

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #13

Jolley 42D-20-691

Wellbore #1

Plan: Design #1

Standard Planning Report

15 April, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Jolley 42D-20-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6453.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6453.00ft (Original Well Elev)
Site:	MDP #13	North Reference:	True
Well:	Jolley 42D-20-691	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	MDP #13		
Site Position:		Northing:	1,618,522.157 ft
From:	Lat/Long	Easting:	2,414,645.051 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 47.770 N
		Longitude:	107° 34' 29.7900 W
		Grid Convergence:	-1.31 °

Well	Jolley 42D-20-691		
Well Position	+N/-S	47.54 ft	Northing:
	+E/-W	8.62 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)
	BGGM2007	4/15/2010	10.37	65.85	52,404

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	42.74

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	
2,020.23	30.51	42.74	1,963.39	232.98	215.32	2.50	2.50	0.00	42.74	
3,428.83	30.51	42.74	3,177.01	758.09	700.64	0.00	0.00	0.00	0.00	
5,462.55	0.00	0.00	5,116.00	1,146.39	1,059.51	1.50	-1.50	0.00	180.00	
7,962.55	0.00	0.00	7,616.00	1,146.39	1,059.51	0.00	0.00	0.00	0.00	Jolley 42D-20-691 (

BBC

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6453.00ft (Original Well Elev)
Site:	MDP #13	North Reference:	True
Well:	Jolley 42D-20-691	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
9 5/8"									
900.00	2.50	42.74	899.97	1.60	1.48	2.18	2.50	2.50	0.00
1,000.00	5.00	42.74	999.75	6.40	5.92	8.72	2.50	2.50	0.00
1,100.00	7.50	42.74	1,099.14	14.40	13.31	19.61	2.50	2.50	0.00
1,200.00	10.00	42.74	1,197.97	25.57	23.63	34.82	2.50	2.50	0.00
1,300.00	12.50	42.74	1,296.04	39.90	36.87	54.33	2.50	2.50	0.00
1,400.00	15.00	42.74	1,393.17	57.35	53.00	78.09	2.50	2.50	0.00
1,500.00	17.50	42.74	1,489.17	77.90	72.00	106.07	2.50	2.50	0.00
1,600.00	20.00	42.74	1,583.85	101.50	93.81	138.21	2.50	2.50	0.00
1,700.00	22.50	42.74	1,677.05	128.12	118.41	174.45	2.50	2.50	0.00
1,800.00	25.00	42.74	1,768.57	157.69	145.74	214.73	2.50	2.50	0.00
1,900.00	27.50	42.74	1,858.25	190.17	175.76	258.95	2.50	2.50	0.00
2,000.00	30.00	42.74	1,945.92	225.49	208.40	307.05	2.50	2.50	0.00
2,020.23	30.51	42.74	1,963.39	232.98	215.32	317.24	2.50	2.50	0.00
2,100.00	30.51	42.74	2,032.12	262.71	242.80	357.73	0.00	0.00	0.00
2,200.00	30.51	42.74	2,118.28	299.99	277.26	408.49	0.00	0.00	0.00
2,300.00	30.51	42.74	2,204.43	337.27	311.71	459.26	0.00	0.00	0.00
2,400.00	30.51	42.74	2,290.59	374.55	346.17	510.02	0.00	0.00	0.00
2,500.00	30.51	42.74	2,376.75	411.83	380.62	560.78	0.00	0.00	0.00
2,600.00	30.51	42.74	2,462.91	449.11	415.08	611.54	0.00	0.00	0.00
2,700.00	30.51	42.74	2,549.07	486.39	449.53	662.31	0.00	0.00	0.00
2,800.00	30.51	42.74	2,635.22	523.67	483.98	713.07	0.00	0.00	0.00
2,900.00	30.51	42.74	2,721.38	560.95	518.44	763.83	0.00	0.00	0.00
3,000.00	30.51	42.74	2,807.54	598.23	552.89	814.60	0.00	0.00	0.00
3,100.00	30.51	42.74	2,893.70	635.51	587.35	865.36	0.00	0.00	0.00
3,200.00	30.51	42.74	2,979.85	672.79	621.80	916.12	0.00	0.00	0.00
3,300.00	30.51	42.74	3,066.01	710.06	656.26	966.88	0.00	0.00	0.00
3,400.00	30.51	42.74	3,152.17	747.34	690.71	1,017.65	0.00	0.00	0.00
3,428.83	30.51	42.74	3,177.01	758.09	700.64	1,032.28	0.00	0.00	0.00
3,500.00	29.44	42.74	3,238.66	784.20	724.77	1,067.83	1.50	-1.50	0.00
3,600.00	27.94	42.74	3,326.38	819.45	757.36	1,115.84	1.50	-1.50	0.00
3,700.00	26.44	42.74	3,415.33	853.01	788.37	1,161.53	1.50	-1.50	0.00
3,800.00	24.94	42.74	3,505.44	884.84	817.79	1,204.87	1.50	-1.50	0.00
3,900.00	23.44	42.74	3,596.66	914.93	845.60	1,245.85	1.50	-1.50	0.00
4,000.00	21.94	42.74	3,688.92	943.26	871.78	1,284.42	1.50	-1.50	0.00
4,093.43	20.54	42.74	3,776.00	968.11	894.75	1,318.26	1.50	-1.50	0.00
Mesaverde									
4,100.00	20.44	42.74	3,782.16	969.80	896.31	1,320.56	1.50	-1.50	0.00
4,200.00	18.94	42.74	3,876.31	994.54	919.17	1,354.25	1.50	-1.50	0.00
4,300.00	17.44	42.74	3,971.31	1,017.46	940.36	1,385.46	1.50	-1.50	0.00
4,400.00	15.94	42.74	4,067.10	1,038.55	959.85	1,414.18	1.50	-1.50	0.00
4,500.00	14.44	42.74	4,163.60	1,057.79	977.63	1,440.38	1.50	-1.50	0.00
4,600.00	12.94	42.74	4,260.76	1,075.17	993.69	1,464.04	1.50	-1.50	0.00
4,700.00	11.44	42.74	4,358.50	1,090.67	1,008.02	1,485.15	1.50	-1.50	0.00

