84	313.92	1,960.12	190.04	-197.31	273.95	0.00	0.00	0.00	
2,100.00	19.84	313.92	2,054.18	213.58	-221.75	307.88	0.00	0.00	0.00	
2,200.00	19.84	313.92	2,148.25	237.13	-246.20	341.82	0.00	0.00	0.00	
2,300.00	19.84	313.92	2,242.32	260.67	-270.64	375.76	0.00	0.00	0.00	
2,400.00	19.84	313.92	2,336.38	284.21	-295.08	409.69	0.00	0.00	0.00	
2,500.00	19.84	313.92	2,430.45	307.75	-319.52	443.63	0.00	0.00	0.00	
2,600.00	19.84	313.92	2,524.51	331.29	-343.96	477.56	0.00	0.00	0.00	
2,700.00	19.84	313.92	2,618.58	354.83	-368.41	511.50	0.00	0.00	0.00	
2,800.00	19.84	313.92	2,712.64	378.38	-392.85	545.43	0.00	0.00	0.00	
2,900.00	19.84	313.92	2,806.71	401.92	-417.29	579.37	0.00	0.00	0.00	
3,000.00	19.84	313.92	2,900.78	425.46	-441.73	613.30	0.00	0.00	0.00	
3,100.00	19.84	313.92	2,994.84	449.00	-466.17	647.24	0.00	0.00	0.00	
3,200.00	19.84	313.92	3,088.91	472.54	-490.62	681.18	0.00	0.00	0.00	
3,300.00	19.84	313.92	3,182.97	496.08	-515.06	715.11	0.00	0.00	0.00	
3,400.00	19.84	313.92	3,277.04	519.63	-539.50	749.05	0.00	0.00	0.00	
3,500.00	19.84	313.92	3,371.11	543.17	-563.94	782.98	0.00	0.00	0.00	
3,600.00	19.84	313.92	3,465.17	566.71	-588.39	816.92	0.00	0.00	0.00	
3,700.00	19.84	313.92	3,559.24	590.25	-612.83	850.85	0.00	0.00	0.00	
3,800.00	19.84	313.92	3,653.30	613.79	-637.27	884.79	0.00	0.00	0.00	
3,900.00	19.84	313.92	3,747.37	637.33	-661.71	918.73	0.00	0.00	0.00	
4,000.00	19.84	313.92	3,841.43	660.88	-686.15	952.66	0.00	0.00	0.00	
4,100.00	19.84	313.92	3,935.50	684.42	-710.60	986.60	0.00	0.00	0.00	
4,200.00	19.84	313.92	4,029.57	707.96	-735.04	1,020.53	0.00	0.00	0.00	
4,300.00	19.84	313.92	4,123.63	731.50	-759.48	1,054.47	0.00	0.00	0.00	
4,400.00	19.84	313.92	4,217.70	755.04	-783.92	1,088.40	0.00	0.00	0.00	
4,500.00	19.84	313.92	4,311.76	778.58	-808.36	1,122.34	0.00	0.00	0.00	
4,595.66	19.84	313.92	4,401.75	801.11	-831.75	1,154.80	0.00	0.00	0.00	
4,600.00	19.77	313.92	4,405.83	802.12	-832.80	1,156.27	1.50	-1.50	0.00	
4,700.00	18.27	313.92	4,500.37	824.73	-856.28	1,188.87	1.50	-1.50	0.00	
4,800.00	16.77	313.92	4,595.72	845.62	-877.97	1,218.97	1.50	-1.50	0.00	
4,900.00	15.27	313.92	4,691.84	864.77	-897.84	1,246.57	1.50	-1.50	0.00	
5,000.00	13.77	313.92	4,788.64	882.16	-915.91	1,271.65	1.50	-1.50	0.00	

