

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Dixon SWNW-23-692

Dixon Federal 12C-23-692

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 12C-23-692
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 12C-23-692	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 12C-23-692		
Well Position	+N/-S	-521.24 ft	Northing:
	+E/-W	86.33 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 56.628 N
			Longitude:
			107° 38' 32.8092 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	139.11

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	
1,034.39	5.86	139.11	1,033.98	-9.05	7.84	2.50	2.50	0.00	139.11	
5,280.63	5.86	139.11	5,258.04	-336.76	291.63	0.00	0.00	0.00	0.00	
5,671.28	0.00	0.00	5,648.00	-351.85	304.70	1.50	-1.50	0.00	180.00	
7,671.28	0.00	0.00	7,648.00	-351.85	304.70	0.00	0.00	0.00	0.00	Dixon Federal 12C-

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Site:	Dixon SWNW-23-692	North Reference:	True
Well:	Dixon Federal 12C-23-692	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	139.11	899.97	-1.65	1.43	2.18	2.50	2.50	0.00	
1,000.00	5.00	139.11	999.75	-6.59	5.71	8.72	2.50	2.50	0.00	
1,034.39	5.86	139.11	1,033.98	-9.05	7.84	11.98	2.50	2.50	0.00	
1,100.00	5.86	139.11	1,099.25	-14.12	12.22	18.67	0.00	0.00	0.00	
1,200.00	5.86	139.11	1,198.73	-21.83	18.91	28.88	0.00	0.00	0.00	
1,300.00	5.86	139.11	1,298.20	-29.55	25.59	39.09	0.00	0.00	0.00	
1,400.00	5.86	139.11	1,397.68	-37.27	32.27	49.30	0.00	0.00	0.00	
1,500.00	5.86	139.11	1,497.16	-44.99	38.96	59.51	0.00	0.00	0.00	
1,600.00	5.86	139.11	1,596.64	-52.70	45.64	69.72	0.00	0.00	0.00	
1,700.00	5.86	139.11	1,696.11	-60.42	52.32	79.93	0.00	0.00	0.00	
1,800.00	5.86	139.11	1,795.59	-68.14	59.01	90.14	0.00	0.00	0.00	
1,900.00	5.86	139.11	1,895.07	-75.86	65.69	100.35	0.00	0.00	0.00	
2,000.00	5.86	139.11	1,994.55	-83.57	72.37	110.56	0.00	0.00	0.00	
2,100.00	5.86	139.11	2,094.02	-91.29	79.06	120.77	0.00	0.00	0.00	
2,200.00	5.86	139.11	2,193.50	-99.01	85.74	130.98	0.00	0.00	0.00	
2,300.00	5.86	139.11	2,292.98	-106.73	92.42	141.18	0.00	0.00	0.00	
2,400.00	5.86	139.11	2,392.46	-114.44	99.11	151.39	0.00	0.00	0.00	
2,500.00	5.86	139.11	2,491.93	-122.16	105.79	161.60	0.00	0.00	0.00	
2,600.00	5.86	139.11	2,591.41	-129.88	112.47	171.81	0.00	0.00	0.00	
2,700.00	5.86	139.11	2,690.89	-137.60	119.16	182.02	0.00	0.00	0.00	
2,800.00	5.86	139.11	2,790.37	-145.32	125.84	192.23	0.00	0.00	0.00	
2,900.00	5.86	139.11	2,889.84	-153.03	132.52	202.44	0.00	0.00	0.00	
3,000.00	5.86	139.11	2,989.32	-160.75	139.21	212.65	0.00	0.00	0.00	
3,100.00	5.86	139.11	3,088.80	-168.47	145.89	222.86	0.00	0.00	0.00	
3,200.00	5.86	139.11	3,188.28	-176.19	152.57	233.07	0.00	0.00	0.00	
3,300.00	5.86	139.11	3,287.75	-183.90	159.26	243.28	0.00	0.00	0.00	
3,400.00	5.86	139.11	3,387.23	-191.62	165.94	253.49	0.00	0.00	0.00	
3,500.00	5.86	139.11	3,486.71	-199.34	172.62	263.70	0.00	0.00	0.00	
3,600.00	5.86	139.11	3,586.19	-207.06	179.31	273.90	0.00	0.00	0.00	
3,700.00	5.86	139.11	3,685.66	-214.77	185.99	284.11	0.00	0.00	0.00	
3,800.00	5.86	139.11	3,785.14	-222.49	192.67	294.32	0.00	0.00	0.00	
3,900.00	5.86	139.11	3,884.62	-230.21	199.36	304.53	0.00	0.00	0.00	
4,000.00	5.86	139.11	3,984.10	-237.93	206.04	314.74	0.00	0.00	0.00	
4,100.00	5.86	139.11	4,083.57	-245.64	212.72	324.95	0.00	0.00	0.00	
4,200.00	5.86	139.11	4,183.05	-253.36	219.41	335.16	0.00	0.00	0.00	
4,300.00	5.86	139.11	4,282.53	-261.08	226.09	345.37	0.00	0.00	0.00	
4,400.00	5.86	139.11	4,382.01	-268.80	232.77	355.58	0.00	0.00	0.00	
4,500.00	5.86	139.11	4,481.48	-276.51	239.46	365.79	0.00	0.00	0.00	
4,600.00	5.86	139.11	4,580.96	-284.23	246.14	376.00	0.00	0.00	0.00	
4,700.00	5.86	139.11	4,680.44	-291.95	252.82	386.21	0.00	0.00	0.00	
4,800.00	5.86	139.11	4,779.92	-299.67	259.51	396.42	0.00	0.00	0.00	
4,900.00	5.86	139.11	4,879.39	-307.38	266.19	406.62	0.00	0.00	0.00	
5,000.00	5.86	139.11	4,978.87	-315.10	272.87	416.83	0.00	0.00	0.00	
5,100.00	5.86	139.11	5,078.35	-322.82	279.56	427.04	0.00	0.00	0.00	

