



Bill Barrett Corporation

Bill Barrett Corp.

Garfield Co., CO (NAD83)

Dixon SWNW-23-692

Dixon Federal 41D-22-692

Wellbore #1

Survey: MWD

Standard Survey Report

12 June, 2012

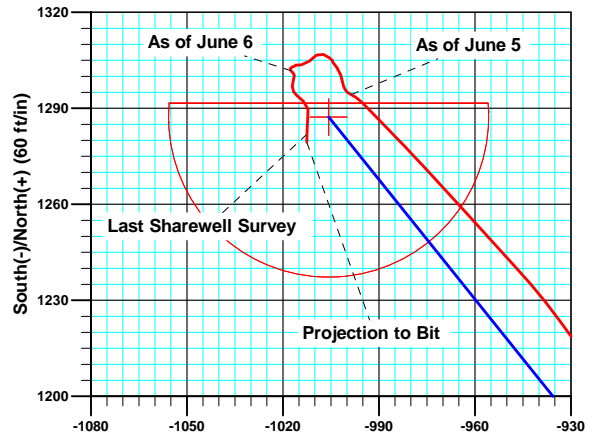
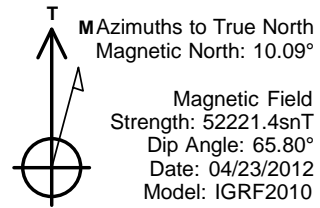
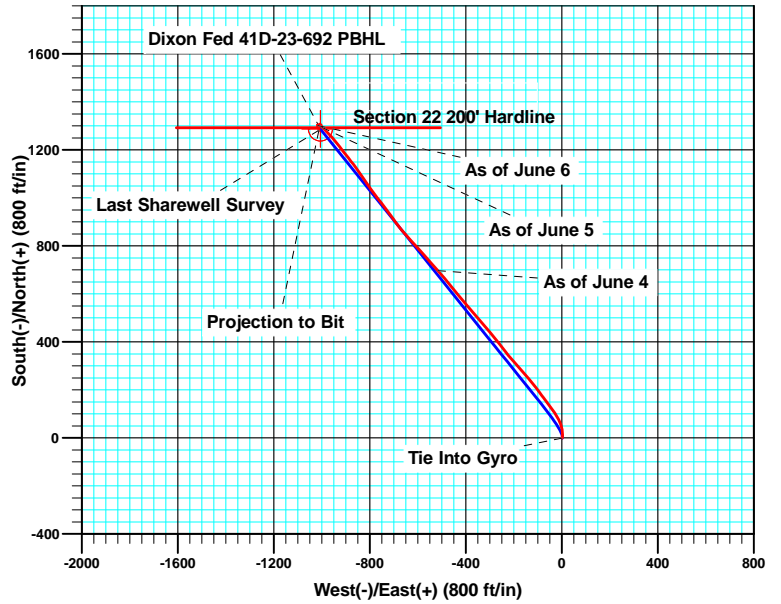
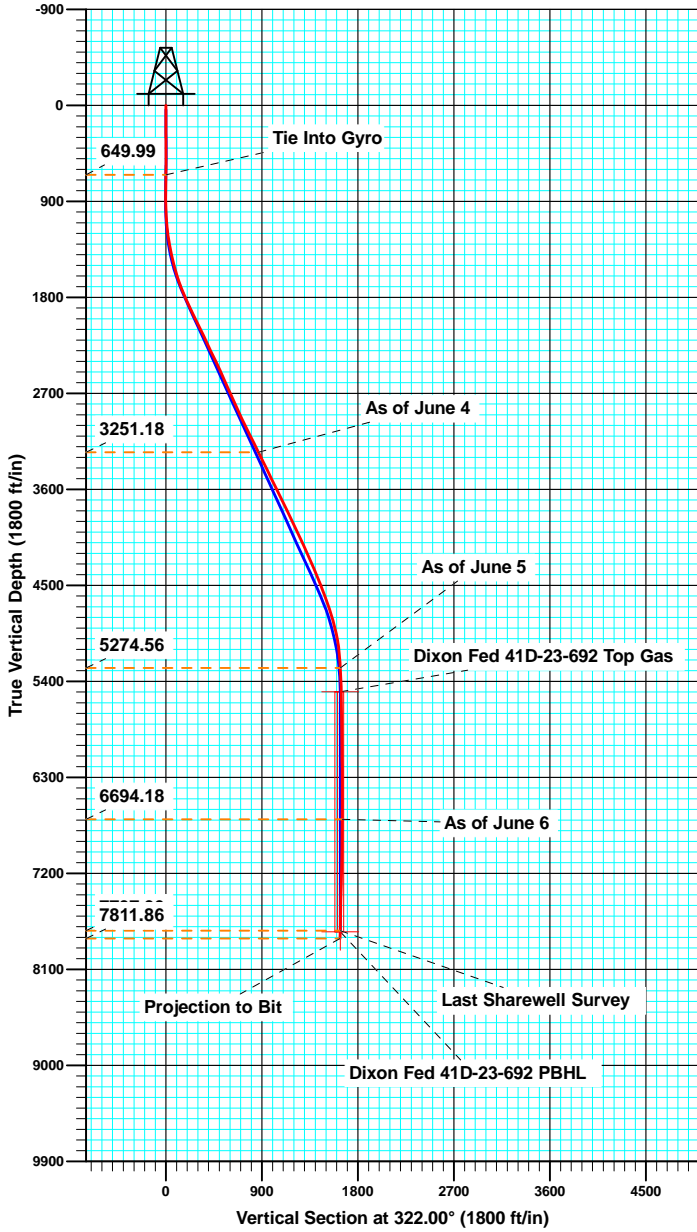


Dixon Federal 41D-22-692



US State Plane 1983 North American Datum 1983 Colorado Central Zone

+N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1619869.48 2395601.62 39° 30' 56.71 N 107° 38' 33.12 W
 GL@ 5815.00



TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
649.99	650.00	0.310	97.88	-1.04	0.60	-1.19	3.72	Tie Into Gyro
3251.18	3432.00	26.300	318.60	696.94	-516.09	866.93	884.50	As of June 4
5274.56	5612.00	2.500	293.90	1294.28	-998.66	1634.75	1653.80	As of June 5
6694.18	7032.00	0.700	150.70	1301.78	-1017.50	1652.26	1683.38	As of June 6
7737.90	8076.00	2.000	180.10	1281.90	-1012.44	1633.47	1706.17	Last Sharewell Survey
7811.86	8150.00	1.900	183.20	1279.38	-1012.51	1631.54	1708.68	Projection to Bit



Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41D-22-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5878.00ft (Original Well Elev)
Site:	Dixon SWNW-23-692	MD Reference:	WELL @ 5878.00ft (Original Well Elev)
Well:	Dixon Federal 41D-22-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	CompassVM

Project	Garfield Co., CO (NAD83)		
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:	1,619,869.69 usft	Latitude:	39° 30' 56.71 N
From:	Lat/Long	Easting:	2,395,577.93 usft	Longitude:	107° 38' 33.42 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.35 °

Well	Dixon Federal 41D-22-692					
Well Position	+N/-S	0.00 ft	Northing:	1,619,869.47 usft	Latitude:	39° 30' 56.71 N
	+E/-W	0.00 ft	Easting:	2,395,601.63 usft	Longitude:	107° 38' 33.12 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,815.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	04/23/12	10.08	65.80	52,221

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	322.00	

Survey Program	Date	06/12/12			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
60.00	8,150.00	MWD (Wellbore #1)	MWD	MWD - Standard	

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	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	0.120	18.75	60.00	0.06	0.02	0.03	0.20	0.20	0.00	
160.00	0.470	150.00	160.00	-0.20	0.26	-0.31	0.56	0.35	131.25	
260.00	0.300	339.63	260.00	-0.31	0.37	-0.47	0.77	-0.17	-170.37	
360.00	0.380	170.59	360.00	-0.39	0.34	-0.51	0.68	0.08	-169.04	
460.00	0.290	19.16	460.00	-0.48	0.47	-0.67	0.65	-0.09	-151.43	
560.00	0.480	194.49	560.00	-0.64	0.45	-0.78	0.77	0.19	175.33	
650.00	0.310	97.88	649.99	-1.04	0.60	-1.19	0.67	-0.19	-107.34	
Tie Into Gyro										
879.00	0.200	53.40	878.99	-0.89	1.53	-1.64	0.10	-0.05	-19.42	
971.00	1.600	12.90	970.98	0.46	1.95	-0.84	1.58	1.52	-44.02	

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Well:	Dixon Federal 41D-22-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	CompassVM

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)	
1,065.00	5.600	2.00	1,064.78	6.33	2.40	3.51	4.30	4.26	-11.60	
1,160.00	8.300	2.40	1,159.07	17.81	2.85	12.28	2.84	2.84	0.42	
1,255.00	9.800	349.40	1,252.89	32.61	1.65	24.68	2.66	1.58	-13.68	
1,350.00	12.000	343.50	1,346.18	50.03	-2.64	41.05	2.59	2.32	-6.21	
1,445.00	13.200	334.70	1,438.90	69.31	-10.08	60.82	2.38	1.26	-9.26	
1,538.00	15.600	331.90	1,528.97	89.94	-20.51	83.50	2.69	2.58	-3.01	
1,632.00	18.000	322.60	1,618.97	112.64	-35.29	110.49	3.83	2.55	-9.89	
1,727.00	21.100	322.80	1,708.48	137.92	-54.55	142.27	3.26	3.26	0.21	
1,822.00	23.600	324.70	1,796.34	167.07	-75.88	178.37	2.74	2.63	2.00	
1,917.00	25.900	322.70	1,882.61	199.10	-99.45	218.12	2.58	2.42	-2.11	
2,012.00	25.800	320.00	1,968.10	231.44	-125.31	259.53	1.24	-0.11	-2.84	
2,107.00	26.300	319.20	2,053.45	263.21	-152.35	301.21	0.64	0.53	-0.84	
2,201.00	25.200	318.80	2,138.12	294.03	-179.14	341.99	1.18	-1.17	-0.43	
2,296.00	24.500	318.50	2,224.32	324.00	-205.51	381.85	0.75	-0.74	-0.32	
2,391.00	26.600	322.40	2,310.03	355.61	-231.55	422.78	2.83	2.21	4.11	
2,486.00	25.800	321.40	2,395.27	388.62	-257.42	464.72	0.96	-0.84	-1.05	
2,580.00	25.000	320.70	2,480.18	419.98	-282.77	505.04	0.91	-0.85	-0.74	
2,674.00	23.900	320.90	2,565.75	450.13	-307.36	543.93	1.17	-1.17	0.21	
2,768.00	22.900	319.50	2,652.02	478.81	-331.25	581.24	1.22	-1.06	-1.49	
2,863.00	24.900	318.70	2,738.87	507.90	-356.45	619.68	2.13	2.11	-0.84	
2,958.00	25.500	319.10	2,824.83	538.38	-383.04	660.07	0.66	0.63	0.42	
3,053.00	24.300	319.40	2,911.00	568.68	-409.15	700.02	1.27	-1.26	0.32	
3,148.00	25.800	320.80	2,997.06	599.54	-434.94	740.22	1.70	1.58	1.47	
3,243.00	27.000	320.90	3,082.15	632.30	-461.61	782.45	1.26	1.26	0.11	
3,337.00	26.500	320.00	3,166.09	664.92	-488.54	824.74	0.68	-0.53	-0.96	
3,432.00	26.300	318.60	3,251.18	696.94	-516.09	866.93	0.69	-0.21	-1.47	
As of June 4										
3,527.00	26.500	318.00	3,336.28	728.48	-544.19	909.09	0.35	0.21	-0.63	
3,621.00	25.800	318.50	3,420.65	759.39	-571.77	950.42	0.78	-0.74	0.53	
3,716.00	26.100	318.90	3,506.08	790.62	-599.21	991.93	0.37	0.32	0.42	
3,810.00	26.100	315.90	3,590.49	821.05	-627.19	1,033.13	1.40	0.00	-3.19	
3,905.00	26.200	318.90	3,675.77	851.86	-655.52	1,074.86	1.40	0.11	3.16	
4,000.00	26.100	324.70	3,761.06	884.73	-681.39	1,116.68	2.69	-0.11	6.11	
4,095.00	25.800	323.50	3,846.49	918.40	-705.76	1,158.22	0.64	-0.32	-1.26	
4,190.00	25.800	323.10	3,932.02	951.55	-730.47	1,199.55	0.18	0.00	-0.42	
4,285.00	25.600	322.50	4,017.62	984.37	-755.38	1,240.75	0.35	-0.21	-0.63	
4,380.00	24.000	320.60	4,103.86	1,015.58	-780.14	1,280.59	1.88	-1.68	-2.00	
4,475.00	24.300	326.80	4,190.56	1,046.87	-803.11	1,319.39	2.69	0.32	6.53	
4,570.00	24.200	325.50	4,277.17	1,079.27	-824.84	1,358.30	0.57	-0.11	-1.37	
4,665.00	22.900	324.40	4,364.26	1,110.35	-846.63	1,396.21	1.44	-1.37	-1.16	
4,760.00	21.900	323.30	4,452.09	1,139.59	-867.98	1,432.39	1.14	-1.05	-1.16	
4,854.00	20.800	320.80	4,539.64	1,166.58	-889.00	1,466.60	1.52	-1.17	-2.66	
4,949.00	20.000	321.10	4,628.68	1,192.29	-909.87	1,499.71	0.85	-0.84	0.32	

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	CompassVM

Survey										
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5,044.00	19.000	324.60	4,718.24	1,217.54	-929.03	1,531.40	1.62	-1.05	3.68	
5,138.00	16.300	317.90	4,807.81	1,239.81	-946.74	1,559.85	3.59	-2.87	-7.13	
5,233.00	13.300	317.50	4,899.65	1,257.76	-963.06	1,584.05	3.16	-3.16	-0.42	
5,328.00	10.800	317.20	4,992.55	1,272.35	-976.50	1,603.82	2.63	-2.63	-0.32	
5,422.00	7.700	315.30	5,085.32	1,283.29	-986.91	1,618.85	3.31	-3.30	-2.02	
5,517.00	4.700	316.30	5,179.75	1,290.63	-994.08	1,629.05	3.16	-3.16	1.05	
5,612.00	2.500	293.90	5,274.56	1,294.28	-998.66	1,634.75	2.71	-2.32	-23.58	
As of June 5										
5,707.00	2.400	344.80	5,369.48	1,297.04	-1,001.08	1,638.41	2.22	-0.11	53.58	
5,802.00	1.800	348.20	5,464.42	1,300.42	-1,001.91	1,641.58	0.64	-0.63	3.58	
5,897.00	1.500	315.50	5,559.38	1,302.77	-1,003.08	1,644.16	1.02	-0.32	-34.42	
5,992.00	0.800	333.30	5,654.36	1,304.25	-1,004.25	1,646.04	0.82	-0.74	18.74	
6,087.00	0.400	336.70	5,749.36	1,305.15	-1,004.68	1,647.01	0.42	-0.42	3.58	
6,182.00	1.100	298.50	5,844.35	1,305.89	-1,005.61	1,648.17	0.87	0.74	-40.21	
6,274.00	1.400	297.90	5,936.33	1,306.83	-1,007.38	1,650.01	0.33	0.33	-0.65	
6,368.00	1.600	237.90	6,030.30	1,306.67	-1,009.51	1,651.19	1.61	0.21	-63.83	
6,463.00	2.000	222.80	6,125.25	1,304.75	-1,011.76	1,651.06	0.65	0.42	-15.89	
6,558.00	1.700	273.30	6,220.21	1,303.62	-1,014.29	1,651.73	1.69	-0.32	53.16	
6,653.00	0.500	232.70	6,315.19	1,303.45	-1,016.03	1,652.66	1.43	-1.26	-42.74	
6,747.00	0.000	236.80	6,409.19	1,303.20	-1,016.36	1,652.67	0.53	-0.53	0.00	
6,842.00	0.800	250.20	6,504.19	1,302.97	-1,016.98	1,652.87	0.84	0.84	0.00	
6,937.00	0.300	201.60	6,599.18	1,302.52	-1,017.70	1,652.96	0.68	-0.53	-51.16	
7,032.00	0.700	150.70	6,694.18	1,301.78	-1,017.50	1,652.26	0.59	0.42	-53.58	
As of June 6										
7,127.00	0.600	119.70	6,789.17	1,301.03	-1,016.79	1,651.22	0.38	-0.11	-32.63	
7,222.00	0.600	187.60	6,884.17	1,300.29	-1,016.42	1,650.41	0.71	0.00	71.47	
7,317.00	1.200	195.80	6,979.16	1,298.84	-1,016.76	1,649.48	0.64	0.63	8.63	
7,412.00	1.200	184.80	7,074.14	1,296.89	-1,017.11	1,648.16	0.24	0.00	-11.58	
7,507.00	1.000	141.90	7,169.12	1,295.25	-1,016.68	1,646.60	0.87	-0.21	-45.16	
7,601.00	0.800	135.20	7,263.11	1,294.14	-1,015.72	1,645.13	0.24	-0.21	-7.13	
7,696.00	2.500	129.90	7,358.07	1,292.34	-1,013.66	1,642.45	1.79	1.79	-5.58	
7,791.00	1.500	183.30	7,453.01	1,289.77	-1,012.14	1,639.49	2.11	-1.05	56.21	
7,886.00	1.700	180.30	7,547.98	1,287.12	-1,012.22	1,637.45	0.23	0.21	-3.16	
7,980.00	1.300	185.70	7,641.95	1,284.66	-1,012.33	1,635.58	0.45	-0.43	5.74	
8,076.00	2.000	180.10	7,737.90	1,281.90	-1,012.44	1,633.47	0.75	0.73	-5.83	
Last Sharewell Survey										
8,150.00	1.900	183.20	7,811.86	1,279.38	-1,012.51	1,631.54	0.20	-0.14	4.19	
Projection to Bit										

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	CompassVM

Survey Annotations				
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		+N/-S (ft)	+E/-W (ft)	
650.00	649.99	-1.04	0.60	Tie Into Gyro
3,432.00	3,251.18	696.94	-516.09	As of June 4
5,612.00	5,274.56	1,294.28	-998.66	As of June 5
7,032.00	6,694.18	1,301.78	-1,017.50	As of June 6
8,076.00	7,737.90	1,281.90	-1,012.44	Last Sharewell Survey
8,150.00	7,811.86	1,279.38	-1,012.51	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____