

Bill Barrett Corp.

Garfield Co., CO (NAD83)

Dixon SWNW-23-692

Dixon Federal 42C-22-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

14 May, 2012

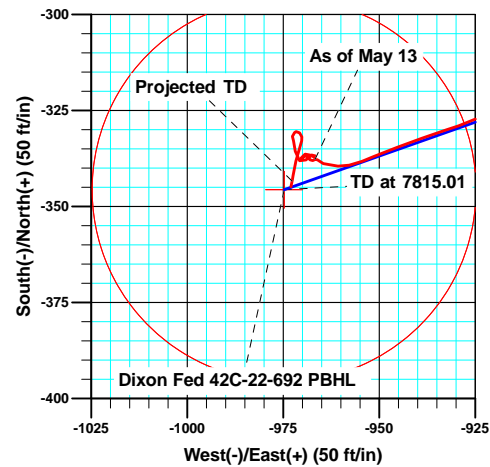
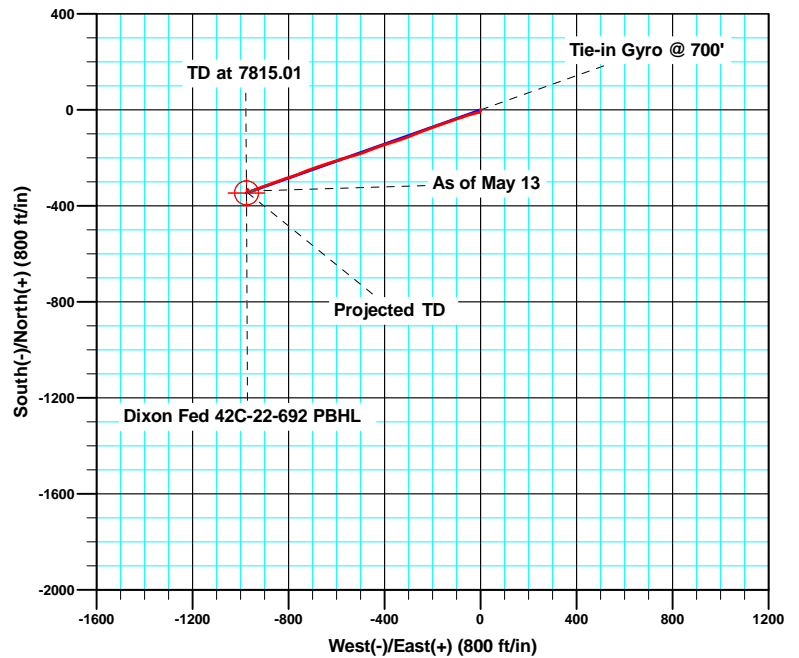
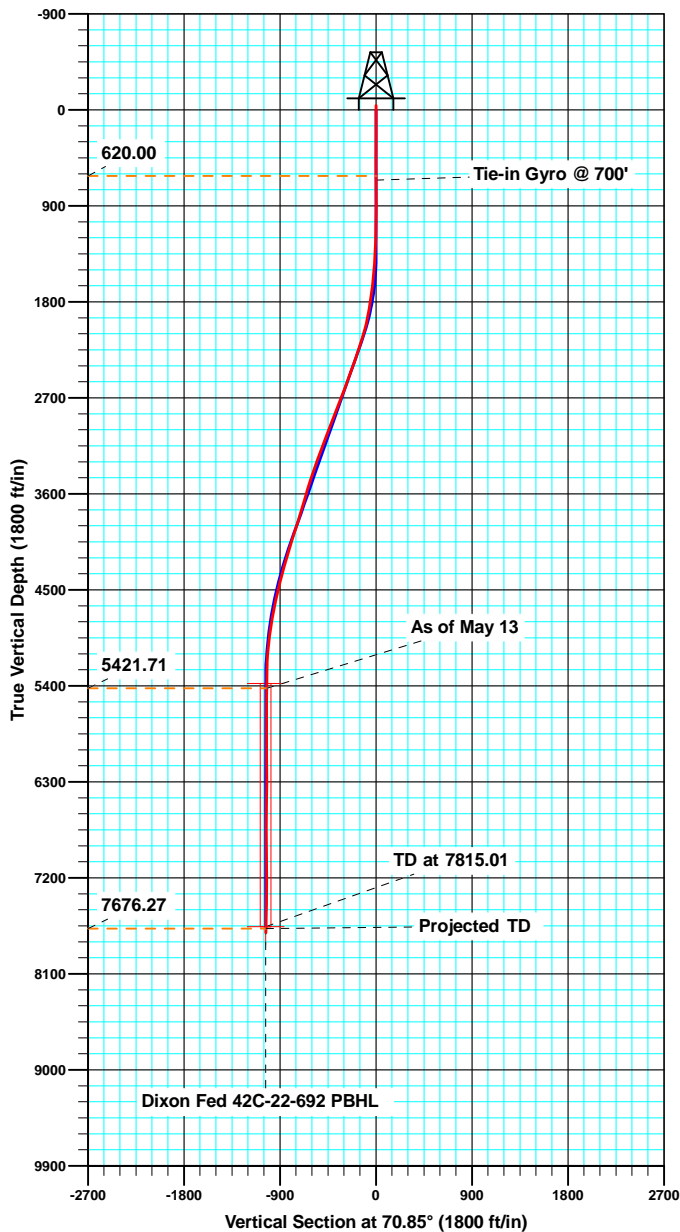


