

Bill Barrett Corp.

Garfield Co., CO (NAD83)

Dixon SWNW-23-692

Dixon Federal 41B-22-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

18 May, 2012

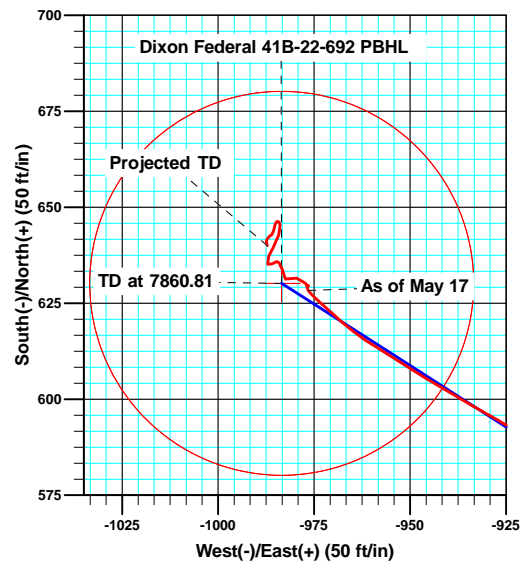
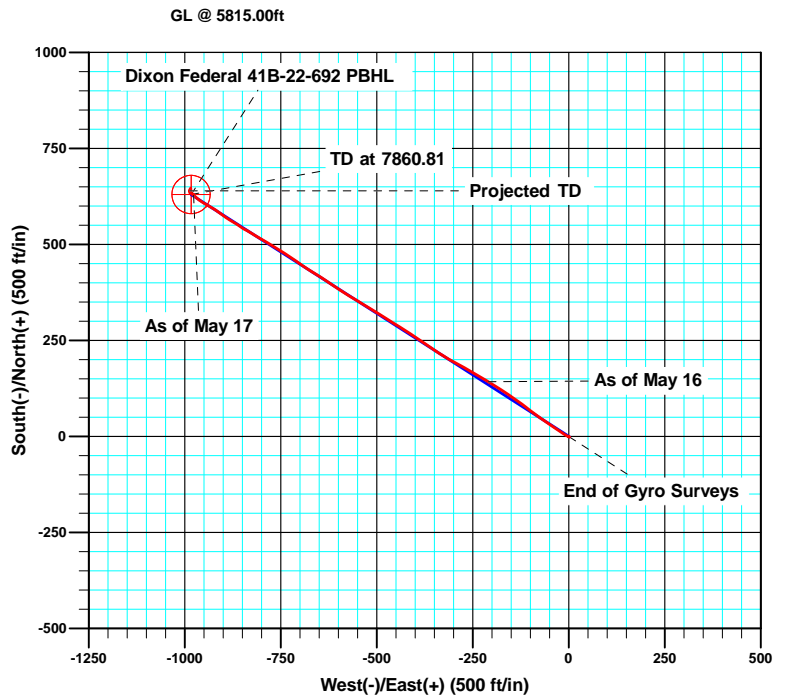
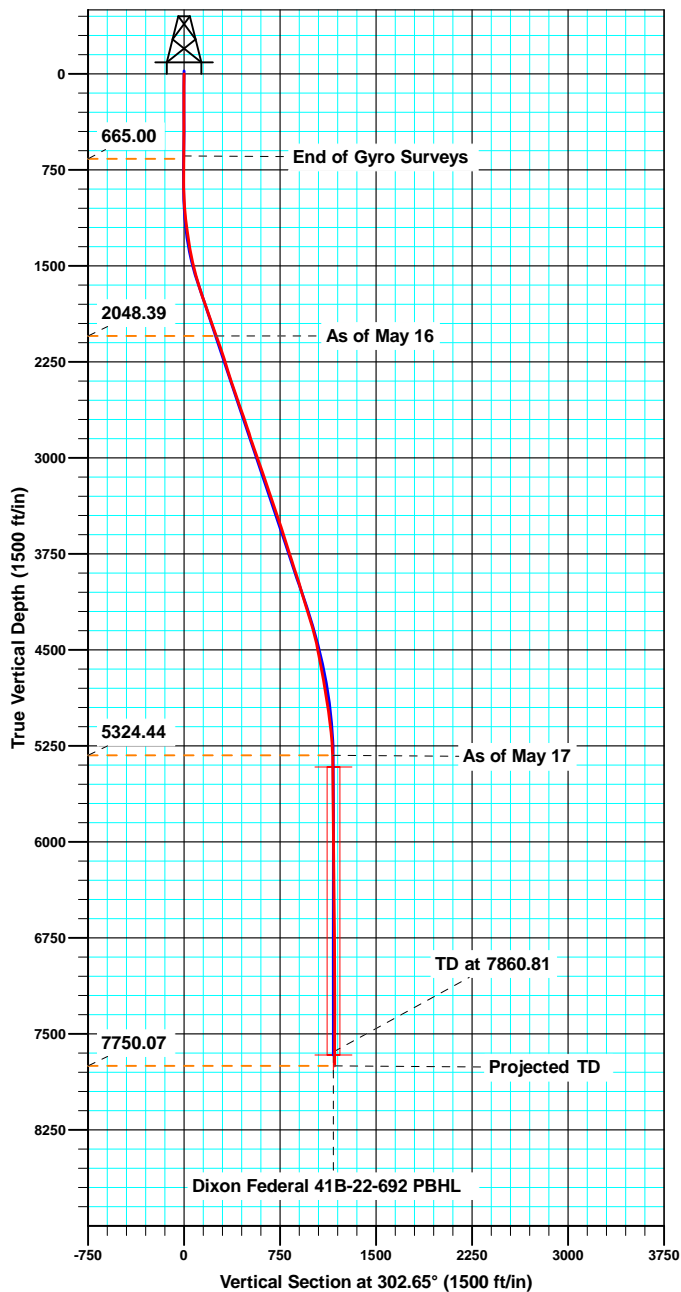


