

Bill Barrett Corp.

Garfield Co., CO (NAD83)

Scott 41C-36-692 Pad (Sec.30-T6S-R91W)

Scott 41C-36-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

21 May, 2012



Project: Garfield Co., CO (NAD83)
Site: Scott 41C-36-692 Pad (Sec.30-T6S-R91W)
Well: Scott 41C-36-692
Wellbore: Wellbore #1
Design: Wellbore #1
Latitude: 39° 29' 32.77 N
Longitude: 107° 36' 19.38 W
Ground Level: 5922.01
WELL @ 5945.01ft



PROJECT DETAILS: Garfield Co., CO (NAD83)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone
System Datum: Mean Sea Level

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Scott 41C-36-692, True North
Vertical (TVD) Reference: WELL @ 5945.01ft
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 5945.01ft
Calculation Method: Minimum Curvature

WELL DETAILS: Scott 41C-36-692

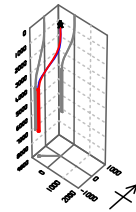
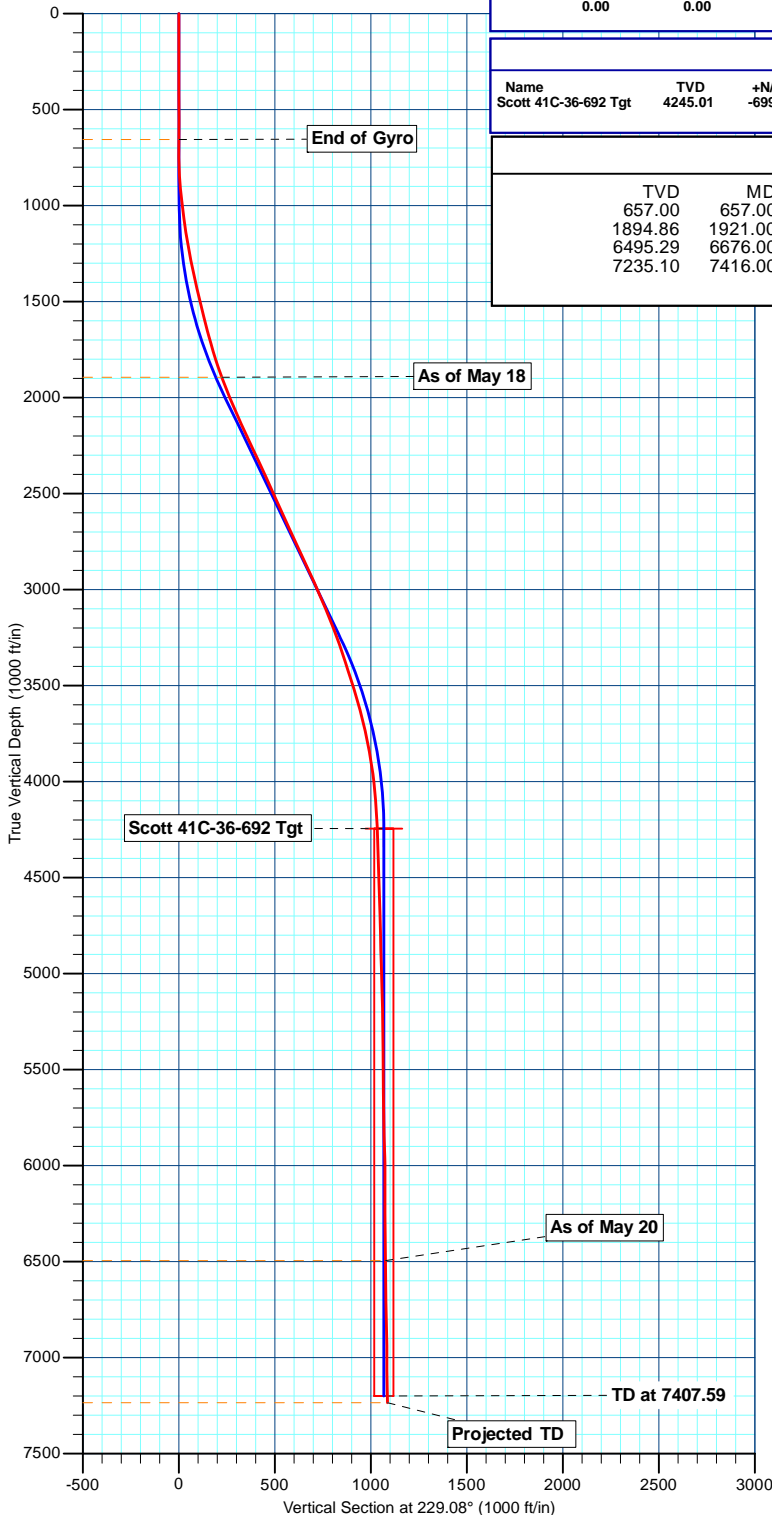
+N/-S	+E/-W	Northing	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1611133.75	5922.01 Easting 2405882.75	39° 29' 32.77 N	107° 36' 19.38 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

