

Bill Barrett Corp.

Garfield Co., CO (NAD83)

Dixon SWNW-23-692

Dixon Federal 41C-22-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

23 May, 2012



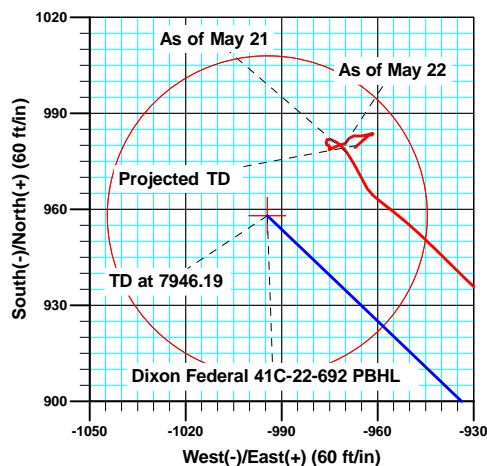
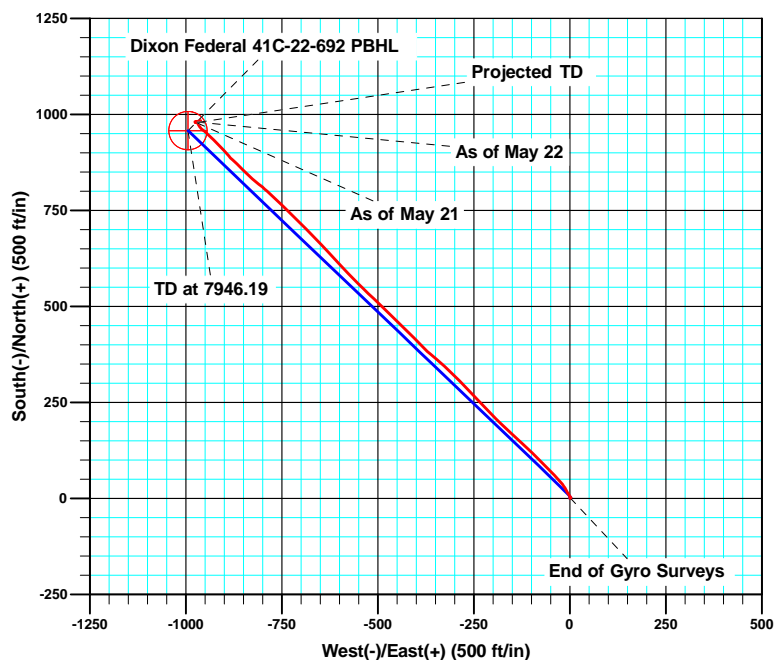
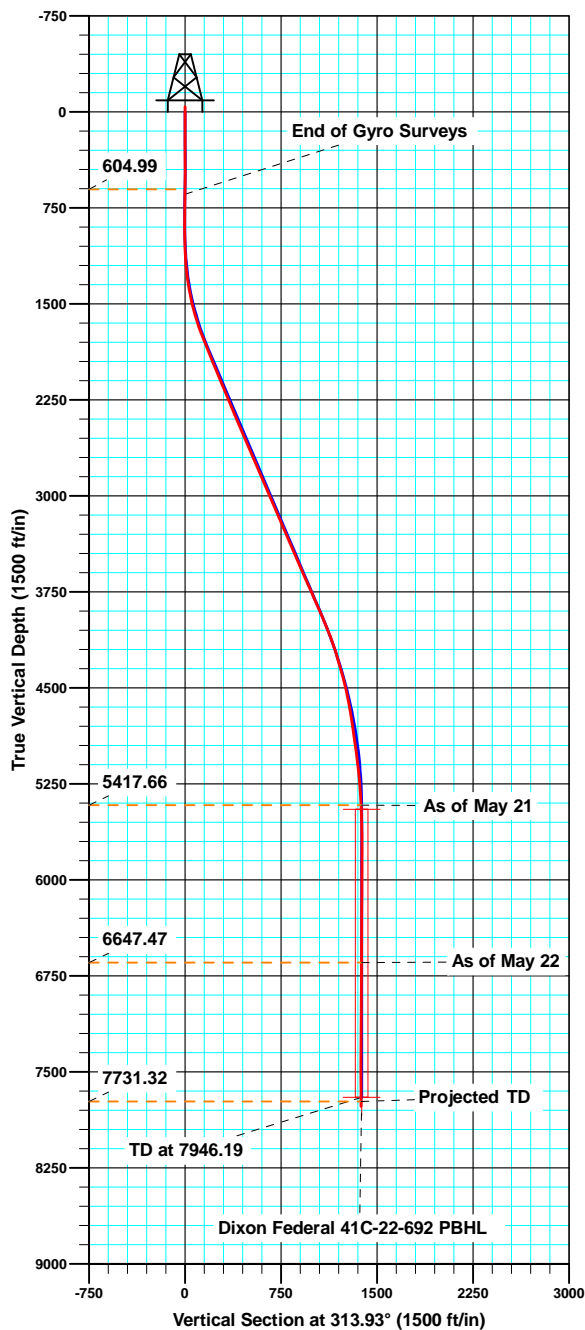
Bill Barrett Corporation

Dixon Federal 41C-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 1619870.04 2395593.45 39° 30' 56.72 N 107° 38' 33.23 W

GL @ 5815.00 KB @ 5838.00ft



M Azimuths to True North
Magnetic North: 10.09°

Magnetic Field
Strength: 52221.4snT
Dip Angle: 65.80°
Date: 4/23/2012
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
644.99	645.00	0.340	69.13	1.07	1.30	-0.19	4.85	End of Gyro Surveys
5457.63	5706.00	2.000	323.30	978.97	-970.51	1378.14	1390.46	As of May 21
6687.47	6936.00	1.100	24.50	980.73	-970.01	1379.00	1409.59	As of May 22
7771.31	8020.00	1.300	226.40	979.31	-967.02	1375.87	1427.87	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41C-22-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 5838.00ft
Site:	Dixon SWNW-23-692	MD Reference:	KB @ 5838.00ft
Well:	Dixon Federal 41C-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 41C-22-692					
Well Position	+N/-S	0.00 ft	Northing:	1,619,870.03 usft	Latitude:	39° 30' 56.72 N
	+E/-W	0.00 ft	Easting:	2,395,593.45 usft	Longitude:	107° 38' 33.23 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:	-40.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	-40.00	0.00	0.00		313.93

Survey Program	Date	5/23/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
60.00	645.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
878.00	8,020.00	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)	
-40.00	0.000	0.00	-40.00	0.00	0.00	0.00	0.00	0.00	0.00	
60.00	0.700	337.08	60.00	0.56	-0.24	0.56	0.70	0.70	0.00	
160.00	0.410	113.72	159.99	0.98	-0.15	0.79	1.04	-0.29	136.64	
260.00	0.310	314.05	259.99	1.03	-0.02	0.72	0.71	-0.10	-159.67	
360.00	0.490	111.69	359.99	1.06	0.19	0.60	0.79	0.18	157.64	
460.00	0.390	23.11	459.99	1.21	0.72	0.32	0.62	-0.10	-88.58	
560.00	0.360	158.12	559.99	1.23	0.97	0.16	0.69	-0.03	135.01	
645.00	0.340	69.13	644.99	1.07	1.30	-0.19	0.58	-0.02	-104.69	
878.00	0.400	62.60	877.98	1.69	2.67	-0.75	0.03	0.03	-2.80	
970.00	0.500	119.10	969.98	1.65	3.31	-1.24	0.47	0.11	61.41	

Sharewell

Survey Report

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Site:	Dixon SWNW-23-692	MD Reference:	KB @ 5838.00ft
Well:	Dixon Federal 41C-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	1.600	313.10	1,063.97	2.34	2.71	-0.32	2.22	1.17	-176.60
1,160.00	4.200	325.80	1,159.84	6.17	-0.25	4.46	2.77	2.71	13.23
1,255.00	7.300	329.10	1,254.35	14.23	-5.30	13.69	3.28	3.26	3.47
1,349.00	9.300	331.90	1,347.36	26.05	-11.95	26.68	2.17	2.13	2.98
1,444.00	11.600	319.70	1,440.79	40.11	-21.74	43.49	3.35	2.42	-12.84
1,537.00	14.200	316.20	1,531.44	55.48	-35.69	64.19	2.92	2.80	-3.76
1,631.00	17.100	315.60	1,621.95	73.68	-53.34	89.53	3.09	3.09	-0.64
1,726.00	19.700	315.80	1,712.08	95.14	-74.28	119.50	2.74	2.74	0.21
1,821.00	22.100	313.40	1,800.83	118.90	-98.43	153.38	2.68	2.53	-2.53
1,916.00	23.000	313.50	1,888.56	143.96	-124.88	189.81	0.95	0.95	0.11
2,011.00	23.000	312.60	1,976.01	169.29	-152.00	226.93	0.37	0.00	-0.95
2,106.00	22.300	313.10	2,063.68	194.17	-178.83	263.50	0.76	-0.74	0.53
2,201.00	22.700	315.80	2,151.45	219.63	-204.77	299.85	1.17	0.42	2.84
2,295.00	22.400	318.20	2,238.27	245.99	-229.35	335.84	1.03	-0.32	2.55
2,390.00	22.600	315.90	2,326.04	272.59	-254.12	372.13	0.95	0.21	-2.42
2,485.00	22.700	315.30	2,413.71	298.73	-279.72	408.70	0.27	0.11	-0.63
2,580.00	24.000	314.20	2,500.93	325.23	-306.46	446.35	1.44	1.37	-1.16
2,673.00	23.600	312.40	2,586.02	350.97	-333.77	483.87	0.89	-0.43	-1.94
2,768.00	22.600	309.60	2,673.41	375.43	-361.88	521.08	1.56	-1.05	-2.95
2,863.00	21.900	316.80	2,761.35	399.98	-388.08	556.99	2.96	-0.74	7.58
2,957.00	23.500	314.30	2,848.07	425.85	-413.49	593.24	1.99	1.70	-2.66
3,052.00	24.800	314.40	2,934.75	453.02	-441.28	632.10	1.37	1.37	0.11
3,147.00	24.300	314.60	3,021.16	480.69	-469.44	671.57	0.53	-0.53	0.21
3,242.00	23.700	314.20	3,107.95	507.72	-497.04	710.21	0.65	-0.63	-0.42
3,337.00	22.900	312.40	3,195.20	533.50	-524.38	747.78	1.13	-0.84	-1.89
3,431.00	22.900	315.40	3,281.80	558.85	-550.73	784.35	1.24	0.00	3.19
3,526.00	23.600	316.20	3,369.08	585.74	-576.87	821.83	0.81	0.74	0.84
3,621.00	22.500	316.70	3,456.49	612.69	-602.50	858.99	1.18	-1.16	0.53
3,716.00	22.900	317.50	3,544.14	639.55	-627.45	895.59	0.53	0.42	0.84
3,810.00	24.700	316.50	3,630.14	667.28	-653.33	933.47	1.96	1.91	-1.06
3,905.00	24.300	315.40	3,716.59	695.60	-680.72	972.84	0.64	-0.42	-1.16
4,000.00	23.000	314.70	3,803.60	722.57	-707.64	1,010.94	1.40	-1.37	-0.74
4,094.00	24.000	313.90	3,889.81	748.75	-734.47	1,048.42	1.12	1.06	-0.85
4,190.00	23.400	314.60	3,977.71	775.67	-762.11	1,087.00	0.69	-0.63	0.73
4,284.00	21.400	311.30	4,064.62	800.10	-788.28	1,122.80	2.51	-2.13	-3.51
4,379.00	18.300	308.50	4,153.96	820.83	-812.98	1,154.97	3.41	-3.26	-2.95
4,474.00	17.700	313.10	4,244.32	839.98	-835.20	1,184.26	1.62	-0.63	4.84
4,569.00	16.100	316.00	4,335.21	859.33	-854.90	1,211.87	1.90	-1.68	3.05
4,664.00	14.200	311.70	4,426.91	876.55	-872.75	1,236.68	2.32	-2.00	-4.53
4,759.00	12.600	318.50	4,519.33	892.07	-888.32	1,258.66	2.36	-1.68	7.16
4,853.00	11.300	318.00	4,611.29	906.59	-901.28	1,278.06	1.39	-1.38	-0.53
4,948.00	9.800	316.90	4,704.68	919.41	-913.03	1,295.42	1.59	-1.58	-1.16
5,043.00	7.700	312.10	4,798.57	929.58	-923.28	1,309.86	2.34	-2.21	-5.05

