

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Dixon SENW-32D-23-692

Dixon Federal 22A-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 22A-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 22A-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 22A-23-692		
Well Position	+N/-S	-35.72 ft	Northing:
	+E/-W	759.48 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 52.358 N
			Longitude:
			107° 38' 5.8128 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	52,482

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	219.79

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	
1,174.10	9.35	219.79	1,172.44	-23.41	-19.50	2.50	2.50	0.00	219.79	
5,201.46	9.35	219.79	5,146.26	-526.28	-438.38	0.00	0.00	0.00	0.00	
5,824.96	0.00	0.00	5,767.00	-565.29	-470.88	1.50	-1.50	0.00	180.00	
7,824.96	0.00	0.00	7,767.00	-565.29	-470.88	0.00	0.00	0.00	0.00	Dixon Federal 22A-

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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 22A-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	219.79	899.97	-1.68	-1.40	2.18	2.50	2.50	0.00	
1,000.00	5.00	219.79	999.75	-6.70	-5.58	8.72	2.50	2.50	0.00	
1,100.00	7.50	219.79	1,099.14	-15.07	-12.55	19.61	2.50	2.50	0.00	
1,174.10	9.35	219.79	1,172.44	-23.41	-19.50	30.46	2.50	2.50	0.00	
1,200.00	9.35	219.79	1,198.00	-26.64	-22.19	34.67	0.00	0.00	0.00	
1,300.00	9.35	219.79	1,296.67	-39.13	-32.59	50.92	0.00	0.00	0.00	
1,400.00	9.35	219.79	1,395.34	-51.61	-42.99	67.18	0.00	0.00	0.00	
1,500.00	9.35	219.79	1,494.01	-64.10	-53.40	83.43	0.00	0.00	0.00	
1,600.00	9.35	219.79	1,592.68	-76.59	-63.80	99.68	0.00	0.00	0.00	
1,700.00	9.35	219.79	1,691.35	-89.07	-74.20	115.93	0.00	0.00	0.00	
1,800.00	9.35	219.79	1,790.02	-101.56	-84.60	132.18	0.00	0.00	0.00	
1,900.00	9.35	219.79	1,888.69	-114.05	-95.00	148.43	0.00	0.00	0.00	
2,000.00	9.35	219.79	1,987.36	-126.53	-105.40	164.68	0.00	0.00	0.00	
2,100.00	9.35	219.79	2,086.03	-139.02	-115.80	180.93	0.00	0.00	0.00	
2,200.00	9.35	219.79	2,184.70	-151.51	-126.20	197.18	0.00	0.00	0.00	
2,300.00	9.35	219.79	2,283.37	-163.99	-136.60	213.43	0.00	0.00	0.00	
2,400.00	9.35	219.79	2,382.05	-176.48	-147.00	229.68	0.00	0.00	0.00	
2,500.00	9.35	219.79	2,480.72	-188.96	-157.40	245.93	0.00	0.00	0.00	
2,600.00	9.35	219.79	2,579.39	-201.45	-167.81	262.19	0.00	0.00	0.00	
2,700.00	9.35	219.79	2,678.06	-213.94	-178.21	278.44	0.00	0.00	0.00	
2,800.00	9.35	219.79	2,776.73	-226.42	-188.61	294.69	0.00	0.00	0.00	
2,900.00	9.35	219.79	2,875.40	-238.91	-199.01	310.94	0.00	0.00	0.00	
3,000.00	9.35	219.79	2,974.07	-251.40	-209.41	327.19	0.00	0.00	0.00	
3,100.00	9.35	219.79	3,072.74	-263.88	-219.81	343.44	0.00	0.00	0.00	
3,200.00	9.35	219.79	3,171.41	-276.37	-230.21	359.69	0.00	0.00	0.00	
3,300.00	9.35	219.79	3,270.08	-288.86	-240.61	375.94	0.00	0.00	0.00	
3,400.00	9.35	219.79	3,368.75	-301.34	-251.01	392.19	0.00	0.00	0.00	
3,500.00	9.35	219.79	3,467.42	-313.83	-261.41	408.44	0.00	0.00	0.00	
3,600.00	9.35	219.79	3,566.09	-326.31	-271.82	424.69	0.00	0.00	0.00	
3,700.00	9.35	219.79	3,664.76	-338.80	-282.22	440.94	0.00	0.00	0.00	
3,800.00	9.35	219.79	3,763.44	-351.29	-292.62	457.20	0.00	0.00	0.00	
3,900.00	9.35	219.79	3,862.11	-363.77	-303.02	473.45	0.00	0.00	0.00	
4,000.00	9.35	219.79	3,960.78	-376.26	-313.42	489.70	0.00	0.00	0.00	
4,100.00	9.35	219.79	4,059.45	-388.75	-323.82	505.95	0.00	0.00	0.00	
4,200.00	9.35	219.79	4,158.12	-401.23	-334.22	522.20	0.00	0.00	0.00	
4,300.00	9.35	219.79	4,256.79	-413.72	-344.62	538.45	0.00	0.00	0.00	
4,400.00	9.35	219.79	4,355.46	-426.21	-355.02	554.70	0.00	0.00	0.00	
4,500.00	9.35	219.79	4,454.13	-438.69	-365.42	570.95	0.00	0.00	0.00	
4,600.00	9.35	219.79	4,552.80	-451.18	-375.83	587.20	0.00	0.00	0.00	
4,700.00	9.35	219.79	4,651.47	-463.66	-386.23	603.45	0.00	0.00	0.00	
4,800.00	9.35	219.79	4,750.14	-476.15	-396.63	619.70	0.00	0.00	0.00	
4,900.00	9.35	219.79	4,848.81	-488.64	-407.03	635.95	0.00	0.00	0.00	
5,000.00	9.35	219.79	4,947.48	-501.12	-417.43	652.21	0.00	0.00	0.00	
5,100.00	9.35	219.79	5,046.15	-513.61	-427.83	668.46	0.00	0.00	0.00	