BBC

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Well:	Jolley 42D-20-691	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)
4,800.00	9.94	42.74	4,456.76	1,104.29	1,020.61	1,503.70	1.50	-1.50	0.00
4,900.00	8.44	42.74	4,555.48	1,116.02	1,031.45	1,519.66	1.50	-1.50	0.00
4,956.07	7.60	42.74	4,611.00	1,121.76	1,036.75	1,527.49	1.50	-1.50	0.00
Price Coal									
4,971.20	7.37	42.74	4,626.00	1,123.21	1,038.09	1,529.46	1.50	-1.50	0.00
Top Gas									
5,000.00	6.94	42.74	4,654.58	1,125.84	1,040.53	1,533.04	1.50	-1.50	0.00
5,100.00	5.44	42.74	4,753.99	1,133.76	1,047.84	1,543.82	1.50	-1.50	0.00
5,200.00	3.94	42.74	4,853.65	1,139.76	1,053.39	1,552.00	1.50	-1.50	0.00
5,300.00	2.44	42.74	4,953.49	1,143.85	1,057.16	1,557.56	1.50	-1.50	0.00
5,400.00	0.94	42.74	5,053.45	1,146.01	1,059.16	1,560.50	1.50	-1.50	0.00
5,462.55	0.00	0.00	5,116.00	1,146.39	1,059.51	1,561.02	1.50	-1.50	0.00
5,500.00	0.00	0.00	5,153.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
5,600.00	0.00	0.00	5,253.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
5,700.00	0.00	0.00	5,353.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
5,800.00	0.00	0.00	5,453.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
5,900.00	0.00	0.00	5,553.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,000.00	0.00	0.00	5,653.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,100.00	0.00	0.00	5,753.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,200.00	0.00	0.00	5,853.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,300.00	0.00	0.00	5,953.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,400.00	0.00	0.00	6,053.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,500.00	0.00	0.00	6,153.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,600.00	0.00	0.00	6,253.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,700.00	0.00	0.00	6,353.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,800.00	0.00	0.00	6,453.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
6,900.00	0.00	0.00	6,553.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,000.00	0.00	0.00	6,653.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,100.00	0.00	0.00	6,753.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,200.00	0.00	0.00	6,853.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,300.00	0.00	0.00	6,953.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,400.00	0.00	0.00	7,053.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,500.00	0.00	0.00	7,153.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,600.00	0.00	0.00	7,253.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,662.55	0.00	0.00	7,316.00	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
Rollins									
7,700.00	0.00	0.00	7,353.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,800.00	0.00	0.00	7,453.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,900.00	0.00	0.00	7,553.45	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
7,962.55	0.00	0.00	7,616.00	1,146.39	1,059.51	1,561.02	0.00	0.00	0.00
TD									