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Well:	Dixon Federal 12C-23-692	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)
5,200.00	5.86	139.11	5,177.83	-330.54	286.24	437.25	0.00	0.00	0.00
5,280.63	5.86	139.11	5,258.04	-336.76	291.63	445.48	0.00	0.00	0.00
5,300.00	5.57	139.11	5,277.31	-338.22	292.89	447.41	1.50	-1.50	0.00
5,400.00	4.07	139.11	5,376.95	-344.57	298.39	455.81	1.50	-1.50	0.00
5,500.00	2.57	139.11	5,476.78	-348.95	302.18	461.60	1.50	-1.50	0.00
5,600.00	1.07	139.11	5,576.73	-351.34	304.26	464.78	1.50	-1.50	0.00
5,671.28	0.00	0.00	5,648.00	-351.85	304.70	465.44	1.50	-1.50	0.00
5,700.00	0.00	0.00	5,676.72	-351.85	304.70	465.44	0.00	0.00	0.00
5,800.00	0.00	0.00	5,776.72	-351.85	304.70	465.44	0.00	0.00	0.00
5,900.00	0.00	0.00	5,876.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,000.00	0.00	0.00	5,976.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,100.00	0.00	0.00	6,076.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,200.00	0.00	0.00	6,176.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,300.00	0.00	0.00	6,276.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,400.00	0.00	0.00	6,376.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,500.00	0.00	0.00	6,476.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,600.00	0.00	0.00	6,576.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,700.00	0.00	0.00	6,676.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,800.00	0.00	0.00	6,776.72	-351.85	304.70	465.44	0.00	0.00	0.00
6,900.00	0.00	0.00	6,876.72	-351.85	304.70	465.44	0.00	0.00	0.00
7,000.00	0.00	0.00	6,976.72	-351.85	304.70	465.44	0.00	0.00	0.00
7,100.00	0.00	0.00	7,076.72	-351.85	304.70	465.44	0.00	0.00	0.00
7,200.00	0.00	0.00	7,176.72	-351.85	304.70	465.44	0.00	0.00	0.00
7,300.00	0.00	0.00	7,276.72	-351.85	304.70	465.44	0.00	0.00	0.00
7,400.00	0.00	0.00	7,376.72	-351.85	304.70	465.44	0.00	0.00	0.00
7,500.00	0.00	0.00	7,476.72	-351.85	304.70	465.44	0.00	0.00	0.00
7,600.00	0.00	0.00	7,576.72	-351.85	304.70	465.44	0.00	0.00	0.00
7,671.28	0.00	0.00	7,648.00	-351.85	304.70	465.44	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
780.00	780.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,732.51	3,718.00	Mesaverde		0.00	
4,647.29	4,628.00	Price Coal		0.00	
5,401.05	5,378.00	Top Gas		0.00	
7,371.28	7,348.00	Rollins		0.00	
7,671.28	7,648.00	TD		0.00	

WELL DETAILS: Dixon Federal 12C-23-692

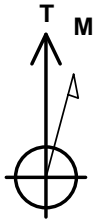
+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1619860.171	2395625.953	0.00	39° 30' 56.628 N	107° 38' 32.8092 W	

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	1034.39	5.86	139.11	1033.98	-9.05	7.84	2.50	139.11	11.98	
4	5280.63	5.86	139.11	5258.04	-336.76	291.63	0.00	0.00	445.48	
5	5671.28	0.00	0.00	5648.00	-351.85	304.70	1.50	180.00	465.44	
6	7671.28	0.00	0.00	7648.00	-351.85	304.70	0.00	0.00	465.44	Dixon Federal 12C-23-692 (TD)

