

Bill Barrett Corp.

Garfield Co., CO (NAD83)

Dixon SWNW-23-692

Dixon Federal 41A-22-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

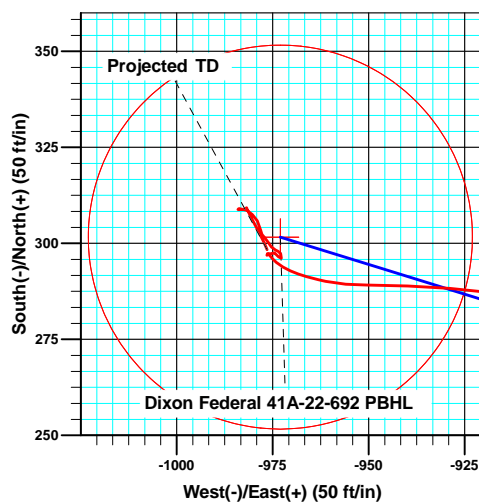
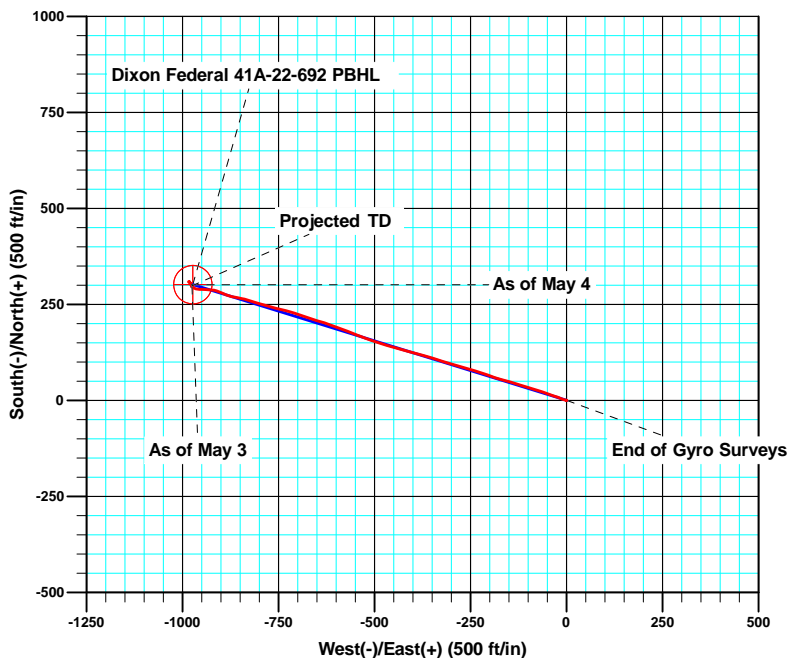
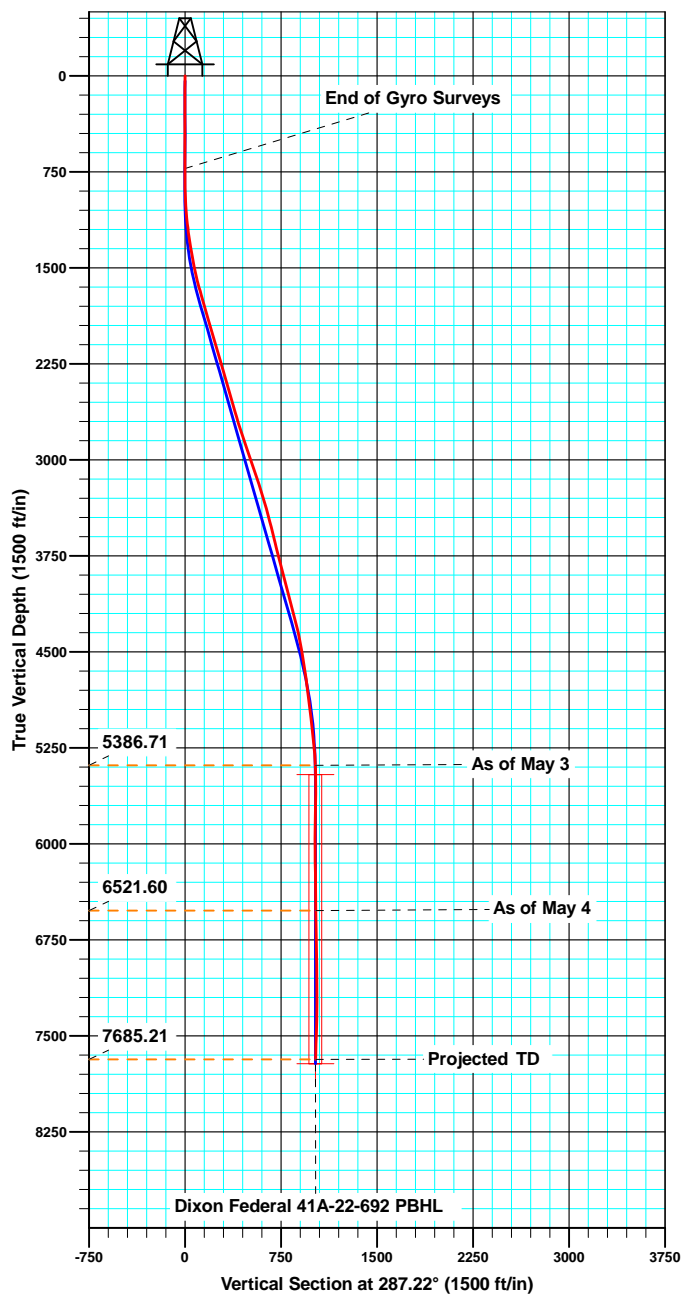
07 May, 2012

Dixon Federal 41A-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	1619869.67	2395577.92	39° 30' 56.71 N	107° 38' 33.42 W

GL @ 5815.00 WELL @ 5878.00ft (Original Well Elev)



T
 M Azimuths to True North
 Magnetic North: 10.09°
 Magnetic Field
 Strength: 52221.3snT
 Dip Angle: 65.80°
 Date: 4/23/2012
 Model: IGRF2010
 Start Drop -1.50

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
5386.71	5516.00	2.300	323.90	296.02	-975.06	1018.98	1026.21	As of May 3
6521.60	6651.00	1.300	306.80	301.48	-977.12	1022.58	1042.40	As of May 4
7685.21	7815.00	2.300	156.40	298.38	-976.50	1021.06	1071.03	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41A-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 41A-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 41A-22-692				
Well Position	+N/-S	0.00 ft	Northing:	1,619,869.66 usft	Latitude:	39° 30' 56.71 N
	+E/-W	0.00 ft	Easting:	2,395,577.92 usft	Longitude:	107° 38' 33.42 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	4/23/2012	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	287.22	

Survey Program	Date	5/7/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	645.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
878.00	7,815.00	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	
100.00	0.450	55.29	100.00	0.22	0.32	-0.24	0.45	0.45	0.00	
200.00	0.180	181.39	200.00	0.29	0.64	-0.53	0.57	-0.27	126.10	
300.00	0.280	70.09	300.00	0.22	0.87	-0.76	0.38	0.10	-111.30	
400.00	0.230	223.96	400.00	0.16	0.96	-0.87	0.50	-0.05	153.87	
500.00	0.190	121.81	500.00	-0.08	0.96	-0.94	0.33	-0.04	-102.15	
600.00	0.270	26.20	600.00	0.05	1.20	-1.14	0.35	0.08	-95.61	
645.00	0.135	20.30	645.00	0.19	1.27	-1.16	0.30	-0.30	-13.11	
878.00	0.700	285.30	877.99	0.83	-0.01	0.25	0.31	0.24	-40.77	
970.00	3.500	276.50	969.92	1.29	-3.34	3.57	3.05	3.04	-9.57	

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41A-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 41A-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)
1,064.00	4.700	292.00	1,063.68	3.06	-9.76	10.23	1.73	1.28	16.49
1,159.00	6.200	294.10	1,158.25	6.61	-18.05	19.20	1.59	1.58	2.21
1,254.00	8.100	287.30	1,252.51	10.70	-29.13	30.99	2.19	2.00	-7.16
1,349.00	9.100	288.80	1,346.44	15.11	-42.63	45.19	1.08	1.05	1.58
1,444.00	10.700	290.00	1,440.02	20.55	-58.03	61.51	1.70	1.68	1.26
1,536.00	13.700	287.50	1,529.93	26.75	-76.45	80.94	3.31	3.26	-2.72
1,631.00	13.500	286.90	1,622.27	33.35	-97.79	103.28	0.26	-0.21	-0.63
1,725.00	15.900	287.30	1,713.19	40.37	-120.58	127.13	2.56	2.55	0.43
1,820.00	16.000	287.00	1,804.53	48.07	-145.53	153.24	0.14	0.11	-0.32
1,915.00	15.700	283.80	1,895.92	54.96	-170.53	179.16	0.97	-0.32	-3.37
2,010.00	16.900	290.00	1,987.10	62.75	-195.99	205.79	2.22	1.26	6.53
2,105.00	16.800	288.40	2,078.03	71.81	-222.00	233.31	0.50	-0.11	-1.68
2,200.00	16.500	287.00	2,169.04	80.09	-247.93	260.52	0.53	-0.32	-1.47
2,295.00	15.900	286.00	2,260.27	87.62	-273.34	287.02	0.70	-0.63	-1.05
2,389.00	15.400	284.30	2,350.79	94.25	-297.81	312.36	0.72	-0.53	-1.81
2,484.00	16.500	289.00	2,442.13	101.76	-322.79	338.45	1.78	1.16	4.95
2,579.00	16.200	287.30	2,533.29	110.09	-348.20	365.18	0.59	-0.32	-1.79
2,673.00	15.500	285.40	2,623.72	117.33	-372.83	390.85	0.93	-0.74	-2.02
2,767.00	17.200	284.80	2,713.91	124.21	-398.37	417.29	1.82	1.81	-0.64
2,862.00	18.600	284.80	2,804.31	131.67	-426.60	446.46	1.47	1.47	0.00
2,957.00	19.300	287.60	2,894.16	140.29	-456.22	477.30	1.21	0.74	2.95
3,052.00	19.000	286.30	2,983.91	149.38	-486.03	508.46	0.55	-0.32	-1.37
3,146.00	19.500	290.20	3,072.65	159.09	-515.44	539.43	1.47	0.53	4.15
3,242.00	17.500	291.80	3,163.69	169.98	-543.88	569.82	2.15	-2.08	1.67
3,336.00	16.700	290.80	3,253.53	180.03	-569.63	597.39	0.91	-0.85	-1.06
3,431.00	15.900	290.00	3,344.71	189.33	-594.62	624.01	0.87	-0.84	-0.84
3,526.00	15.400	289.70	3,436.19	198.03	-618.72	649.61	0.53	-0.53	-0.32
3,620.00	14.200	287.00	3,527.07	205.61	-641.50	673.61	1.47	-1.28	-2.87
3,715.00	13.600	285.60	3,619.29	212.02	-663.40	696.43	0.72	-0.63	-1.47
3,810.00	14.900	291.90	3,711.37	219.58	-685.49	719.77	2.13	1.37	6.63
3,904.00	13.900	286.80	3,802.42	227.35	-707.52	743.11	1.72	-1.06	-5.43
4,000.00	15.500	284.90	3,895.28	233.98	-730.95	767.46	1.74	1.67	-1.98
4,094.00	14.400	283.20	3,986.09	239.88	-754.47	791.67	1.26	-1.17	-1.81
4,189.00	14.100	284.60	4,078.17	245.49	-777.17	815.01	0.48	-0.32	1.47
4,284.00	15.800	288.20	4,169.95	252.45	-800.66	839.50	2.04	1.79	3.79
4,378.00	14.200	287.10	4,260.75	259.84	-823.83	863.83	1.73	-1.70	-1.17
4,474.00	12.100	282.20	4,354.23	265.43	-844.93	885.63	2.47	-2.19	-5.10
4,568.00	10.200	279.80	4,446.45	268.93	-862.76	903.70	2.08	-2.02	-2.55
4,663.00	9.800	287.20	4,540.01	272.75	-878.77	920.13	1.42	-0.42	7.79
4,758.00	9.400	294.10	4,633.68	278.31	-893.58	935.91	1.28	-0.42	7.26
4,852.00	7.600	293.60	4,726.65	283.93	-906.28	949.71	1.92	-1.91	-0.53
4,947.00	6.700	277.40	4,820.92	287.16	-917.54	961.42	2.31	-0.95	-17.05
5,042.00	7.100	274.00	4,915.23	288.29	-928.89	972.59	0.60	0.42	-3.58

Sharewell

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Design:	Wellbore #1	Database:	CompassVM

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5,137.00	6.200	272.60	5,009.59	288.93	-939.87	983.27	0.96	-0.95	-1.47	
5,232.00	6.700	269.90	5,103.99	289.15	-950.54	993.53	0.62	0.53	-2.84	
5,326.00	6.500	280.90	5,197.37	290.15	-961.24	1,004.05	1.36	-0.21	11.70	
5,421.00	4.900	294.10	5,291.90	292.82	-970.23	1,013.43	2.17	-1.68	13.89	
5,516.00	2.300	323.90	5,386.71	296.02	-975.06	1,018.98	3.28	-2.74	31.37	
5,611.00	0.300	229.80	5,481.69	297.40	-976.37	1,020.65	2.46	-2.11	-99.05	
5,706.00	0.400	177.50	5,576.68	296.91	-976.55	1,020.67	0.34	0.11	-55.05	
5,801.00	1.100	45.80	5,671.68	297.21	-975.88	1,020.12	1.47	0.74	-138.63	
5,896.00	0.900	117.10	5,766.67	297.51	-974.56	1,018.95	1.24	-0.21	75.05	
5,991.00	1.000	148.70	5,861.66	296.46	-973.47	1,017.59	0.55	0.11	33.26	
6,085.00	0.600	29.40	5,955.65	296.19	-972.80	1,016.88	1.48	-0.43	-126.91	
6,180.00	0.900	331.60	6,050.64	297.28	-972.91	1,017.30	0.81	0.32	-60.84	
6,272.00	0.400	268.70	6,142.64	297.90	-973.57	1,018.12	0.87	-0.54	-68.37	
6,367.00	0.700	310.10	6,237.63	298.27	-974.35	1,018.97	0.50	0.32	43.58	
6,461.00	0.900	307.50	6,331.62	299.09	-975.37	1,020.19	0.22	0.21	-2.77	
6,556.00	0.800	347.10	6,426.61	300.19	-976.11	1,021.23	0.61	-0.11	41.68	
6,651.00	1.300	306.80	6,521.60	301.48	-977.12	1,022.58	0.91	0.53	-42.42	
6,746.00	1.700	352.30	6,616.57	303.53	-978.18	1,024.19	1.28	0.42	47.89	
6,841.00	1.400	324.00	6,711.54	305.86	-979.05	1,025.71	0.85	-0.32	-29.79	
6,936.00	1.100	318.80	6,806.51	307.49	-980.33	1,027.41	0.34	-0.32	-5.47	
7,031.00	1.100	301.60	6,901.50	308.65	-981.71	1,029.08	0.35	0.00	-18.11	
7,126.00	1.600	266.90	6,996.47	309.06	-983.81	1,031.20	0.99	0.53	-36.53	
7,221.00	1.300	98.60	7,091.46	308.82	-984.07	1,031.38	3.04	-0.32	-177.16	
7,315.00	0.800	69.40	7,185.45	308.89	-982.40	1,029.81	0.76	-0.53	-31.06	
7,410.00	0.200	340.20	7,280.44	309.28	-981.83	1,029.38	0.87	-0.63	-93.89	
7,505.00	0.700	157.00	7,375.44	308.91	-981.66	1,029.11	0.95	0.53	186.11	
7,600.00	2.500	153.20	7,470.40	306.52	-980.50	1,027.29	1.90	1.89	-4.00	
7,695.00	2.500	151.70	7,565.31	302.85	-978.59	1,024.38	0.07	0.00	-1.58	
7,765.00	2.300	156.40	7,635.25	300.22	-977.30	1,022.37	0.40	-0.29	6.71	
7,815.00	2.300	156.40	7,685.21	298.38	-976.50	1,021.06	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
5,516.00	5,386.71	296.02	-975.06	As of May 3	
6,651.00	6,521.60	301.48	-977.12	As of May 4	
7,815.00	7,685.21	298.38	-976.50	Projected TD	

Checked By: _____ Approved By: _____ Date: _____