

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Dixon SENW-32D-23-692

Dixon Federal 32A-23-692

Wellbore #1

Plan: Design #1

Standard Planning Report

10 August, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Dixon Federal 32A-23-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5964.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5964.00ft (Original Well Elev)
Site:	Dixon SENW-32D-23-692	North Reference:	True
Well:	Dixon Federal 32A-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 SENW-32D-23-692		
Site Position:		Northing:	1,619,432.051 ft
From:	Lat/Long	Easting:	2,396,972.411 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 52.711 N
		Longitude:	107° 38' 15.5040 W
		Grid Convergence:	-1.35 °

Well	Dixon Federal 32A-23-692		
Well Position	+N/-S	-27.34 ft	Northing:
	+E/-W	769.64 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.36	65.87	52,482

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	125.72

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	
1,353.75	13.84	125.72	1,348.38	-38.87	54.05	2.50	2.50	0.00	125.72	
4,932.36	13.84	125.72	4,823.03	-538.75	749.26	0.00	0.00	0.00	0.00	
5,855.28	0.00	0.00	5,737.00	-603.53	839.35	1.50	-1.50	0.00	180.00	
7,855.28	0.00	0.00	7,737.00	-603.53	839.35	0.00	0.00	0.00	0.00	Dixon Federal 32A-

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5964.00ft (Original Well Elev)
Site:	Dixon SENW-32D-23-692	North Reference:	True
Well:	Dixon Federal 32A-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	125.72	899.97	-1.27	1.77	2.18	2.50	2.50	0.00	
1,000.00	5.00	125.72	999.75	-5.09	7.08	8.72	2.50	2.50	0.00	
1,100.00	7.50	125.72	1,099.14	-11.45	15.92	19.61	2.50	2.50	0.00	
1,200.00	10.00	125.72	1,197.97	-20.33	28.27	34.82	2.50	2.50	0.00	
1,300.00	12.50	125.72	1,296.04	-31.71	44.11	54.33	2.50	2.50	0.00	
1,353.75	13.84	125.72	1,348.38	-38.87	54.05	66.57	2.50	2.50	0.00	
1,400.00	13.84	125.72	1,393.28	-45.33	63.04	77.64	0.00	0.00	0.00	
1,500.00	13.84	125.72	1,490.38	-59.29	82.46	101.57	0.00	0.00	0.00	
1,600.00	13.84	125.72	1,587.47	-73.26	101.89	125.49	0.00	0.00	0.00	
1,700.00	13.84	125.72	1,684.57	-87.23	121.32	149.42	0.00	0.00	0.00	
1,800.00	13.84	125.72	1,781.66	-101.20	140.74	173.35	0.00	0.00	0.00	
1,900.00	13.84	125.72	1,878.76	-115.17	160.17	197.28	0.00	0.00	0.00	
2,000.00	13.84	125.72	1,975.86	-129.14	179.60	221.20	0.00	0.00	0.00	
2,100.00	13.84	125.72	2,072.95	-143.11	199.02	245.13	0.00	0.00	0.00	
2,200.00	13.84	125.72	2,170.05	-157.08	218.45	269.06	0.00	0.00	0.00	
2,300.00	13.84	125.72	2,267.14	-171.04	237.88	292.99	0.00	0.00	0.00	
2,400.00	13.84	125.72	2,364.24	-185.01	257.30	316.92	0.00	0.00	0.00	
2,500.00	13.84	125.72	2,461.33	-198.98	276.73	340.84	0.00	0.00	0.00	
2,600.00	13.84	125.72	2,558.43	-212.95	296.16	364.77	0.00	0.00	0.00	
2,700.00	13.84	125.72	2,655.52	-226.92	315.58	388.70	0.00	0.00	0.00	
2,800.00	13.84	125.72	2,752.62	-240.89	335.01	412.63	0.00	0.00	0.00	
2,900.00	13.84	125.72	2,849.71	-254.86	354.44	436.55	0.00	0.00	0.00	
3,000.00	13.84	125.72	2,946.81	-268.83	373.86	460.48	0.00	0.00	0.00	
3,100.00	13.84	125.72	3,043.90	-282.79	393.29	484.41	0.00	0.00	0.00	
3,200.00	13.84	125.72	3,141.00	-296.76	412.72	508.34	0.00	0.00	0.00	
3,300.00	13.84	125.72	3,238.09	-310.73	432.15	532.26	0.00	0.00	0.00	
3,400.00	13.84	125.72	3,335.19	-324.70	451.57	556.19	0.00	0.00	0.00	
3,500.00	13.84	125.72	3,432.28	-338.67	471.00	580.12	0.00	0.00	0.00	
3,600.00	13.84	125.72	3,529.38	-352.64	490.43	604.05	0.00	0.00	0.00	
3,700.00	13.84	125.72	3,626.47	-366.61	509.85	627.97	0.00	0.00	0.00	
3,800.00	13.84	125.72	3,723.57	-380.58	529.28	651.90	0.00	0.00	0.00	
3,900.00	13.84	125.72	3,820.66	-394.54	548.71	675.83	0.00	0.00	0.00	
4,000.00	13.84	125.72	3,917.76	-408.51	568.13	699.76	0.00	0.00	0.00	
4,100.00	13.84	125.72	4,014.85	-422.48	587.56	723.68	0.00	0.00	0.00	
4,200.00	13.84	125.72	4,111.95	-436.45	606.99	747.61	0.00	0.00	0.00	
4,300.00	13.84	125.72	4,209.04	-450.42	626.41	771.54	0.00	0.00	0.00	
4,400.00	13.84	125.72	4,306.14	-464.39	645.84	795.47	0.00	0.00	0.00	
4,500.00	13.84	125.72	4,403.23	-478.36	665.27	819.39	0.00	0.00	0.00	
4,600.00	13.84	125.72	4,500.33	-492.33	684.69	843.32	0.00	0.00	0.00	
4,700.00	13.84	125.72	4,597.43	-506.29	704.12	867.25	0.00	0.00	0.00	
4,800.00	13.84	125.72	4,694.52	-520.26	723.55	891.18	0.00	0.00	0.00	
4,900.00	13.84	125.72	4,791.62	-534.23	742.97	915.10	0.00	0.00	0.00	
4,932.36	13.84	125.72	4,823.03	-538.75	749.26	922.85	0.00	0.00	0.00	
5,000.00	12.83	125.72	4,888.85	-547.86	761.93	938.45	1.50	-1.50	0.00	

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5964.00ft (Original Well Elev)
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Well:	Dixon Federal 32A-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	11.33	125.72	4,986.63	-560.08	778.92	959.37	1.50	-1.50	0.00
5,200.00	9.83	125.72	5,084.93	-570.79	793.82	977.73	1.50	-1.50	0.00
5,300.00	8.33	125.72	5,183.68	-580.01	806.64	993.51	1.50	-1.50	0.00
5,400.00	6.83	125.72	5,282.80	-587.71	817.34	1,006.70	1.50	-1.50	0.00
5,500.00	5.33	125.72	5,382.23	-593.89	825.94	1,017.29	1.50	-1.50	0.00
5,600.00	3.83	125.72	5,481.91	-598.55	832.42	1,025.28	1.50	-1.50	0.00
5,700.00	2.33	125.72	5,581.76	-601.68	836.78	1,030.65	1.50	-1.50	0.00
5,800.00	0.83	125.72	5,681.72	-603.29	839.02	1,033.40	1.50	-1.50	0.00
5,855.28	0.00	0.00	5,737.00	-603.53	839.35	1,033.80	1.50	-1.50	0.00
5,900.00	0.00	0.00	5,781.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,000.00	0.00	0.00	5,881.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,100.00	0.00	0.00	5,981.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,200.00	0.00	0.00	6,081.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,300.00	0.00	0.00	6,181.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,400.00	0.00	0.00	6,281.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,500.00	0.00	0.00	6,381.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,600.00	0.00	0.00	6,481.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,700.00	0.00	0.00	6,581.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,800.00	0.00	0.00	6,681.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
6,900.00	0.00	0.00	6,781.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,000.00	0.00	0.00	6,881.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,100.00	0.00	0.00	6,981.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,200.00	0.00	0.00	7,081.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,300.00	0.00	0.00	7,181.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,400.00	0.00	0.00	7,281.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,500.00	0.00	0.00	7,381.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,600.00	0.00	0.00	7,481.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,700.00	0.00	0.00	7,581.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,800.00	0.00	0.00	7,681.72	-603.53	839.35	1,033.80	0.00	0.00	0.00
7,855.28	0.00	0.00	7,737.00	-603.53	839.35	1,033.80	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
800.00	800.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,896.23	3,817.00	Mesaverde		0.00	
4,843.75	4,737.00	Price Coal		0.00	
5,695.23	5,577.00	Top Gas		0.00	
7,555.28	7,437.00	Rollins		0.00	
7,855.28	7,737.00	TD		0.00	

WELL DETAILS: Dixon Federal 32A-23-692

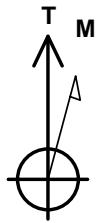
			Ground Level: 0.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1619386.635	2397741.195	39° 30' 52.441 N	107° 38' 5.6832 W	

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	1353.75	13.84	125.72	1348.38	-38.87	54.05	2.50	125.72	66.57	
4	4932.36	13.84	125.72	4823.03	-538.75	749.26	0.00	0.00	922.85	
5	5855.28	0.00	0.00	5737.00	-603.53	839.35	1.50	180.00	1033.80	
6	7855.28	0.00	0.00	7737.00	-603.53	839.35	0.00	0.00	1033.80	Dixon Federal 32A-23-692 (TD)

