

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Dixon SWNW-23-692

Dixon Federal 11D-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 11D-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 11D-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 11D-23-692		
Well Position	+N/-S	-511.77 ft	Northing:
	+E/-W	69.96 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 56.721 N
			Longitude:
			107° 38' 33.0180 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	13.36

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	
1,553.89	18.85	13.36	1,540.37	119.56	28.40	2.50	2.50	0.00	13.36	
4,643.21	18.85	13.36	4,464.05	1,090.53	259.04	0.00	0.00	0.00	0.00	
5,899.70	0.00	0.00	5,698.00	1,289.79	306.37	1.50	-1.50	0.00	180.00	
7,899.70	0.00	0.00	7,698.00	1,289.79	306.37	0.00	0.00	0.00	0.00	Dixon Federal 11D-

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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 11D-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	13.36	899.97	2.12	0.50	2.18	2.50	2.50	0.00	
1,000.00	5.00	13.36	999.75	8.49	2.02	8.72	2.50	2.50	0.00	
1,100.00	7.50	13.36	1,099.14	19.08	4.53	19.61	2.50	2.50	0.00	
1,200.00	10.00	13.36	1,197.97	33.88	8.05	34.82	2.50	2.50	0.00	
1,300.00	12.50	13.36	1,296.04	52.85	12.55	54.33	2.50	2.50	0.00	
1,400.00	15.00	13.36	1,393.17	75.98	18.05	78.09	2.50	2.50	0.00	
1,500.00	17.50	13.36	1,489.17	103.20	24.51	106.07	2.50	2.50	0.00	
1,553.89	18.85	13.36	1,540.37	119.56	28.40	122.88	2.50	2.50	0.00	
1,600.00	18.85	13.36	1,584.01	134.05	31.84	137.78	0.00	0.00	0.00	
1,700.00	18.85	13.36	1,678.64	165.48	39.31	170.08	0.00	0.00	0.00	
1,800.00	18.85	13.36	1,773.28	196.91	46.77	202.39	0.00	0.00	0.00	
1,900.00	18.85	13.36	1,867.92	228.34	54.24	234.69	0.00	0.00	0.00	
2,000.00	18.85	13.36	1,962.56	259.77	61.70	267.00	0.00	0.00	0.00	
2,100.00	18.85	13.36	2,057.20	291.20	69.17	299.30	0.00	0.00	0.00	
2,200.00	18.85	13.36	2,151.83	322.63	76.63	331.60	0.00	0.00	0.00	
2,300.00	18.85	13.36	2,246.47	354.06	84.10	363.91	0.00	0.00	0.00	
2,400.00	18.85	13.36	2,341.11	385.49	91.57	396.21	0.00	0.00	0.00	
2,500.00	18.85	13.36	2,435.75	416.92	99.03	428.52	0.00	0.00	0.00	
2,600.00	18.85	13.36	2,530.39	448.35	106.50	460.82	0.00	0.00	0.00	
2,700.00	18.85	13.36	2,625.03	479.78	113.96	493.13	0.00	0.00	0.00	
2,800.00	18.85	13.36	2,719.66	511.21	121.43	525.43	0.00	0.00	0.00	
2,900.00	18.85	13.36	2,814.30	542.64	128.89	557.74	0.00	0.00	0.00	
3,000.00	18.85	13.36	2,908.94	574.07	136.36	590.04	0.00	0.00	0.00	
3,100.00	18.85	13.36	3,003.58	605.50	143.83	622.35	0.00	0.00	0.00	
3,200.00	18.85	13.36	3,098.22	636.93	151.29	654.65	0.00	0.00	0.00	
3,300.00	18.85	13.36	3,192.86	668.36	158.76	686.96	0.00	0.00	0.00	
3,400.00	18.85	13.36	3,287.49	699.79	166.22	719.26	0.00	0.00	0.00	
3,500.00	18.85	13.36	3,382.13	731.22	173.69	751.57	0.00	0.00	0.00	
3,600.00	18.85	13.36	3,476.77	762.65	181.16	783.87	0.00	0.00	0.00	
3,700.00	18.85	13.36	3,571.41	794.08	188.62	816.18	0.00	0.00	0.00	
3,800.00	18.85	13.36	3,666.05	825.51	196.09	848.48	0.00	0.00	0.00	
3,900.00	18.85	13.36	3,760.69	856.94	203.55	880.79	0.00	0.00	0.00	
4,000.00	18.85	13.36	3,855.32	888.37	211.02	913.09	0.00	0.00	0.00	
4,100.00	18.85	13.36	3,949.96	919.80	218.48	945.40	0.00	0.00	0.00	
4,200.00	18.85	13.36	4,044.60	951.23	225.95	977.70	0.00	0.00	0.00	
4,300.00	18.85	13.36	4,139.24	982.66	233.42	1,010.00	0.00	0.00	0.00	
4,400.00	18.85	13.36	4,233.88	1,014.09	240.88	1,042.31	0.00	0.00	0.00	
4,500.00	18.85	13.36	4,328.52	1,045.52	248.35	1,074.61	0.00	0.00	0.00	
4,600.00	18.85	13.36	4,423.15	1,076.95	255.81	1,106.92	0.00	0.00	0.00	
4,643.21	18.85	13.36	4,464.05	1,090.53	259.04	1,120.88	0.00	0.00	0.00	
4,700.00	18.00	13.36	4,517.93	1,107.99	263.19	1,138.82	1.50	-1.50	0.00	
4,800.00	16.50	13.36	4,613.43	1,136.84	270.04	1,168.47	1.50	-1.50	0.00	
4,900.00	15.00	13.36	4,709.67	1,163.24	276.31	1,195.61	1.50	-1.50	0.00	
5,000.00	13.50	13.36	4,806.59	1,187.18	281.99	1,220.21	1.50	-1.50	0.00	