Bill Barrett Corporation

Dixon Federal 42C-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 1619860.03 2395585.60 39° 30' 56.62 N 107° 38' 33.32 W
GL @ 5815.00 KB @ 5838.00ft



MAzimuths to True North
Magnetic North: 10.09°

Magnetic Field
Strength: 52221.3snT
Dip Angle: 65.80°
Date: 4/23/2012
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
660.00	660.00	0.070	214.71	0.39	1.13	1.20	2.30	Tie-in Gyro @ 700'
5461.71	5612.00	1.000	229.40	-338.04	-967.26	-1024.63	1037.04	As of May 13
7716.24	7867.00	2.100	191.40	-344.80	-972.96	-1032.23	1079.37	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 42C-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 42C-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 42C-22-692				
Well Position	+N/-S	0.00 ft	Northing:	1,619,860.02 usft	Latitude:	39° 30' 56.62 N
	+E/-W	0.00 ft	Easting:	2,395,585.60 usft	Longitude:	107° 38' 33.32 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	70.85	

Survey Program	Date	5/14/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
60.00	660.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
878.00	7,867.00	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	0.260	34.43	60.00	0.19	0.13	0.18	0.26	0.26	0.00	
160.00	0.270	140.74	160.00	0.19	0.41	0.45	0.42	0.01	106.31	
260.00	0.120	331.28	260.00	0.10	0.50	0.51	0.39	-0.15	-169.46	
360.00	0.220	107.22	360.00	0.14	0.64	0.65	0.32	0.10	135.94	
460.00	0.100	137.53	460.00	0.02	0.88	0.84	0.14	-0.12	30.31	
560.00	0.310	24.63	560.00	0.20	1.05	1.06	0.36	0.21	-112.90	
660.00	0.070	214.71	660.00	0.39	1.13	1.20	0.38	-0.24	-169.92	
878.00	0.400	5.60	878.00	1.04	1.13	1.41	0.21	0.15	69.22	
971.00	0.200	334.20	970.99	1.51	1.09	1.52	0.27	-0.22	-33.76	