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Site:	Dixon SWNW-23-692	North Reference:	True
Well:	Dixon Federal 41C-22-692	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)
5,100.00	12.27	313.92	4,886.06	897.79	-932.13	1,294.18	1.50	-1.50	0.00
5,200.00	10.77	313.92	4,984.04	911.65	-946.52	1,314.16	1.50	-1.50	0.00
5,300.00	9.27	313.92	5,082.52	923.72	-959.06	1,331.56	1.50	-1.50	0.00
5,400.00	7.77	313.92	5,181.41	934.01	-969.73	1,346.38	1.50	-1.50	0.00
5,500.00	6.27	313.92	5,280.66	942.49	-978.54	1,358.61	1.50	-1.50	0.00
5,600.00	4.77	313.92	5,380.19	949.16	-985.47	1,368.23	1.50	-1.50	0.00
5,700.00	3.27	313.92	5,479.94	954.03	-990.52	1,375.25	1.50	-1.50	0.00
5,800.00	1.77	313.92	5,579.84	957.08	-993.69	1,379.65	1.50	-1.50	0.00
5,900.00	0.27	313.92	5,679.82	958.32	-994.98	1,381.43	1.50	-1.50	0.00
5,918.18	0.00	0.00	5,698.00	958.35	-995.01	1,381.48	1.50	-1.50	0.00
6,000.00	0.00	0.00	5,779.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,100.00	0.00	0.00	5,879.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,200.00	0.00	0.00	5,979.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,300.00	0.00	0.00	6,079.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,400.00	0.00	0.00	6,179.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,500.00	0.00	0.00	6,279.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,600.00	0.00	0.00	6,379.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,700.00	0.00	0.00	6,479.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,800.00	0.00	0.00	6,579.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
6,900.00	0.00	0.00	6,679.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,000.00	0.00	0.00	6,779.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,100.00	0.00	0.00	6,879.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,200.00	0.00	0.00	6,979.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,300.00	0.00	0.00	7,079.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,400.00	0.00	0.00	7,179.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,500.00	0.00	0.00	7,279.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,600.00	0.00	0.00	7,379.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,700.00	0.00	0.00	7,479.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,800.00	0.00	0.00	7,579.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,900.00	0.00	0.00	7,679.82	958.35	-995.01	1,381.48	0.00	0.00	0.00
7,918.18	0.00	0.00	7,698.00	958.35	-995.01	1,381.48	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
790.00	790.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,911.30	3,758.00	Mesaverde		0.00	
4,885.65	4,678.00	Price Coal		0.00	
5,668.00	5,448.00	Top Gas		0.00	
7,618.18	7,398.00	Rollins		0.00	
7,918.18	7,698.00	TD		0.00	

Bill Barrett Corp
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Dixon Federal 41C-22-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5815.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5815.00ft (Original Well Elev)
Site:	Dixon SWNW-23-692	North Reference:	True
Well:	Dixon Federal 41C-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

WELL DETAILS: Dixon Federal 41C-22-692

+N/-S	+E/-W	Northing	Easting	Ground Level: 0.00	Latitude	Longitude	Slot
0.00	0.00	1619870.040	2395593.733	39° 30' 56.718 N	107° 38' 33.2232 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	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
3	1593.51	19.84	313.92	1577.75	94.35	-97.96	2.50	313.92	136.00	
4	4595.66	19.84	313.92	4401.75	801.11	-831.75	0.00	0.00	1154.80	
5	5918.18	0.00	0.00	5698.00	958.35	-995.01	1.50	180.00	1381.48	
6	7918.18	0.00	0.00	7698.00	958.35	-995.01	0.00	0.00	1381.48	Dixon Federal 41C-22-692 (TD)