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

BBC

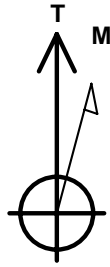
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Jolley 42D-20-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6453.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6453.00ft (Original Well Elev)
Site:	MDP #13	North Reference:	True
Well:	Jolley 42D-20-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,093.43	3,776.00	Mesaverde		0.00		
4,956.07	4,611.00	Price Coal		0.00		
4,971.20	4,626.00	Top Gas		0.00		
7,662.55	7,316.00	Rollins		0.00		
7,962.55	7,616.00	TD		0.00		

WELL DETAILS: Jolley 42D-20-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1618569.488 2414654.738 30° 48.207' N 94° 29.6800 W



Azimuths to True North
 Magnetic North: 10.37°

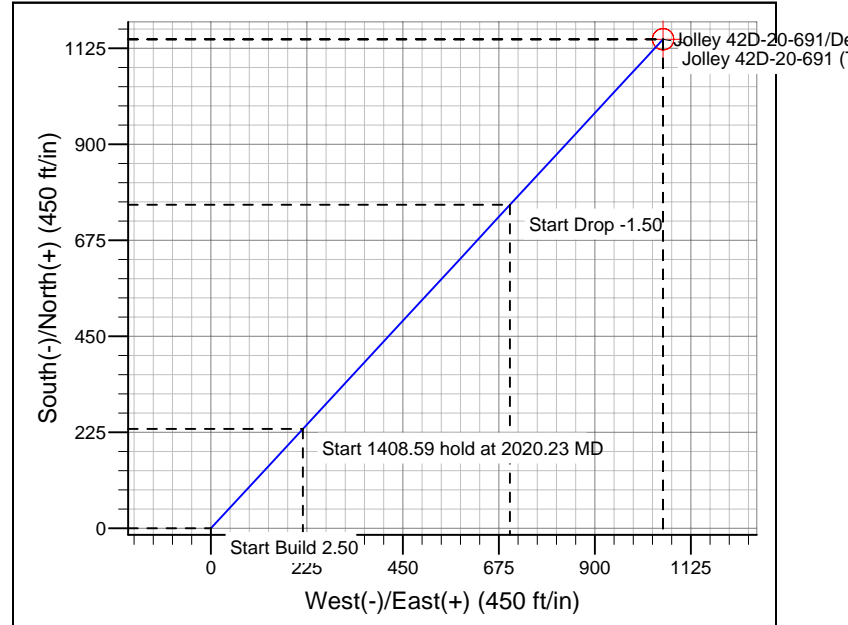
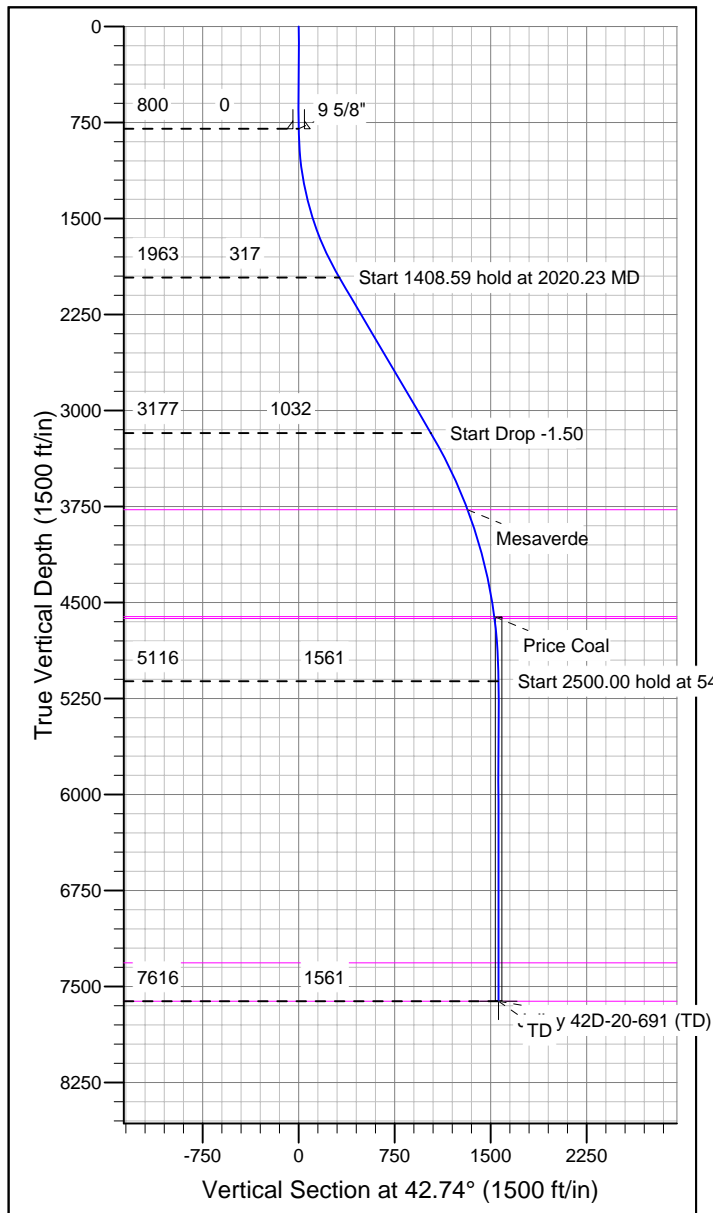
Magnetic Field
 Strength: 52404.1snT
 Dip Angle: 65.85°
 Date: 4/15/2010
 Model: BGGM2007

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	2020.23	30.51	42.74	1963.39	232.98	215.32	2.50	42.74	317.24	
4	3428.83	30.51	42.74	3177.01	758.09	700.64	0.00	0.00	1032.28	
5	5462.55	0.00	0.00	5116.00	1146.39	1059.51	1.50	180.00	1561.02	
6	7616.00	0.00	0.00	7616.00	1146.39	1059.51	0.00	0.00	1561.02	Jolley 42D-20-691 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 Jolley 42D-20-691 (TD) 7616.00 1146.39 1059.51 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
 800.00 800.00 9 5/8" 9-5/8"

FORMATION TOP DETAILS

TVD Pat MD Path Formation
 3776.00 4093.43 Mesaverde
 4611.00 4956.07 Price Coal
 4626.00 4971.20 Top Gas
 7316.00 7662.55 Rollins
 7616.00 7962.55 TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Jolley 42D-20-691, True North
 Vertical (TVD) Reference: WELL @ 6453.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 6453.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature