

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Dixon SWNW-23-692

Dixon Federal 42C-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 42C-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 42C-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 42C-22-692		
Well Position	+N/-S	-522.33 ft	Northing:
	+E/-W	46.27 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 56.617 N
			Longitude:
			107° 38' 33.3204 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	250.48

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	
1,366.44	14.16	250.48	1,360.69	-23.28	-65.64	2.50	2.50	0.00	250.48	
4,834.65	14.16	250.48	4,723.51	-306.85	-865.34	0.00	0.00	0.00	0.00	
5,778.72	0.00	0.00	5,658.00	-345.64	-974.74	1.50	-1.50	0.00	180.00	
7,778.72	0.00	0.00	7,658.00	-345.64	-974.74	0.00	0.00	0.00	0.00	Dixon Federal 42C-

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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 42C-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	250.48	899.97	-0.73	-2.06	2.18	2.50	2.50	0.00	
1,000.00	5.00	250.48	999.75	-2.91	-8.22	8.72	2.50	2.50	0.00	
1,100.00	7.50	250.48	1,099.14	-6.55	-18.48	19.61	2.50	2.50	0.00	
1,200.00	10.00	250.48	1,197.97	-11.64	-32.82	34.82	2.50	2.50	0.00	
1,300.00	12.50	250.48	1,296.04	-18.16	-51.20	54.33	2.50	2.50	0.00	
1,366.44	14.16	250.48	1,360.69	-23.28	-65.64	69.64	2.50	2.50	0.00	
1,400.00	14.16	250.48	1,393.23	-26.02	-73.38	77.85	0.00	0.00	0.00	
1,500.00	14.16	250.48	1,490.19	-34.20	-96.44	102.32	0.00	0.00	0.00	
1,600.00	14.16	250.48	1,587.15	-42.37	-119.49	126.78	0.00	0.00	0.00	
1,700.00	14.16	250.48	1,684.11	-50.55	-142.55	151.25	0.00	0.00	0.00	
1,800.00	14.16	250.48	1,781.08	-58.72	-165.61	175.71	0.00	0.00	0.00	
1,900.00	14.16	250.48	1,878.04	-66.90	-188.67	200.18	0.00	0.00	0.00	
2,000.00	14.16	250.48	1,975.00	-75.08	-211.73	224.64	0.00	0.00	0.00	
2,100.00	14.16	250.48	2,071.96	-83.25	-234.78	249.11	0.00	0.00	0.00	
2,200.00	14.16	250.48	2,168.92	-91.43	-257.84	273.57	0.00	0.00	0.00	
2,300.00	14.16	250.48	2,265.88	-99.61	-280.90	298.04	0.00	0.00	0.00	
2,400.00	14.16	250.48	2,362.84	-107.78	-303.96	322.50	0.00	0.00	0.00	
2,500.00	14.16	250.48	2,459.80	-115.96	-327.02	346.97	0.00	0.00	0.00	
2,600.00	14.16	250.48	2,556.77	-124.13	-350.08	371.43	0.00	0.00	0.00	
2,700.00	14.16	250.48	2,653.73	-132.31	-373.13	395.90	0.00	0.00	0.00	
2,800.00	14.16	250.48	2,750.69	-140.49	-396.19	420.36	0.00	0.00	0.00	
2,900.00	14.16	250.48	2,847.65	-148.66	-419.25	444.83	0.00	0.00	0.00	
3,000.00	14.16	250.48	2,944.61	-156.84	-442.31	469.29	0.00	0.00	0.00	
3,100.00	14.16	250.48	3,041.57	-165.02	-465.37	493.76	0.00	0.00	0.00	
3,200.00	14.16	250.48	3,138.53	-173.19	-488.42	518.22	0.00	0.00	0.00	
3,300.00	14.16	250.48	3,235.49	-181.37	-511.48	542.69	0.00	0.00	0.00	
3,400.00	14.16	250.48	3,332.45	-189.54	-534.54	567.15	0.00	0.00	0.00	
3,500.00	14.16	250.48	3,429.42	-197.72	-557.60	591.62	0.00	0.00	0.00	
3,600.00	14.16	250.48	3,526.38	-205.90	-580.66	616.08	0.00	0.00	0.00	
3,700.00	14.16	250.48	3,623.34	-214.07	-603.71	640.55	0.00	0.00	0.00	
3,800.00	14.16	250.48	3,720.30	-222.25	-626.77	665.01	0.00	0.00	0.00	
3,900.00	14.16	250.48	3,817.26	-230.43	-649.83	689.48	0.00	0.00	0.00	
4,000.00	14.16	250.48	3,914.22	-238.60	-672.89	713.94	0.00	0.00	0.00	
4,100.00	14.16	250.48	4,011.18	-246.78	-695.95	738.41	0.00	0.00	0.00	
4,200.00	14.16	250.48	4,108.14	-254.96	-719.01	762.87	0.00	0.00	0.00	
4,300.00	14.16	250.48	4,205.11	-263.13	-742.06	787.34	0.00	0.00	0.00	
4,400.00	14.16	250.48	4,302.07	-271.31	-765.12	811.80	0.00	0.00	0.00	
4,500.00	14.16	250.48	4,399.03	-279.48	-788.18	836.26	0.00	0.00	0.00	
4,600.00	14.16	250.48	4,495.99	-287.66	-811.24	860.73	0.00	0.00	0.00	
4,700.00	14.16	250.48	4,592.95	-295.84	-834.30	885.19	0.00	0.00	0.00	
4,800.00	14.16	250.48	4,689.91	-304.01	-857.35	909.66	0.00	0.00	0.00	
4,834.65	14.16	250.48	4,723.51	-306.85	-865.34	918.14	0.00	0.00	0.00	
4,900.00	13.18	250.48	4,787.01	-312.01	-879.90	933.58	1.50	-1.50	0.00	
5,000.00	11.68	250.48	4,884.66	-319.20	-900.19	955.11	1.50	-1.50	0.00	

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Site:	Dixon SWNW-23-692	North Reference:	True
Well:	Dixon Federal 42C-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	10.18	250.48	4,982.84	-325.54	-918.06	974.07	1.50	-1.50	0.00
5,200.00	8.68	250.48	5,081.49	-331.01	-933.50	990.45	1.50	-1.50	0.00
5,300.00	7.18	250.48	5,180.53	-335.63	-946.51	1,004.25	1.50	-1.50	0.00
5,400.00	5.68	250.48	5,279.90	-339.37	-957.06	1,015.45	1.50	-1.50	0.00
5,500.00	4.18	250.48	5,379.52	-342.24	-965.16	1,024.05	1.50	-1.50	0.00
5,600.00	2.68	250.48	5,479.34	-344.24	-970.80	1,030.03	1.50	-1.50	0.00
5,700.00	1.18	250.48	5,579.28	-345.37	-973.98	1,033.40	1.50	-1.50	0.00
5,778.72	0.00	0.00	5,658.00	-345.64	-974.74	1,034.21	1.50	-1.50	0.00
5,800.00	0.00	0.00	5,679.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
5,900.00	0.00	0.00	5,779.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,000.00	0.00	0.00	5,879.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,100.00	0.00	0.00	5,979.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,200.00	0.00	0.00	6,079.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,300.00	0.00	0.00	6,179.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,400.00	0.00	0.00	6,279.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,500.00	0.00	0.00	6,379.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,600.00	0.00	0.00	6,479.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,700.00	0.00	0.00	6,579.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,800.00	0.00	0.00	6,679.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
6,900.00	0.00	0.00	6,779.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,000.00	0.00	0.00	6,879.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,100.00	0.00	0.00	6,979.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,200.00	0.00	0.00	7,079.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,300.00	0.00	0.00	7,179.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,400.00	0.00	0.00	7,279.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,500.00	0.00	0.00	7,379.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,600.00	0.00	0.00	7,479.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,700.00	0.00	0.00	7,579.28	-345.64	-974.74	1,034.21	0.00	0.00	0.00
7,778.72	0.00	0.00	7,658.00	-345.64	-974.74	1,034.21	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 (°)
3,797.63	3,718.00	Mesaverde		0.00	
4,746.46	4,638.00	Price Coal		0.00	
5,498.47	5,378.00	Top Gas		0.00	
7,478.72	7,358.00	Rollins		0.00	
7,778.72	7,658.00	TD		0.00	

WELL DETAILS: Dixon Federal 42C-22-692

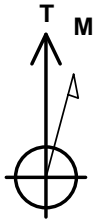
+N/-S	+E/-W	Northing	Easting	Ground Level: 0.00	Latitude	Longitude	Slot
0.00	0.00	1619860.024	2395585.878	39° 30' 56.617 N	107° 38' 33.3204 W		

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	1366.44	14.16	250.48	1360.69	-23.28	-65.64	2.50	250.48	69.64	
4	4834.65	14.16	250.48	4723.51	-306.85	-865.34	0.00	0.00	918.14	
5	5778.72	0.00	0.00	5658.00	-345.64	-974.74	1.50	180.00	1034.21	
6	7778.72	0.00	0.00	7658.00	-345.64	-974.74	0.00	0.00	1034.21	Dixon Federal 42C-22-692 (TD)

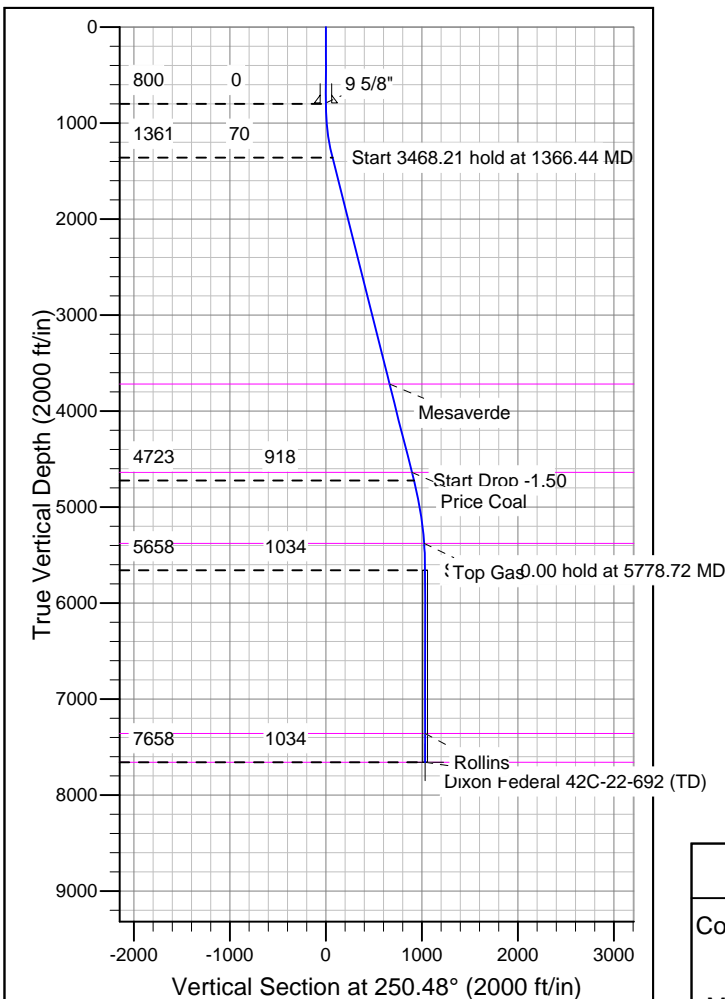
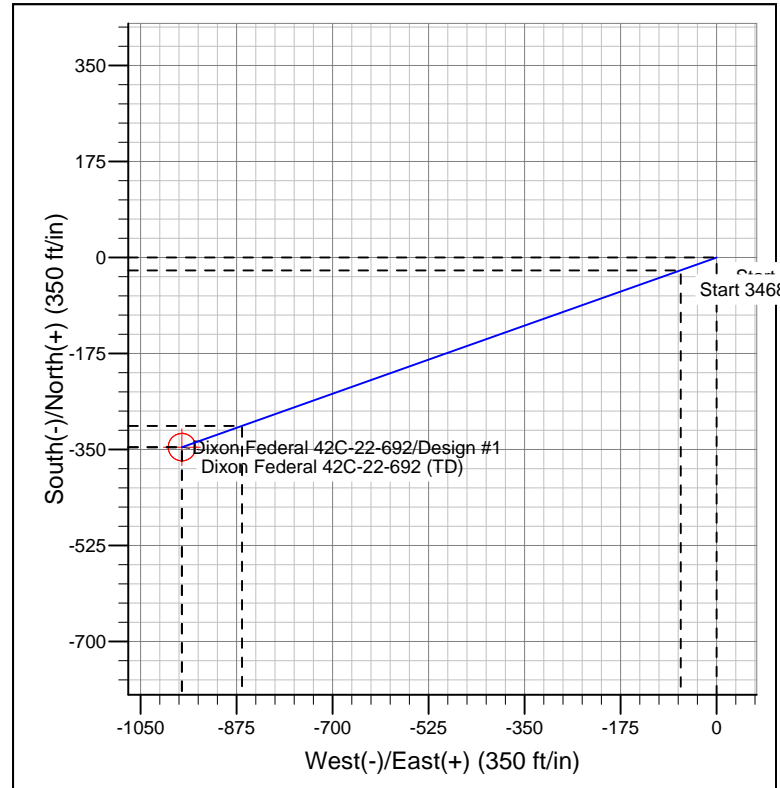
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Dixon Federal 42C-22-692 (TD)	7658.00	-345.64	-974.74	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
3718.00	3797.63	Mesaverde
4638.00	4746.46	Price Coal
5378.00	5498.47	Top Gas
7358.00	7478.72	Rollins
7658.00	7778.72	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Dixon Federal 42C-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