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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 11D-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)
5,100.00	12.00	13.36	4,904.13	1,208.64	287.09	1,242.27	1.50	-1.50	0.00
5,200.00	10.50	13.36	5,002.21	1,227.62	291.60	1,261.77	1.50	-1.50	0.00
5,300.00	9.00	13.36	5,100.76	1,244.09	295.51	1,278.70	1.50	-1.50	0.00
5,400.00	7.50	13.36	5,199.72	1,258.04	298.83	1,293.04	1.50	-1.50	0.00
5,500.00	6.00	13.36	5,299.03	1,269.47	301.54	1,304.79	1.50	-1.50	0.00
5,600.00	4.50	13.36	5,398.61	1,278.36	303.65	1,313.93	1.50	-1.50	0.00
5,700.00	3.00	13.36	5,498.39	1,284.72	305.16	1,320.46	1.50	-1.50	0.00
5,800.00	1.50	13.36	5,598.31	1,288.53	306.07	1,324.38	1.50	-1.50	0.00
5,899.70	0.00	0.00	5,698.00	1,289.79	306.37	1,325.68	1.50	-1.50	0.00
5,900.00	0.00	0.00	5,698.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,000.00	0.00	0.00	5,798.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,100.00	0.00	0.00	5,898.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,200.00	0.00	0.00	5,998.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,300.00	0.00	0.00	6,098.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,400.00	0.00	0.00	6,198.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,500.00	0.00	0.00	6,298.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,600.00	0.00	0.00	6,398.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,700.00	0.00	0.00	6,498.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,800.00	0.00	0.00	6,598.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
6,900.00	0.00	0.00	6,698.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,000.00	0.00	0.00	6,798.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,100.00	0.00	0.00	6,898.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,200.00	0.00	0.00	6,998.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,300.00	0.00	0.00	7,098.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,400.00	0.00	0.00	7,198.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,500.00	0.00	0.00	7,298.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,600.00	0.00	0.00	7,398.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,700.00	0.00	0.00	7,498.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,800.00	0.00	0.00	7,598.30	1,289.79	306.37	1,325.68	0.00	0.00	0.00
7,899.70	0.00	0.00	7,698.00	1,289.79	306.37	1,325.68	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 (°)
3,907.73	3,768.00	Mesaverde		0.00
4,867.17	4,678.00	Price Coal		0.00
5,649.52	5,448.00	Top Gas		0.00
7,599.70	7,398.00	Rollins		0.00
7,899.70	7,698.00	TD		0.00

WELL DETAILS: Federal 11D-26-692

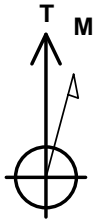
+N/-S	+E/-W	Northing	Easting	Ground Level: Latitude	Longitude	Slot
0.00	0.00	1614932.770	2396833.498	0.00 39° 30' 8.222 N 07° 38' 15.9252 W		

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	1591.25	19.78	314.70	1575.63	95.12	-96.13	2.50	314.70	135.24	
4	4600.48	19.78	314.70	4407.29	811.46	-820.03	0.00	0.00	1153.66	
5	5919.24	0.00	0.00	5700.00	970.01	-980.24	1.50	180.00	1379.05	
6	7919.24	0.00	0.00	7700.00	970.01	-980.24	0.00	0.00	1379.05	Carter 11D-26-692 (TD)