Bill Barrett Corporation

Dixon Federal 41B-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 1619869.86 2395585.55 39° 30' 56.71 N 107° 38' 33.33 W
GL @ 5815.00



T
M Azimuths to True North
Magnetic North: 10.09°
Magnetic Field
Strength: 52221.5snT
Dip Angle: 65.80°
Date: 4/23/2012
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
665.00	665.00	0.140	95.23	-0.92	1.32	-1.61	2.40	End of Gyro Surveys
2048.39	2083.00	19.000	301.40	142.60	-209.19	253.07	259.77	As of May 16
5324.44	5494.00	1.600	324.00	628.34	-976.56	1161.24	1168.87	As of May 17
7750.07	7920.00	0.700	160.80	639.95	-987.20	1176.46	1208.28	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41B-22-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	GL @ 5815.00ft
Site:	Dixon SWNW-23-692	MD Reference:	GL @ 5815.00ft
Well:	Dixon Federal 41B-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 41B-22-692					
Well Position	+N/-S	0.00 ft	Northing:	1,619,869.85 usft	Latitude:	39° 30' 56.71 N
	+E/-W	0.00 ft	Easting:	2,395,585.55 usft	Longitude:	107° 38' 33.33 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	52,222

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		302.65

Survey Program	Date	5/18/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	665.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
855.00	7,920.00	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	0.090	73.17	100.00	0.02	0.08	-0.05	0.09	0.09	0.00	
200.00	0.430	137.31	200.00	-0.23	0.40	-0.47	0.40	0.34	64.14	
300.00	0.090	300.22	300.00	-0.47	0.59	-0.75	0.52	-0.34	162.91	
400.00	0.350	137.66	400.00	-0.65	0.73	-0.97	0.44	0.26	-162.56	
500.00	0.140	3.38	500.00	-0.76	0.94	-1.20	0.46	-0.21	-134.28	
600.00	0.280	133.60	600.00	-0.80	1.13	-1.38	0.39	0.14	130.22	
665.00	0.140	95.23	665.00	-0.92	1.32	-1.61	0.29	-0.22	-59.03	
855.00	0.400	153.60	854.99	-1.54	1.85	-2.38	0.18	0.14	30.72	
947.00	2.500	300.90	946.97	-0.79	0.27	-0.65	3.09	2.28	160.11	