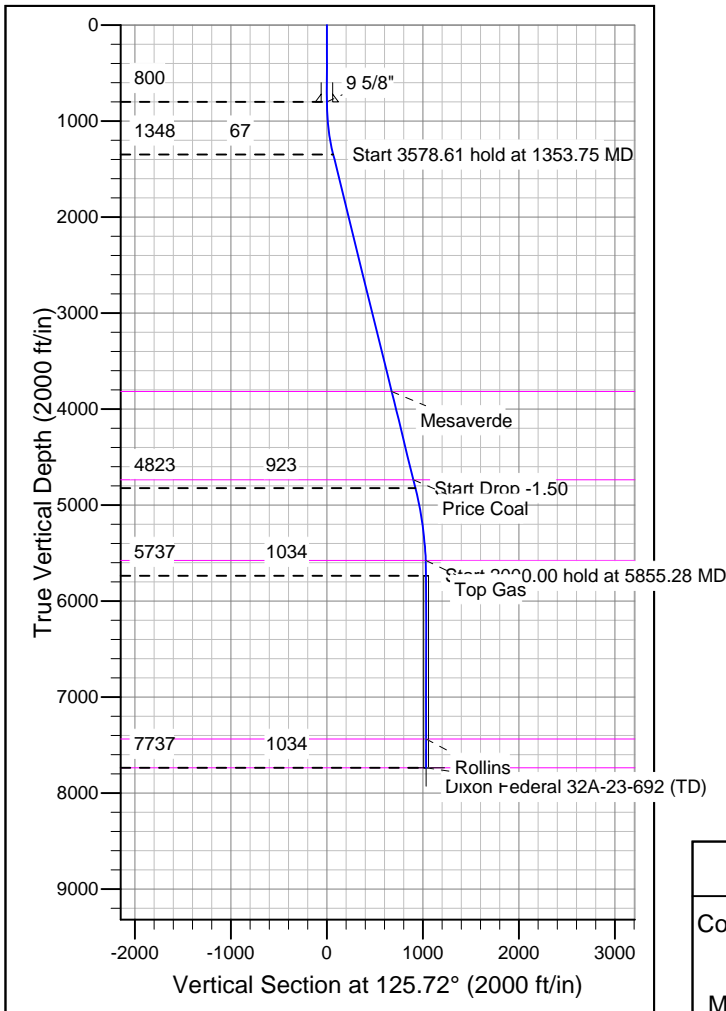
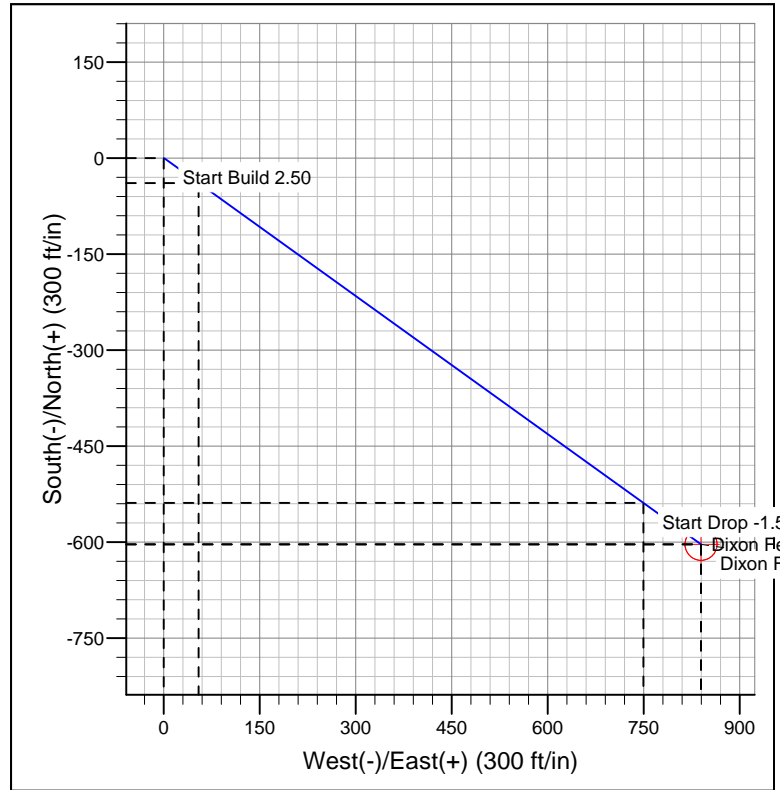
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Dixon Federal 32A-23-692 (TD)	7737.00	-603.53	839.35	Circle (Radius: 25.00)



Azimuths to True North
Magnetic North: 10.36°

Magnetic Field
Strength: 52482.3snT
Dip Angle: 65.87°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3817.00	3896.23	Mesaverde
4737.00	4843.75	Price Coal
5577.00	5695.23	Top Gas
7437.00	7555.28	Rollins
7737.00	7855.28	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Dixon Federal 32A-23-692, True North
Vertical (TVD) Reference: WELL @ 5964.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 5964.00ft (Original Well Elev)
Calculation Method: Minimum Curvature