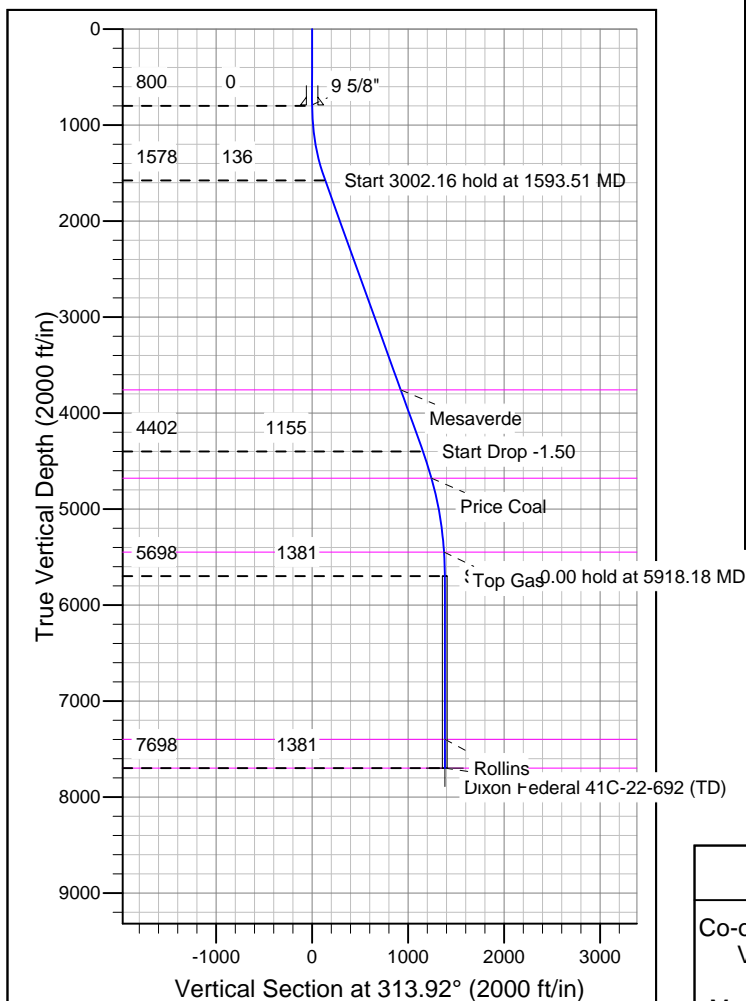
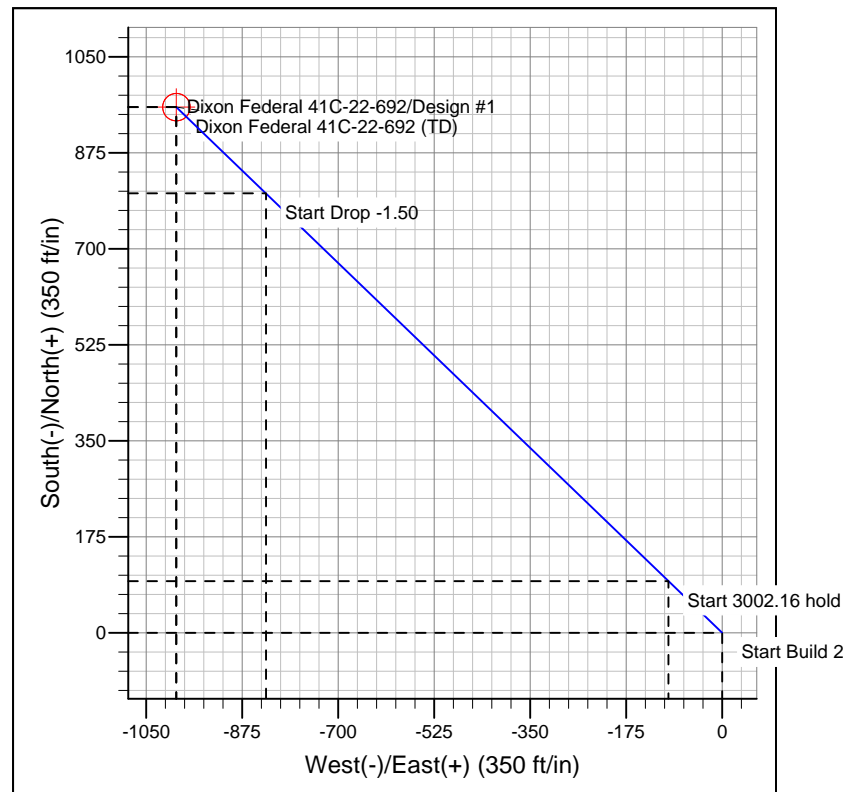
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Dixon Federal 41C-22-692 (TD)	7698.00	958.35	-995.01	Circle (Radius: 25.00)



Azimuths to True North
Magnetic North: 10.36°

Magnetic Field
Strength: 52483.2snT
Dip Angle: 65.87°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3758.00	3911.30	Mesaverde
4678.00	4885.65	Price Coal
5448.00	5668.00	Top Gas
7398.00	7618.18	Rollins
7698.00	7918.18	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Dixon Federal 41C-22-692, True North
Vertical (TVD) Reference: WELL @ 5815.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 5815.00ft (Original Well Elev)
Calculation Method: Minimum Curvature