

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Dixon SWNW-23-692

Dixon Federal 12A-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 12A-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 12A-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 12A-23-692		
Well Position	+N/-S	-521.60 ft	Northing:
	+E/-W	70.25 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 56.624 N
			Longitude:
			107° 38' 33.0144 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	162.08

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	
1,390.64	14.77	162.08	1,384.12	-72.02	23.28	2.50	2.50	0.00	162.08	
4,772.67	14.77	162.08	4,654.47	-892.19	288.47	0.00	0.00	0.00	0.00	
5,757.07	0.00	0.00	5,628.00	-1,012.22	327.27	1.50	-1.50	0.00	180.00	
7,757.07	0.00	0.00	7,628.00	-1,012.22	327.27	0.00	0.00	0.00	0.00	Dixon Federal 12A-

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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 12A-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	162.08	899.97	-2.08	0.67	2.18	2.50	2.50	0.00	
1,000.00	5.00	162.08	999.75	-8.30	2.68	8.72	2.50	2.50	0.00	
1,100.00	7.50	162.08	1,099.14	-18.66	6.03	19.61	2.50	2.50	0.00	
1,200.00	10.00	162.08	1,197.97	-33.13	10.71	34.82	2.50	2.50	0.00	
1,300.00	12.50	162.08	1,296.04	-51.69	16.71	54.33	2.50	2.50	0.00	
1,390.64	14.77	162.08	1,384.12	-72.02	23.28	75.69	2.50	2.50	0.00	
1,400.00	14.77	162.08	1,393.17	-74.29	24.02	78.07	0.00	0.00	0.00	
1,500.00	14.77	162.08	1,489.87	-98.54	31.86	103.56	0.00	0.00	0.00	
1,600.00	14.77	162.08	1,586.57	-122.79	39.70	129.05	0.00	0.00	0.00	
1,700.00	14.77	162.08	1,683.27	-147.04	47.54	154.53	0.00	0.00	0.00	
1,800.00	14.77	162.08	1,779.96	-171.29	55.38	180.02	0.00	0.00	0.00	
1,900.00	14.77	162.08	1,876.66	-195.54	63.22	205.51	0.00	0.00	0.00	
2,000.00	14.77	162.08	1,973.36	-219.79	71.06	231.00	0.00	0.00	0.00	
2,100.00	14.77	162.08	2,070.06	-244.04	78.91	256.48	0.00	0.00	0.00	
2,200.00	14.77	162.08	2,166.75	-268.29	86.75	281.97	0.00	0.00	0.00	
2,300.00	14.77	162.08	2,263.45	-292.55	94.59	307.46	0.00	0.00	0.00	
2,400.00	14.77	162.08	2,360.15	-316.80	102.43	332.94	0.00	0.00	0.00	
2,500.00	14.77	162.08	2,456.85	-341.05	110.27	358.43	0.00	0.00	0.00	
2,600.00	14.77	162.08	2,553.54	-365.30	118.11	383.92	0.00	0.00	0.00	
2,700.00	14.77	162.08	2,650.24	-389.55	125.95	409.40	0.00	0.00	0.00	
2,800.00	14.77	162.08	2,746.94	-413.80	133.79	434.89	0.00	0.00	0.00	
2,900.00	14.77	162.08	2,843.64	-438.05	141.63	460.38	0.00	0.00	0.00	
3,000.00	14.77	162.08	2,940.34	-462.30	149.47	485.87	0.00	0.00	0.00	
3,100.00	14.77	162.08	3,037.03	-486.55	157.31	511.35	0.00	0.00	0.00	
3,200.00	14.77	162.08	3,133.73	-510.80	165.15	536.84	0.00	0.00	0.00	
3,300.00	14.77	162.08	3,230.43	-535.05	173.00	562.33	0.00	0.00	0.00	
3,400.00	14.77	162.08	3,327.13	-559.31	180.84	587.81	0.00	0.00	0.00	
3,500.00	14.77	162.08	3,423.82	-583.56	188.68	613.30	0.00	0.00	0.00	
3,600.00	14.77	162.08	3,520.52	-607.81	196.52	638.79	0.00	0.00	0.00	
3,700.00	14.77	162.08	3,617.22	-632.06	204.36	664.27	0.00	0.00	0.00	
3,800.00	14.77	162.08	3,713.92	-656.31	212.20	689.76	0.00	0.00	0.00	
3,900.00	14.77	162.08	3,810.61	-680.56	220.04	715.25	0.00	0.00	0.00	
4,000.00	14.77	162.08	3,907.31	-704.81	227.88	740.74	0.00	0.00	0.00	