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Dixon Federal 42C-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 42C-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	1.300	199.10	1,064.99	0.65	0.67	0.84	1.54	1.17	-143.72
1,160.00	2.200	184.10	1,159.94	-2.19	0.19	-0.54	1.06	0.95	-15.79
1,255.00	3.100	213.00	1,254.84	-6.16	-1.34	-3.29	1.67	0.95	30.42
1,350.00	3.500	236.70	1,349.69	-9.91	-5.17	-8.13	1.48	0.42	24.95
1,445.00	4.800	266.70	1,444.45	-11.73	-11.56	-14.77	2.62	1.37	31.58
1,538.00	5.400	253.60	1,537.08	-13.19	-19.64	-22.88	1.40	0.65	-14.09
1,632.00	5.100	257.10	1,630.69	-15.37	-27.96	-31.45	0.47	-0.32	3.72
1,726.00	6.900	255.30	1,724.17	-17.74	-37.49	-41.24	1.93	1.91	-1.91
1,821.00	9.000	251.20	1,818.25	-21.58	-50.05	-54.36	2.29	2.21	-4.32
1,916.00	11.300	250.30	1,911.76	-27.11	-65.85	-71.10	2.43	2.42	-0.95
2,011.00	13.400	252.90	2,004.56	-33.49	-85.13	-91.41	2.29	2.21	2.74
2,106.00	16.000	251.40	2,096.44	-40.90	-108.07	-115.51	2.77	2.74	-1.58
2,201.00	18.000	251.40	2,187.29	-49.76	-134.39	-143.28	2.11	2.11	0.00
2,296.00	17.800	249.10	2,277.69	-59.62	-161.87	-172.47	0.77	-0.21	-2.42
2,390.00	19.000	250.60	2,366.88	-69.83	-189.73	-202.13	1.37	1.28	1.60
2,485.00	20.300	250.30	2,456.35	-80.52	-219.83	-234.08	1.37	1.37	-0.32
2,580.00	21.400	248.70	2,545.13	-92.37	-251.49	-267.88	1.30	1.16	-1.68
2,674.00	21.100	247.00	2,632.74	-105.21	-283.04	-301.90	0.73	-0.32	-1.81
2,768.00	20.500	250.30	2,720.61	-117.37	-314.12	-335.24	1.40	-0.64	3.51
2,863.00	21.100	252.80	2,809.42	-128.04	-346.11	-368.96	1.13	0.63	2.63
2,958.00	21.000	252.60	2,898.08	-138.19	-378.69	-403.07	0.13	-0.11	-0.21
3,053.00	21.100	250.70	2,986.74	-148.93	-411.08	-437.18	0.73	0.11	-2.00
3,148.00	20.900	250.00	3,075.43	-160.38	-443.14	-471.23	0.34	-0.21	-0.74
3,242.00	20.500	246.80	3,163.37	-172.59	-474.02	-504.41	1.28	-0.43	-3.40
3,337.00	20.000	253.70	3,252.51	-183.71	-504.91	-537.24	2.57	-0.53	7.26
3,432.00	19.300	253.60	3,341.98	-192.70	-535.56	-569.14	0.74	-0.74	-0.11
3,527.00	18.800	254.50	3,431.77	-201.23	-565.38	-600.10	0.61	-0.53	0.95
3,621.00	17.600	252.90	3,521.07	-209.45	-593.56	-629.42	1.38	-1.28	-1.70
3,716.00	16.000	251.30	3,612.01	-217.87	-619.69	-656.87	1.75	-1.68	-1.68
3,810.00	16.800	252.70	3,702.19	-226.07	-644.93	-683.40	0.95	0.85	1.49
3,905.00	17.100	251.40	3,793.06	-234.60	-671.27	-711.09	0.51	0.32	-1.37
4,000.00	17.500	248.80	3,883.76	-244.22	-697.83	-739.33	0.92	0.42	-2.74
4,095.00	18.000	250.30	3,974.24	-254.34	-724.97	-768.28	0.71	0.53	1.58
4,190.00	16.400	247.10	4,064.99	-264.51	-751.14	-796.35	1.96	-1.68	-3.37
4,285.00	17.500	250.40	4,155.87	-274.52	-776.95	-824.01	1.54	1.16	3.47
4,379.00	16.200	252.80	4,245.83	-283.14	-802.79	-851.25	1.57	-1.38	2.55
4,475.00	15.000	250.70	4,338.29	-291.20	-827.31	-877.06	1.38	-1.25	-2.19
4,569.00	13.100	250.70	4,429.48	-298.74	-848.85	-899.88	2.02	-2.02	0.00
4,664.00	12.600	247.10	4,522.10	-306.33	-868.56	-920.98	0.99	-0.53	-3.79
4,759.00	12.300	252.40	4,614.87	-313.43	-887.75	-941.44	1.24	-0.32	5.58
4,853.00	11.300	249.10	4,706.88	-319.74	-905.90	-960.66	1.28	-1.06	-3.51
4,948.00	9.800	247.60	4,800.27	-326.14	-922.07	-978.03	1.61	-1.58	-1.58
5,043.00	8.100	252.30	4,894.11	-331.26	-935.92	-992.80	1.95	-1.79	4.95

