

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Dixon SWNW-23-692

Dixon Federal 42B-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 42B-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 42B-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 42B-22-692		
Well Position	+N/-S	-522.33 ft	Northing:
	+E/-W	54.17 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 56.617 N
			Longitude:
			107° 38' 33.2196 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	235.49

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	
1,470.30	16.76	235.49	1,460.78	-55.14	-80.20	2.50	2.50	0.00	235.49	
4,693.07	16.76	235.49	4,546.69	-581.56	-845.89	0.00	0.00	0.00	0.00	
5,810.23	0.00	0.00	5,648.00	-673.46	-979.55	1.50	-1.50	0.00	180.00	
7,810.23	0.00	0.00	7,648.00	-673.46	-979.55	0.00	0.00	0.00	0.00	Dixon Federal 42B-

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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 42B-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	235.49	899.97	-1.24	-1.80	2.18	2.50	2.50	0.00
1,000.00	5.00	235.49	999.75	-4.94	-7.19	8.72	2.50	2.50	0.00
1,100.00	7.50	235.49	1,099.14	-11.11	-16.16	19.61	2.50	2.50	0.00
1,200.00	10.00	235.49	1,197.97	-19.73	-28.69	34.82	2.50	2.50	0.00
1,300.00	12.50	235.49	1,296.04	-30.78	-44.77	54.33	2.50	2.50	0.00
1,400.00	15.00	235.49	1,393.17	-44.24	-64.35	78.09	2.50	2.50	0.00
1,470.30	16.76	235.49	1,460.78	-55.14	-80.20	97.33	2.50	2.50	0.00
1,500.00	16.76	235.49	1,489.22	-59.99	-87.26	105.89	0.00	0.00	0.00
1,600.00	16.76	235.49	1,584.98	-76.32	-111.01	134.72	0.00	0.00	0.00
1,700.00	16.76	235.49	1,680.73	-92.66	-134.77	163.55	0.00	0.00	0.00
1,800.00	16.76	235.49	1,776.48	-108.99	-158.53	192.38	0.00	0.00	0.00
1,900.00	16.76	235.49	1,872.24	-125.33	-182.29	221.22	0.00	0.00	0.00
2,000.00	16.76	235.49	1,967.99	-141.66	-206.05	250.05	0.00	0.00	0.00
2,100.00	16.76	235.49	2,063.74	-158.00	-229.81	278.88	0.00	0.00	0.00
2,200.00	16.76	235.49	2,159.50	-174.33	-253.57	307.71	0.00	0.00	0.00
2,300.00	16.76	235.49	2,255.25	-190.67	-277.33	336.55	0.00	0.00	0.00
2,400.00	16.76	235.49	2,351.00	-207.00	-301.08	365.38	0.00	0.00	0.00
2,500.00	16.76	235.49	2,446.76	-223.33	-324.84	394.21	0.00	0.00	0.00
2,600.00	16.76	235.49	2,542.51	-239.67	-348.60	423.04	0.00	0.00	0.00
2,700.00	16.76	235.49	2,638.26	-256.00	-372.36	451.87	0.00	0.00	0.00
2,800.00	16.76	235.49	2,734.02	-272.34	-396.12	480.71	0.00	0.00	0.00
2,900.00	16.76	235.49	2,829.77	-288.67	-419.88	509.54	0.00	0.00	0.00
3,000.00	16.76	235.49	2,925.52	-305.01	-443.64	538.37	0.00	0.00	0.00
3,100.00	16.76	235.49	3,021.28	-321.34	-467.40	567.20	0.00	0.00	0.00
3,200.00	16.76	235.49	3,117.03	-337.68	-491.15	596.03	0.00	0.00	0.00
3,300.00	16.76	235.49	3,212.78	-354.01	-514.91	624.87	0.00	0.00	0.00
3,400.00	16.76	235.49	3,308.54	-370.34	-538.67	653.70	0.00	0.00	0.00
3,500.00	16.76	235.49	3,404.29	-386.68	-562.43	682.53	0.00	0.00	0.00
3,600.00	16.76	235.49	3,500.04	-403.01	-586.19	711.36	0.00	0.00	0.00
3,700.00	16.76	235.49	3,595.80	-419.35	-609.95	740.19	0.00	0.00	0.00
3,800.00	16.76	235.49	3,691.55	-435.68	-633.71	769.03	0.00	0.00	0.00
3,900.00	16.76	235.49	3,787.30	-452.02	-657.46	797.86	0.00	0.00	0.00
4,000.00	16.76	235.49	3,883.06	-468.35	-681.22	826.69	0.00	0.00	0.00
4,100.00	16.76	235.49	3,978.81	-484.69	-704.98	855.52	0.00	0.00	0.00
4,200.00	16.76	235.49	4,074.56	-501.02	-728.74	884.35	0.00	0.00	0.00
4,300.00	16.76	235.49	4,170.32	-517.35	-752.50	913.19	0.00	0.00	0.00
4,400.00	16.76	235.49	4,266.07	-533.69	-776.26	942.02	0.00	0.00	0.00
4,500.00	16.76	235.49	4,361.82	-550.02	-800.02	970.85	0.00	0.00	0.00
4,600.00	16.76	235.49	4,457.58	-566.36	-823.78	999.68	0.00	0.00	0.00
4,693.07	16.76	235.49	4,546.69	-581.56	-845.89	1,026.52	0.00	0.00	0.00
4,700.00	16.65	235.49	4,553.33	-582.69	-847.53	1,028.51	1.50	-1.50	0.00
4,800.00	15.15	235.49	4,649.50	-598.21	-870.11	1,055.91	1.50	-1.50	0.00
4,900.00	13.65	235.49	4,746.36	-612.30	-890.61	1,080.78	1.50	-1.50	0.00
5,000.00	12.15	235.49	4,843.83	-624.96	-909.01	1,103.11	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 42B-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	10.65	235.49	4,941.85	-636.16	-925.30	1,122.89	1.50	-1.50	0.00
5,200.00	9.15	235.49	5,040.36	-645.90	-939.47	1,140.08	1.50	-1.50	0.00
5,300.00	7.65	235.49	5,139.28	-654.18	-951.51	1,154.70	1.50	-1.50	0.00
5,400.00	6.15	235.49	5,238.56	-660.99	-961.42	1,166.72	1.50	-1.50	0.00
5,500.00	4.65	235.49	5,338.11	-666.32	-969.18	1,176.13	1.50	-1.50	0.00
5,600.00	3.15	235.49	5,437.87	-670.18	-974.79	1,182.94	1.50	-1.50	0.00
5,700.00	1.65	235.49	5,537.78	-672.56	-978.24	1,187.14	1.50	-1.50	0.00
5,800.00	0.15	235.49	5,637.77	-673.45	-979.54	1,188.71	1.50	-1.50	0.00
5,810.23	0.00	0.00	5,648.00	-673.46	-979.55	1,188.73	1.50	-1.50	0.00
5,900.00	0.00	0.00	5,737.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,000.00	0.00	0.00	5,837.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,100.00	0.00	0.00	5,937.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,200.00	0.00	0.00	6,037.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,300.00	0.00	0.00	6,137.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,400.00	0.00	0.00	6,237.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,500.00	0.00	0.00	6,337.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,600.00	0.00	0.00	6,437.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,700.00	0.00	0.00	6,537.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,800.00	0.00	0.00	6,637.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
6,900.00	0.00	0.00	6,737.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,000.00	0.00	0.00	6,837.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,100.00	0.00	0.00	6,937.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,200.00	0.00	0.00	7,037.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,300.00	0.00	0.00	7,137.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,400.00	0.00	0.00	7,237.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,500.00	0.00	0.00	7,337.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,600.00	0.00	0.00	7,437.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,700.00	0.00	0.00	7,537.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,800.00	0.00	0.00	7,637.77	-673.46	-979.55	1,188.73	0.00	0.00	0.00
7,810.23	0.00	0.00	7,648.00	-673.46	-979.55	1,188.73	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 (°)
3,817.18	3,708.00	Mesaverde		0.00	
4,777.70	4,628.00	Price Coal		0.00	
5,519.95	5,358.00	Top Gas		0.00	
7,510.23	7,348.00	Rollins		0.00	
7,810.23	7,648.00	TD		0.00	

WELL DETAILS: Dixon Federal 42B-22-692

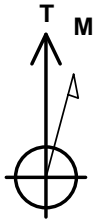
			Ground Level: 0.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1619859.837	2395593.775	39° 30' 56.617 N 107° 38' 33.2196 W		

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	1470.30	16.76	235.49	1460.78	-55.14	-80.20	2.50	235.49	97.33	
4	4693.07	16.76	235.49	4546.69	-581.56	-845.89	0.00	0.00	1026.52	
5	5810.23	0.00	0.00	5648.00	-673.46	-979.55	1.50	180.00	1188.73	
6	7810.23	0.00	0.00	7648.00	-673.46	-979.55	0.00	0.00	1188.73	Dixon Federal 42B-22-692 (TD)

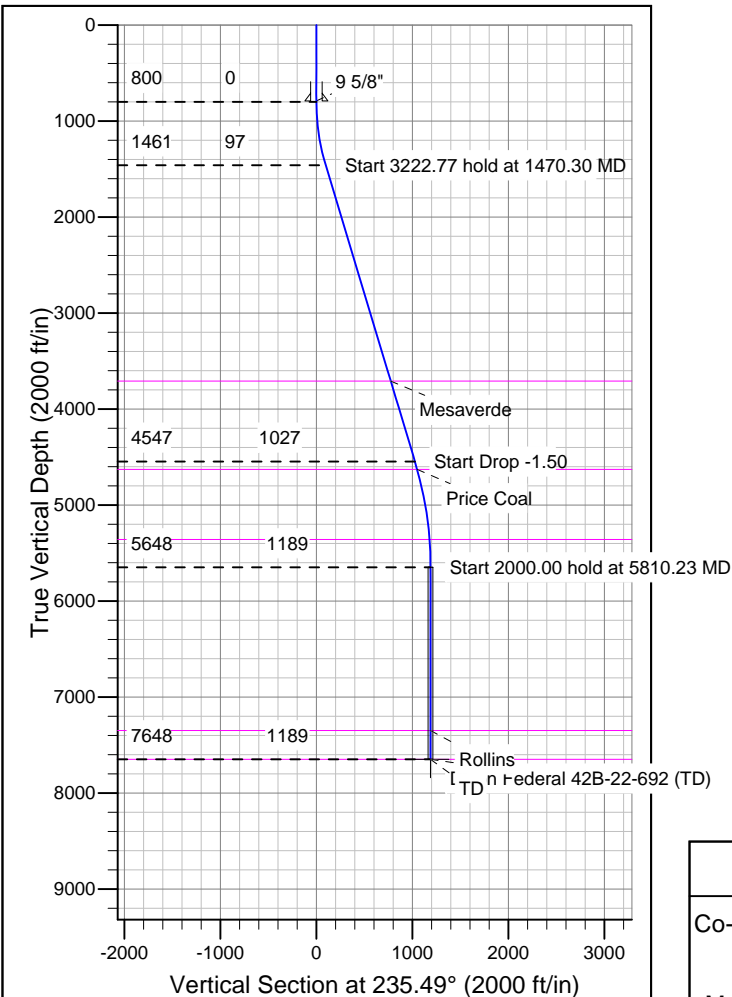
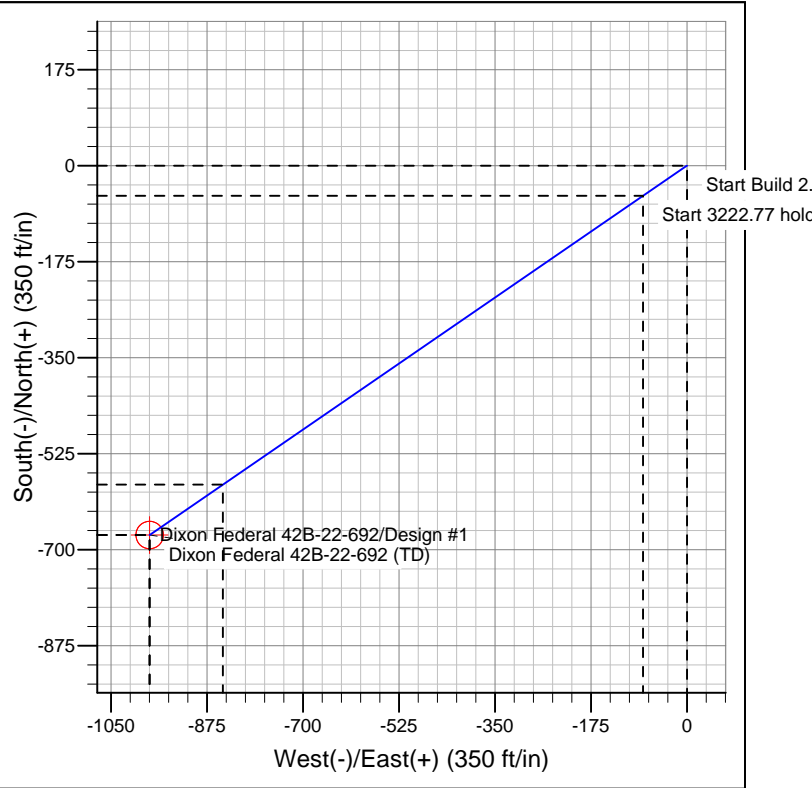
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Dixon Federal 42B-22-692 (TD)	7648.00	-673.46	-979.55	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
3708.00	3817.18	Mesaverde
4628.00	4777.70	Price Coal
5358.00	5519.95	Top Gas
7348.00	7510.23	Rollins
7648.00	7810.23	TD

REFERENCE INFORMATION

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