4,100.00	14.77	162.08	4,004.01	-729.06	235.72	766.22	0.00	0.00	0.00	
4,200.00	14.77	162.08	4,100.71	-753.31	243.56	791.71	0.00	0.00	0.00	
4,300.00	14.77	162.08	4,197.40	-777.56	251.40	817.20	0.00	0.00	0.00	
4,400.00	14.77	162.08	4,294.10	-801.81	259.25	842.68	0.00	0.00	0.00	
4,500.00	14.77	162.08	4,390.80	-826.07	267.09	868.17	0.00	0.00	0.00	
4,600.00	14.77	162.08	4,487.50	-850.32	274.93	893.66	0.00	0.00	0.00	
4,700.00	14.77	162.08	4,584.19	-874.57	282.77	919.14	0.00	0.00	0.00	
4,772.67	14.77	162.08	4,654.47	-892.19	288.47	937.67	0.00	0.00	0.00	
4,800.00	14.36	162.08	4,680.92	-898.73	290.58	944.54	1.50	-1.50	0.00	
4,900.00	12.86	162.08	4,778.11	-921.11	297.82	968.06	1.50	-1.50	0.00	
5,000.00	11.36	162.08	4,875.88	-941.07	304.27	989.03	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 12A-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	9.86	162.08	4,974.17	-958.58	309.93	1,007.44	1.50	-1.50	0.00
5,200.00	8.36	162.08	5,072.91	-973.64	314.80	1,023.26	1.50	-1.50	0.00
5,300.00	6.86	162.08	5,172.02	-986.23	318.87	1,036.50	1.50	-1.50	0.00
5,400.00	5.36	162.08	5,271.45	-996.35	322.14	1,047.13	1.50	-1.50	0.00
5,500.00	3.86	162.08	5,371.13	-1,003.99	324.61	1,055.16	1.50	-1.50	0.00
5,600.00	2.36	162.08	5,470.98	-1,009.15	326.28	1,060.58	1.50	-1.50	0.00
5,700.00	0.86	162.08	5,570.93	-1,011.81	327.14	1,063.39	1.50	-1.50	0.00
5,757.07	0.00	0.00	5,628.00	-1,012.22	327.27	1,063.81	1.50	-1.50	0.00
5,800.00	0.00	0.00	5,670.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
5,900.00	0.00	0.00	5,770.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,000.00	0.00	0.00	5,870.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,100.00	0.00	0.00	5,970.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,200.00	0.00	0.00	6,070.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,300.00	0.00	0.00	6,170.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,400.00	0.00	0.00	6,270.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,500.00	0.00	0.00	6,370.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,600.00	0.00	0.00	6,470.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,700.00	0.00	0.00	6,570.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,800.00	0.00	0.00	6,670.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
6,900.00	0.00	0.00	6,770.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,000.00	0.00	0.00	6,870.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,100.00	0.00	0.00	6,970.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,200.00	0.00	0.00	7,070.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,300.00	0.00	0.00	7,170.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,400.00	0.00	0.00	7,270.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,500.00	0.00	0.00	7,370.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,600.00	0.00	0.00	7,470.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,700.00	0.00	0.00	7,570.93	-1,012.22	327.27	1,063.81	0.00	0.00	0.00
7,757.07	0.00	0.00	7,628.00	-1,012.22	327.27	1,063.81	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 (°)
3,783.54	3,698.00	Mesaverde		0.00	
4,724.62	4,608.00	Price Coal		0.00	
5,476.82	5,348.00	Top Gas		0.00	
7,457.07	7,328.00	Rollins		0.00	
7,757.07	7,628.00	TD		0.00	

WELL DETAILS: Dixon Federal 12A-23-692

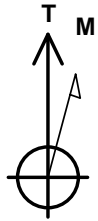
			Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1619860.186	2395609.868	39° 30' 56.624 N	107° 38' 33.0144 W	

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	1390.64	14.77	162.08	1384.12	-72.02	23.28	2.50	162.08	75.69	
4	4772.67	14.77	162.08	4654.47	-892.19	288.47	0.00	0.00	937.67	
5	5757.07	0.00	0.00	5628.00	-1012.22	327.27	1.50	180.00	1063.81	
6	7757.07	0.00	0.00	7628.00	-1012.22	327.27	0.00	0.00	1063.81	Dixon Federal 12A-23-692 (TD)

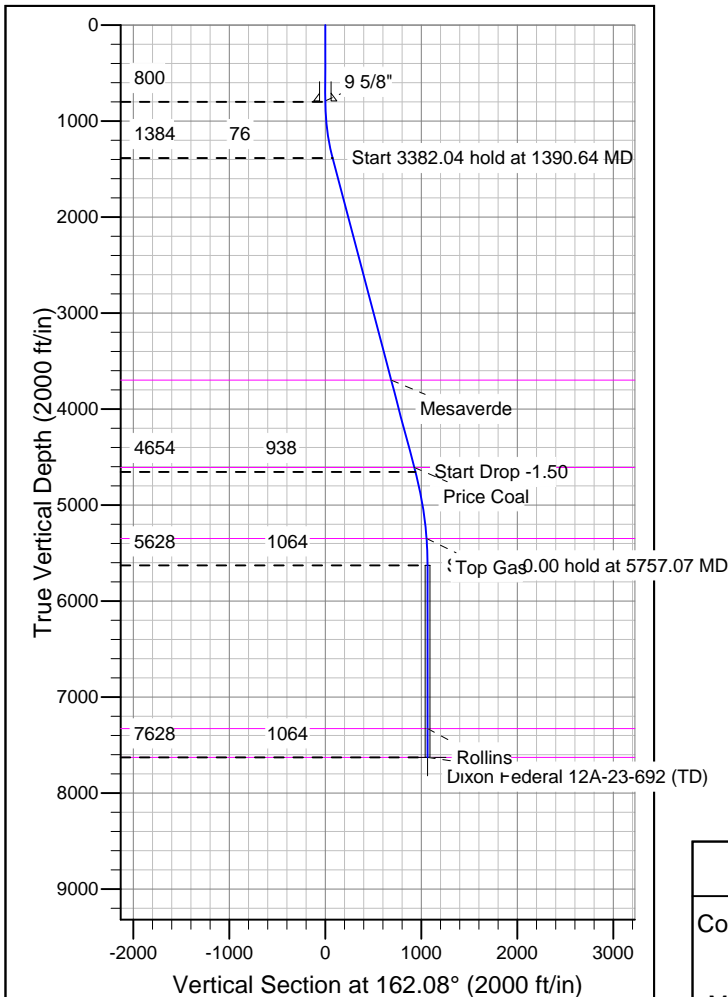
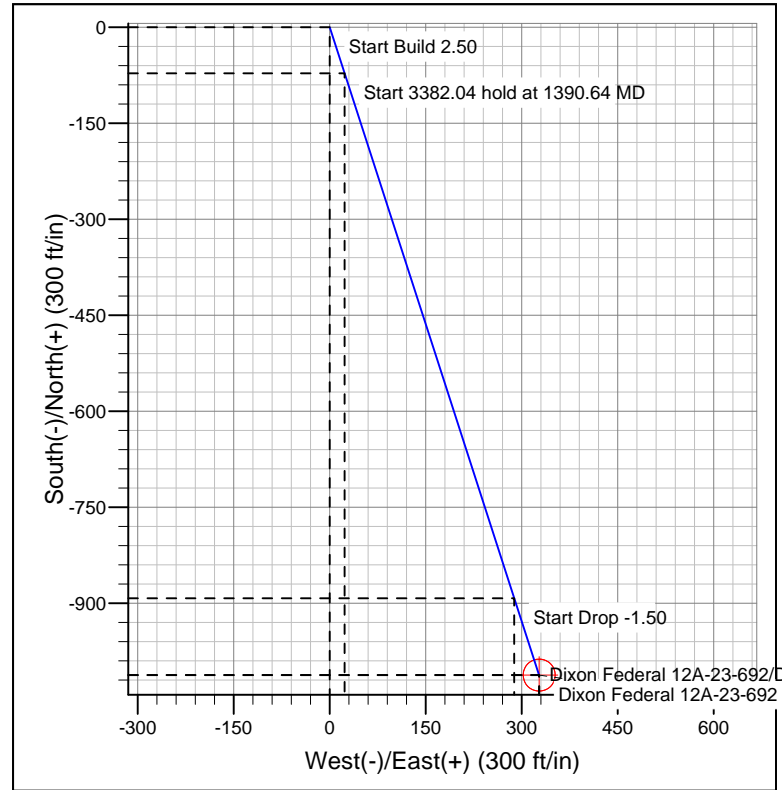
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Dixon Federal 12A-23-692 (TD)	-1012.22	327.27	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
3698.00	3783.54	Mesaverde
4608.00	4724.62	Price Coal
5348.00	5476.82	Top Gas
7328.00	7457.07	Rollins
7628.00	7757.07	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Dixon Federal 12A-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