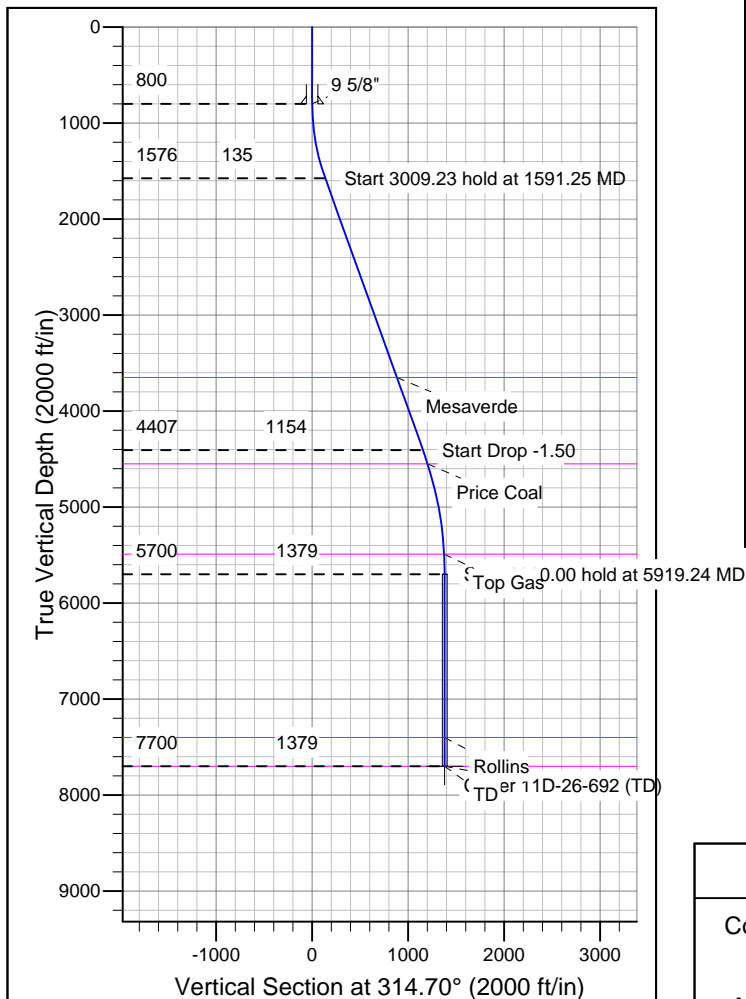
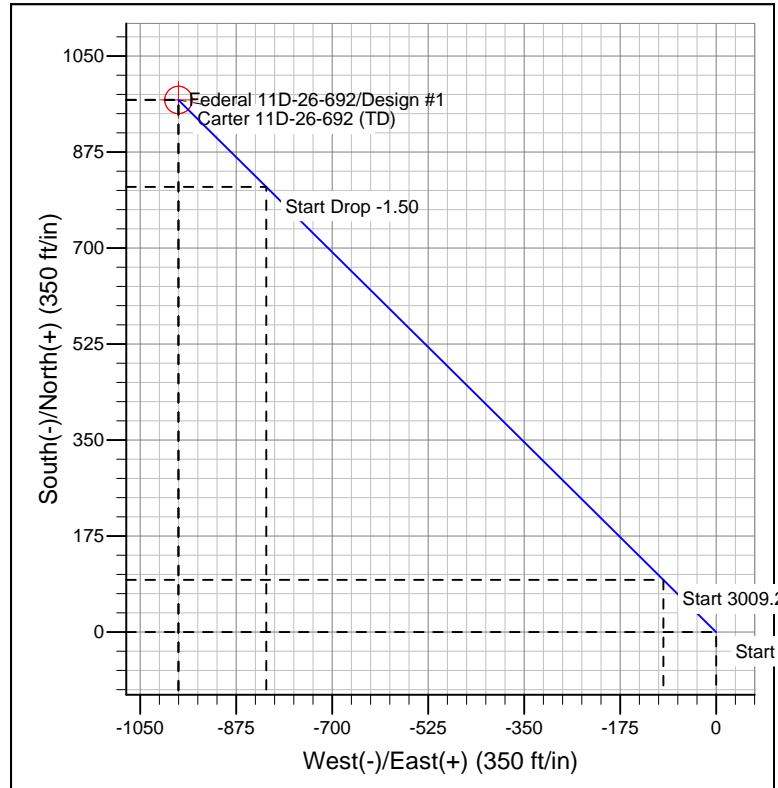
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Carter 11D-26-692 (TD)	7700.00	970.01	-980.24	Circle (Radius: 25.00)



Azimuths to True North
Magnetic North: 10.36°

Magnetic Field
Strength: 52474.5nT
Dip Angle: 65.86°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3650.00	3795.71	Mesaverde
4550.00	4751.12	Price Coal
5490.00	5709.13	Top Gas
7400.00	7619.24	Rollins
7700.00	7919.24	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 11D-26-692, True North
Vertical (TVD) Reference: WELL @ 6057.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 6057.00ft (Original Well Elev)
Calculation Method: Minimum Curvature