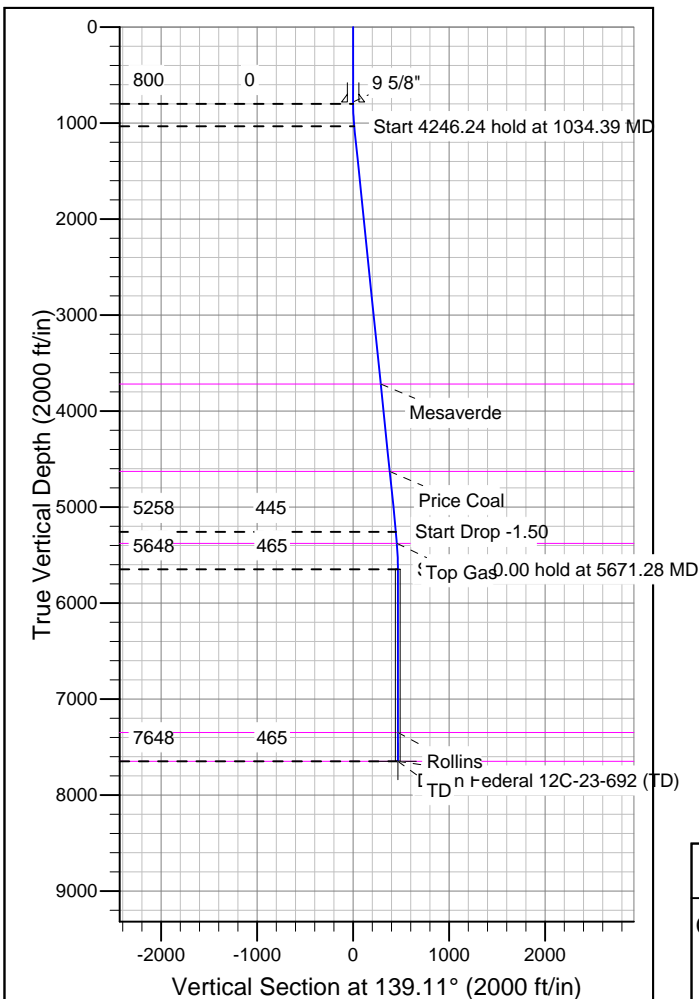
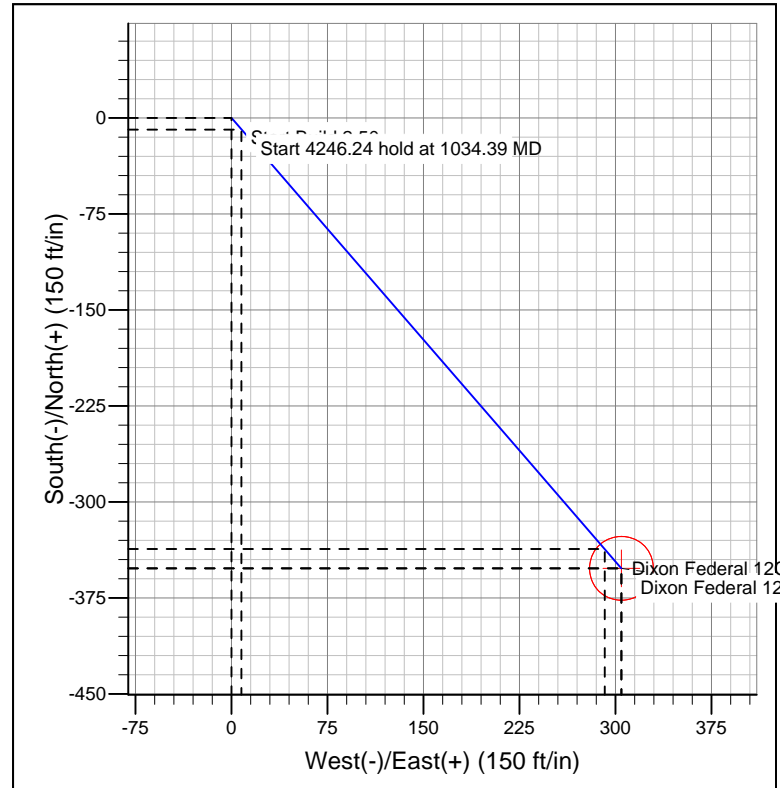
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Dixon Federal 12C-23-692 (TD)	7648.00	-351.85	304.70	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	3732.51	Mesaverde
4628.00	4647.29	Price Coal
5378.00	5401.05	Top Gas
7348.00	7371.28	Rollins
7648.00	7671.28	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Dixon Federal 12C-23-692, 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