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41C-22-692
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Site:	Dixon SWNW-23-692	MD Reference:	KB @ 5838.00ft
Well:	Dixon Federal 41C-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)	
5,138.00	7.900	314.40	4,892.69	938.42	-932.66	1,322.75	0.39	0.21	2.42	
5,232.00	8.200	314.70	4,985.77	947.65	-942.04	1,335.91	0.32	0.32	0.32	
5,327.00	6.900	310.20	5,079.94	956.10	-951.22	1,348.38	1.50	-1.37	-4.74	
5,421.00	5.600	306.50	5,173.38	962.48	-959.22	1,358.56	1.45	-1.38	-3.94	
5,516.00	4.700	335.70	5,268.01	968.78	-964.55	1,366.78	2.88	-0.95	30.74	
5,611.00	3.800	327.60	5,362.75	974.99	-967.84	1,373.45	1.14	-0.95	-8.53	
5,706.00	2.000	323.30	5,457.63	978.97	-970.51	1,378.14	1.91	-1.89	-4.53	
5,801.00	1.500	296.60	5,552.58	980.86	-972.62	1,380.97	0.99	-0.53	-28.11	
5,897.00	1.100	293.00	5,648.56	981.78	-974.59	1,383.03	0.43	-0.42	-3.75	
5,992.00	0.600	229.00	5,743.55	981.81	-975.80	1,383.92	1.05	-0.53	-67.37	
6,087.00	0.900	168.90	5,838.54	980.75	-976.03	1,383.35	0.84	0.32	-63.26	
6,181.00	0.100	22.60	5,932.54	980.11	-975.86	1,382.78	1.05	-0.85	-155.64	
6,273.00	0.600	104.00	6,024.54	980.06	-975.36	1,382.39	0.64	0.54	88.48	
6,368.00	0.600	186.40	6,119.53	979.45	-974.93	1,381.66	0.83	0.00	86.74	
6,462.00	0.400	198.40	6,213.53	978.65	-975.09	1,381.22	0.24	-0.21	12.77	
6,557.00	1.700	54.70	6,308.52	979.15	-974.05	1,380.81	2.14	1.37	-151.26	
6,652.00	1.300	83.00	6,403.49	980.09	-971.83	1,379.87	0.87	-0.42	29.79	
6,747.00	0.600	54.90	6,498.47	980.51	-970.35	1,379.09	0.86	-0.74	-29.58	
6,842.00	0.600	206.10	6,593.47	980.35	-970.16	1,378.85	1.22	0.00	159.16	
6,936.00	1.100	24.50	6,687.47	980.73	-970.01	1,379.00	1.81	0.53	189.79	
7,031.00	1.100	45.90	6,782.45	982.19	-968.97	1,379.27	0.43	0.00	22.53	
7,126.00	1.000	82.70	6,877.43	982.93	-967.50	1,378.72	0.70	-0.11	38.74	
7,221.00	0.600	110.50	6,972.42	982.86	-966.21	1,377.74	0.58	-0.42	29.26	
7,316.00	1.100	72.90	7,067.41	982.96	-964.87	1,376.84	0.76	0.53	-39.58	
7,411.00	1.100	85.40	7,162.40	983.30	-963.09	1,375.80	0.25	0.00	13.16	
7,506.00	0.500	106.20	7,257.39	983.26	-961.78	1,374.83	0.69	-0.63	21.89	
7,600.00	0.600	0.50	7,351.39	983.64	-961.38	1,374.80	0.93	0.11	-112.45	
7,695.00	0.800	234.90	7,446.38	983.75	-961.92	1,375.27	1.31	0.21	-132.21	
7,790.00	0.900	228.10	7,541.37	982.87	-963.02	1,375.45	0.15	0.11	-7.16	
7,885.00	1.600	230.10	7,636.35	981.52	-964.59	1,375.65	0.74	0.74	2.11	
7,970.00	1.300	226.40	7,721.32	980.10	-966.20	1,375.82	0.37	-0.35	-4.35	
8,020.00	1.300	226.40	7,771.31	979.31	-967.02	1,375.87	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
645.00	644.99	1.07	1.30	End of Gyro Surveys	
5,706.00	5,457.63	978.97	-970.51	As of May 21	
6,936.00	6,687.47	980.73	-970.01	As of May 22	
8,020.00	7,771.31	979.31	-967.02	Projected TD	

Sharewell
Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 41C-22-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 5838.00ft
Site:	Dixon SWNW-23-692	MD Reference:	KB @ 5838.00ft
Well:	Dixon Federal 41C-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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