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Well:	Dixon Federal 22A-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	9.35	219.79	5,144.83	-526.10	-438.23	684.71	0.00	0.00	0.00
5,201.46	9.35	219.79	5,146.26	-526.28	-438.38	684.94	0.00	0.00	0.00
5,300.00	7.87	219.79	5,243.69	-537.62	-447.83	699.70	1.50	-1.50	0.00
5,400.00	6.37	219.79	5,342.92	-547.15	-455.77	712.10	1.50	-1.50	0.00
5,500.00	4.87	219.79	5,442.43	-554.68	-462.04	721.90	1.50	-1.50	0.00
5,600.00	3.37	219.79	5,542.17	-560.20	-466.64	729.10	1.50	-1.50	0.00
5,700.00	1.87	219.79	5,642.06	-563.72	-469.57	733.67	1.50	-1.50	0.00
5,800.00	0.37	219.79	5,742.04	-565.23	-470.83	735.64	1.50	-1.50	0.00
5,824.96	0.00	0.00	5,767.00	-565.29	-470.88	735.72	1.50	-1.50	0.00
5,900.00	0.00	0.00	5,842.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,000.00	0.00	0.00	5,942.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,100.00	0.00	0.00	6,042.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,200.00	0.00	0.00	6,142.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,300.00	0.00	0.00	6,242.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,400.00	0.00	0.00	6,342.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,500.00	0.00	0.00	6,442.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,600.00	0.00	0.00	6,542.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,700.00	0.00	0.00	6,642.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,800.00	0.00	0.00	6,742.04	-565.29	-470.88	735.72	0.00	0.00	0.00
6,900.00	0.00	0.00	6,842.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,000.00	0.00	0.00	6,942.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,100.00	0.00	0.00	7,042.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,200.00	0.00	0.00	7,142.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,300.00	0.00	0.00	7,242.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,400.00	0.00	0.00	7,342.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,500.00	0.00	0.00	7,442.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,600.00	0.00	0.00	7,542.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,700.00	0.00	0.00	7,642.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,800.00	0.00	0.00	7,742.04	-565.29	-470.88	735.72	0.00	0.00	0.00
7,824.96	0.00	0.00	7,767.00	-565.29	-470.88	735.72	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 (°)
3,859.35	3,822.00	Mesaverde		0.00	
4,796.82	4,747.00	Price Coal		0.00	
5,664.91	5,607.00	Top Gas		0.00	
7,524.96	7,467.00	Rollins		0.00	
7,824.96	7,767.00	TD		0.00	

WELL DETAILS: Dixon Federal 22A-23-692

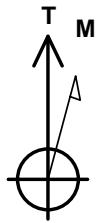
+N/-S	+E/-W	Northing	Ground Level:	0.00		
0.00	0.00	1619378.498	Easting	2397730.844	Latitude	Longitude
				39° 30' 52.358 N	107° 38' 5.8128 W	Slot

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	1174.10	9.35	219.79	1172.44	-23.41	-19.50	2.50	219.79	30.46	
4	5201.46	9.35	219.79	5146.26	-526.28	-438.38	0.00	0.00	684.94	
5	5824.96	0.00	0.00	5767.00	-565.29	-470.88	1.50	180.00	735.72	
6	7824.96	0.00	0.00	7767.00	-565.29	-470.88	0.00	0.00	735.72	Dixon Federal 22A-23-692 (TD)