Sharewell

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Well:	Dixon Federal 41B-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)
1,042.00	4.100	294.30	1,041.81	1.67	-4.61	4.78	1.73	1.68	-6.95
1,137.00	6.800	301.60	1,136.37	6.01	-12.49	13.76	2.93	2.84	7.68
1,232.00	8.200	303.50	1,230.56	12.70	-22.93	26.16	1.50	1.47	2.00
1,326.00	8.700	309.10	1,323.54	20.89	-34.04	39.93	1.02	0.53	5.96
1,421.00	11.300	301.90	1,417.09	30.34	-47.52	56.38	3.03	2.74	-7.58
1,514.00	13.400	303.70	1,507.93	41.13	-64.22	76.27	2.30	2.26	1.94
1,608.00	16.100	308.00	1,598.83	55.20	-83.56	100.14	3.10	2.87	4.57
1,703.00	17.800	307.00	1,689.70	72.05	-105.54	127.74	1.82	1.79	-1.05
1,798.00	20.000	305.70	1,779.57	90.27	-130.33	158.44	2.36	2.32	-1.37
1,893.00	19.300	304.10	1,869.04	108.56	-156.53	190.36	0.93	-0.74	-1.68
1,988.00	19.400	303.00	1,958.67	125.95	-182.76	221.83	0.40	0.11	-1.16
2,083.00	19.000	301.40	2,048.39	142.60	-209.19	253.07	0.70	-0.42	-1.68
2,178.00	18.900	300.60	2,138.24	158.49	-235.63	283.91	0.29	-0.11	-0.84
2,273.00	17.900	299.60	2,228.38	173.53	-261.57	313.86	1.10	-1.05	-1.05
2,367.00	17.600	297.10	2,317.91	187.14	-286.78	342.43	0.87	-0.32	-2.66
2,462.00	18.500	300.80	2,408.24	201.41	-312.52	371.79	1.53	0.95	3.89
2,557.00	19.200	303.10	2,498.14	217.65	-338.55	402.48	1.07	0.74	2.42
2,651.00	19.000	304.50	2,586.97	234.76	-364.11	433.23	0.53	-0.21	1.49
2,745.00	19.100	304.40	2,675.82	252.12	-389.41	463.89	0.11	0.11	-0.11
2,840.00	18.500	302.80	2,765.75	269.06	-414.90	494.50	0.83	-0.63	-1.68
2,934.00	17.400	301.70	2,855.18	284.53	-439.40	523.47	1.22	-1.17	-1.17
3,029.00	19.700	302.80	2,945.23	300.67	-464.95	553.69	2.45	2.42	1.16
3,124.00	19.500	301.80	3,034.73	317.70	-491.88	585.55	0.41	-0.21	-1.05
3,219.00	19.200	300.60	3,124.36	334.01	-518.80	617.02	0.52	-0.32	-1.26
3,314.00	18.800	301.80	3,214.19	350.02	-545.26	647.94	0.59	-0.42	1.26
3,409.00	19.700	300.40	3,303.88	366.19	-572.08	679.24	1.06	0.95	-1.47
3,503.00	19.000	305.60	3,392.57	383.12	-598.19	710.36	1.98	-0.74	5.53
3,598.00	18.400	303.20	3,482.56	400.33	-623.31	740.80	1.03	-0.63	-2.53
3,693.00	16.600	302.40	3,573.16	415.81	-647.32	769.36	1.91	-1.89	-0.84
3,787.00	17.600	301.00	3,663.00	430.33	-670.83	797.00	1.15	1.06	-1.49
3,882.00	18.100	305.90	3,753.43	446.38	-695.10	826.09	1.67	0.53	5.16
3,977.00	17.100	303.00	3,843.99	462.64	-718.77	854.79	1.40	-1.05	-3.05
4,072.00	18.500	303.70	3,934.44	478.61	-743.02	883.83	1.49	1.47	0.74
4,167.00	16.900	300.90	4,024.94	494.07	-767.41	912.70	1.91	-1.68	-2.95
4,261.00	16.900	300.20	4,114.88	507.96	-790.95	940.01	0.22	0.00	-0.74
4,356.00	17.400	301.90	4,205.66	522.41	-814.94	968.01	0.75	0.53	1.79
4,451.00	16.300	299.70	4,296.58	536.52	-838.58	995.52	1.34	-1.16	-2.32
4,546.00	14.200	304.10	4,388.23	549.66	-859.81	1,020.49	2.52	-2.21	4.63
4,641.00	12.000	299.80	4,480.75	561.10	-878.03	1,042.01	2.53	-2.32	-4.53
4,736.00	10.000	307.00	4,574.01	570.98	-893.19	1,060.10	2.55	-2.11	7.58
4,830.00	10.400	306.40	4,666.52	580.92	-906.54	1,076.70	0.44	0.43	-0.64
4,925.00	10.000	302.40	4,760.02	590.43	-920.41	1,093.51	0.86	-0.42	-4.21
5,020.00	8.800	298.20	4,853.75	598.28	-933.78	1,109.00	1.45	-1.26	-4.42

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41B-22-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	GL @ 5815.00ft
Site:	Dixon SWNW-23-692	MD Reference:	GL @ 5815.00ft
Well:	Dixon Federal 41B-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)	
5,115.00	8.800	303.00	4,947.63	605.68	-946.27	1,123.51	0.77	0.00	5.05	
5,209.00	8.000	301.20	5,040.62	612.98	-957.90	1,137.24	0.90	-0.85	-1.91	
5,304.00	6.000	311.40	5,134.91	619.69	-967.28	1,148.76	2.47	-2.11	10.74	
5,398.00	3.900	311.90	5,228.55	625.07	-973.35	1,156.77	2.23	-2.23	0.53	
5,494.00	1.600	324.00	5,324.44	628.34	-976.56	1,161.24	2.46	-2.40	12.60	
5,589.00	0.600	62.00	5,419.42	629.65	-976.90	1,162.23	1.88	-1.05	103.16	
5,684.00	0.400	177.00	5,514.42	629.55	-976.45	1,161.80	0.89	-0.21	121.05	
5,778.00	1.700	316.60	5,608.41	630.23	-977.39	1,162.96	2.15	1.38	148.51	
5,874.00	1.500	282.20	5,704.38	631.53	-979.59	1,165.52	1.01	-0.21	-35.83	
5,969.00	1.200	245.90	5,799.35	631.39	-981.72	1,167.23	0.93	-0.32	-38.21	
6,063.00	1.000	355.00	5,893.34	631.81	-982.69	1,168.27	1.91	-0.21	116.06	
6,158.00	1.200	336.50	5,988.32	633.54	-983.16	1,169.60	0.43	0.21	-19.47	
6,250.00	0.500	321.30	6,080.31	634.74	-983.79	1,170.78	0.79	-0.76	-16.52	
6,345.00	0.500	347.20	6,175.31	635.47	-984.14	1,171.47	0.24	0.00	27.26	
6,439.00	0.600	270.20	6,269.31	635.87	-984.73	1,172.18	0.73	0.11	-81.91	
6,534.00	1.200	227.90	6,364.29	635.20	-985.96	1,172.86	0.90	0.63	-44.53	
6,629.00	0.900	327.50	6,459.28	635.17	-987.10	1,173.80	1.70	-0.32	104.84	
6,724.00	1.800	24.70	6,554.26	637.15	-986.88	1,174.68	1.59	0.95	60.21	
6,819.00	1.800	29.90	6,649.21	639.80	-985.51	1,174.96	0.17	0.00	5.47	
6,914.00	2.100	17.70	6,744.16	642.75	-984.24	1,175.48	0.54	0.32	-12.84	
7,008.00	1.100	350.60	6,838.12	645.28	-983.86	1,176.53	1.31	-1.06	-28.83	
7,104.00	0.400	278.90	6,934.12	646.24	-984.34	1,177.45	1.09	-0.73	-74.69	
7,198.00	0.000	86.00	7,028.11	646.30	-984.67	1,177.75	0.43	-0.43	0.00	
7,293.00	0.500	220.50	7,123.11	645.98	-984.94	1,177.81	0.53	0.53	0.00	
7,388.00	0.500	181.20	7,218.11	645.25	-985.21	1,177.65	0.35	0.00	-41.37	
7,483.00	1.100	200.80	7,313.10	643.98	-985.55	1,177.25	0.69	0.63	20.63	
7,577.00	0.400	210.00	7,407.09	642.86	-986.03	1,177.05	0.75	-0.74	9.79	
7,672.00	0.400	259.90	7,502.09	642.51	-986.52	1,177.27	0.36	0.00	52.53	
7,768.00	0.900	206.00	7,598.08	641.77	-987.18	1,177.43	0.77	0.52	-56.15	
7,813.00	0.700	196.30	7,643.08	641.19	-987.42	1,177.31	0.54	-0.44	-21.56	
7,870.00	0.700	160.80	7,700.08	640.53	-987.40	1,176.94	0.75	0.00	-62.28	
7,920.00	0.700	160.80	7,750.07	639.95	-987.20	1,176.46	0.00	0.00	0.00	

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
665.00	665.00	-0.92	1.32	End of Gyro Surveys
2,083.00	2,048.39	142.60	-209.19	As of May 16
5,494.00	5,324.44	628.34	-976.56	As of May 17
7,920.00	7,750.07	639.95	-987.20	Projected TD

Sharewell
Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41B-22-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	GL @ 5815.00ft
Site:	Dixon SWNW-23-692	MD Reference:	GL @ 5815.00ft
Well:	Dixon Federal 41B-22-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	CompassVM

Checked By: _____	Approved By: _____	Date: _____
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