Sharewell

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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	5.700	247.30	4,988.42	-335.11	-946.65	-1,004.20	2.60	-2.53	-5.26	
5,233.00	4.500	249.40	5,083.04	-338.25	-954.49	-1,012.63	1.28	-1.26	2.21	
5,327.00	3.400	271.00	5,176.82	-339.49	-960.73	-1,018.93	1.95	-1.17	22.98	
5,422.00	1.400	303.70	5,271.74	-338.80	-964.51	-1,022.28	2.47	-2.11	34.42	
5,517.00	0.800	299.50	5,366.72	-337.83	-966.05	-1,023.42	0.64	-0.63	-4.42	
5,612.00	1.000	229.40	5,461.71	-338.04	-967.26	-1,024.63	1.10	0.21	-73.79	
5,707.00	0.900	350.90	5,556.70	-337.85	-968.01	-1,025.27	1.75	-0.11	127.89	
5,802.00	0.600	294.30	5,651.70	-336.90	-968.58	-1,025.50	0.80	-0.32	-59.58	
5,897.00	0.600	241.30	5,746.69	-336.94	-969.47	-1,026.35	0.56	0.00	-55.79	
5,992.00	0.700	216.60	5,841.69	-337.64	-970.25	-1,027.32	0.31	0.11	-26.00	
6,086.00	1.100	24.10	5,935.68	-337.28	-970.23	-1,027.18	1.90	0.43	178.19	
6,181.00	0.700	85.20	6,030.67	-336.40	-969.28	-1,025.99	1.03	-0.42	64.32	
6,273.00	0.800	111.80	6,122.66	-336.59	-968.12	-1,024.96	0.39	0.11	28.91	
6,368.00	0.900	115.50	6,217.65	-337.16	-966.83	-1,023.93	0.12	0.11	3.89	
6,462.00	1.000	324.20	6,311.65	-336.81	-966.64	-1,023.64	1.96	0.11	-160.96	
6,557.00	0.800	230.60	6,406.64	-336.56	-967.64	-1,024.50	1.39	-0.21	-98.53	
6,652.00	1.500	224.10	6,501.62	-337.87	-969.02	-1,026.23	0.75	0.74	-6.84	
6,747.00	1.300	308.80	6,596.60	-338.09	-970.72	-1,027.92	1.99	-0.21	89.16	
6,842.00	2.200	352.50	6,691.56	-335.61	-971.80	-1,028.12	1.63	0.95	46.00	
6,937.00	1.100	343.80	6,786.52	-332.92	-972.29	-1,027.70	1.18	-1.16	-9.16	
7,032.00	0.400	356.60	6,881.51	-331.72	-972.57	-1,027.57	0.75	-0.74	13.47	
7,127.00	0.400	62.60	6,976.51	-331.23	-972.29	-1,027.15	0.46	0.00	69.47	
7,222.00	0.400	355.90	7,071.51	-330.75	-972.02	-1,026.73	0.46	0.00	-70.21	
7,316.00	0.500	98.30	7,165.50	-330.48	-971.64	-1,026.28	0.75	0.11	108.94	
7,411.00	0.700	121.00	7,260.50	-330.84	-970.73	-1,025.55	0.32	0.21	23.89	
7,506.00	0.900	170.80	7,355.49	-331.88	-970.12	-1,025.30	0.73	0.21	52.42	
7,601.00	2.400	198.00	7,450.45	-334.51	-970.61	-1,026.63	1.74	1.58	28.63	
7,696.00	2.200	194.80	7,545.37	-338.16	-971.69	-1,028.85	0.25	-0.21	-3.37	
7,791.00	2.500	187.50	7,640.29	-341.98	-972.43	-1,030.80	0.45	0.32	-7.68	
7,817.00	2.100	191.40	7,666.27	-343.01	-972.60	-1,031.30	1.65	-1.54	15.00	
7,867.00	2.100	191.40	7,716.24	-344.80	-972.96	-1,032.23	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
660.00	660.00	0.39	1.13	Tie-in Gyro @ 700'	
5,612.00	5,461.71	-338.04	-967.26	As of May 13	
7,867.00	7,716.24	-344.80	-972.96	Projected TD	

Checked By: _____ Approved By: _____ Date: _____