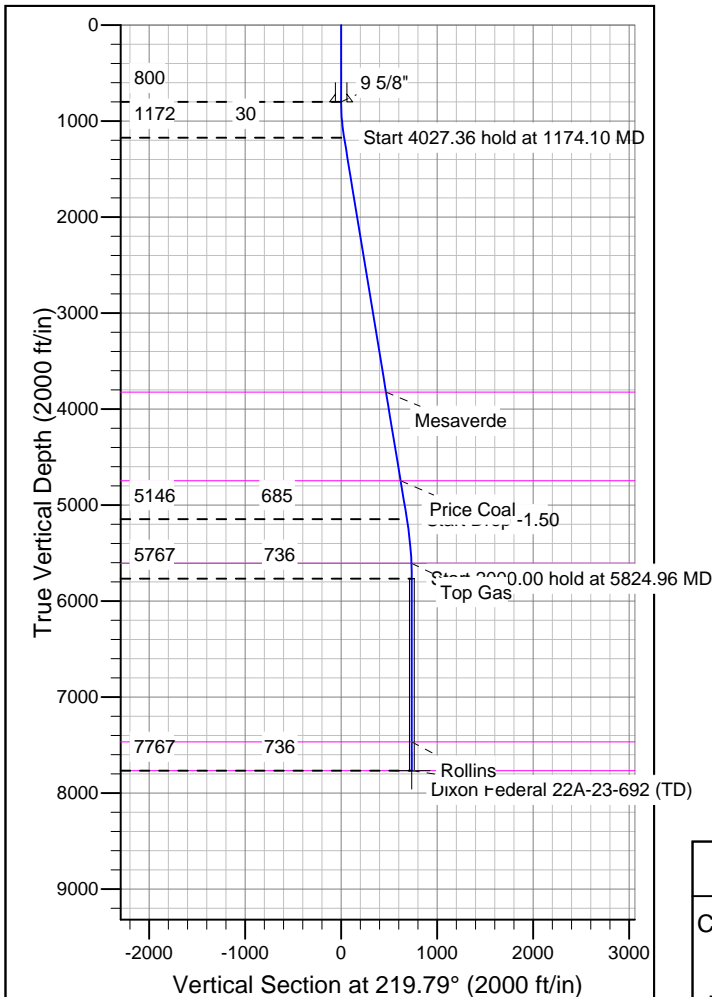
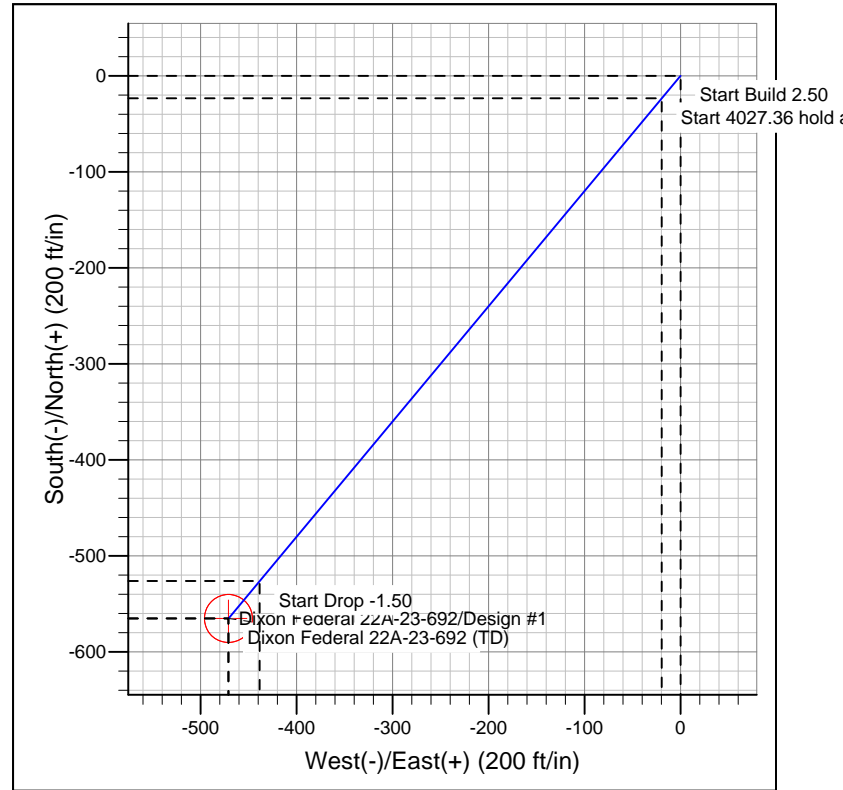
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Dixon Federal 22A-23-692 (TD)	7767.00	-565.29	-470.88	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
3822.00	3859.35	Mesaverde
4747.00	4796.82	Price Coal
5607.00	5664.91	Top Gas
7467.00	7524.96	Rollins
7767.00	7824.96	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Dixon Federal 22A-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