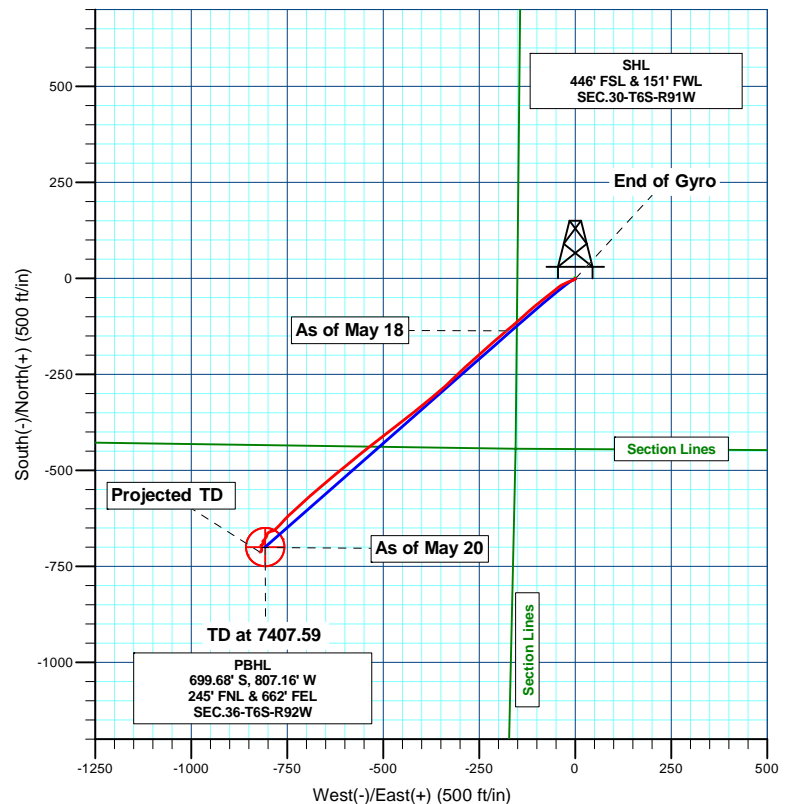
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Scott 41C-36-692 Tgt	4245.01	-699.68	-807.16	1610452.97	2405059.60	39° 29' 25.86 N	107° 36' 29.68 W	Circle (Radius: 50.00)

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
657.00	657.00	0.230	84.04	-1.46	0.46	0.60	2.13	End of Gyro
1894.86	1921.00	20.300	230.40	-136.88	-178.76	224.74	229.90	As of May 18
6495.29	6676.00	1.100	178.00	-700.93	-816.80	1076.30	1093.24	As of May 20
7235.10	7416.00	1.100	222.10	-712.90	-820.71	1087.10	1109.77	Projected TD



Azimuths to True North
Magnetic North: 10.08°
Magnetic Field
Strength: 52222.3snT
Dip Angle: 65.79°
Date: 3/19/2012
Model: IGRF2010



Design: Wellbore #1 (Scott 41C-36-692/Wellbore #1)

Created By: Bret Wolford Date: 8:24, May 21 2012

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Scott 41C-36-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5945.01ft
Site:	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)	MD Reference:	WELL @ 5945.01ft
Well:	Scott 41C-36-692	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	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)				
Site Position:		Northing:	1,611,121.74 usft	Latitude:	39° 29' 32.67 N
From:	Lat/Long	Easting:	2,405,929.90 usft	Longitude:	107° 36' 18.78 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.33 °

Well	Scott 41C-36-692					
Well Position	+N/-S	0.00 ft	Northing:	1,611,133.75 usft	Latitude:	39° 29' 32.77 N
	+E/-W	0.00 ft	Easting:	2,405,882.76 usft	Longitude:	107° 36' 19.38 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,922.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/19/2012	10.08	65.79	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	229.08	

Survey Program	Date	5/21/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
123.00	657.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard	
728.00	7,416.00	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	
123.00	0.310	169.28	123.00	-0.33	0.06	0.17	0.25	0.25	0.00	
223.00	0.150	70.97	223.00	-0.55	0.24	0.18	0.36	-0.16	-98.31	
323.00	0.160	172.87	323.00	-0.65	0.38	0.14	0.24	0.01	101.90	
423.00	0.100	277.68	423.00	-0.77	0.31	0.27	0.21	-0.06	104.81	
523.00	0.170	150.69	523.00	-0.89	0.29	0.36	0.24	0.07	-126.99	
623.00	0.380	176.29	623.00	-1.35	0.39	0.59	0.24	0.21	25.60	
657.00	0.230	84.04	657.00	-1.46	0.46	0.60	1.33	-0.44	-271.32	
728.00	0.500	82.00	728.00	-1.40	0.91	0.23	0.38	0.38	-2.87	
822.00	3.600	238.00	821.94	-2.91	-1.19	2.80	4.32	3.30	165.96	

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Scott 41C-36-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5945.01ft
Site:	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)	MD Reference:	WELL @ 5945.01ft
Well:	Scott 41C-36-692	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)
884.00	4.400	253.00	883.79	-4.63	-5.11	6.90	2.11	1.29	24.19
975.00	7.200	250.00	974.32	-7.60	-13.81	15.42	3.09	3.08	-3.30
1,066.00	8.000	245.30	1,064.52	-12.20	-24.92	26.82	1.11	0.88	-5.16
1,161.00	9.100	237.10	1,158.46	-19.04	-37.24	40.61	1.73	1.16	-8.63
1,256.00	10.400	230.10	1,252.09	-28.63	-50.12	56.62	1.85	1.37	-7.37
1,351.00	12.700	231.80	1,345.16	-40.59	-64.91	75.63	2.45	2.42	1.79
1,446.00	12.400	233.10	1,437.89	-53.17	-81.27	96.24	0.43	-0.32	1.37
1,541.00	14.400	229.30	1,530.30	-67.00	-98.39	118.23	2.30	2.11	-4.00
1,636.00	14.100	228.90	1,622.38	-82.31	-116.06	141.61	0.33	-0.32	-0.42
1,731.00	16.100	228.70	1,714.10	-98.61	-134.68	166.36	2.11	2.11	-0.21
1,826.00	17.600	228.40	1,805.01	-116.84	-155.32	193.89	1.58	1.58	-0.32
1,921.00	20.300	230.40	1,894.86	-136.88	-178.76	224.74	2.92	2.84	2.11
2,017.00	22.700	229.20	1,984.17	-159.61	-205.62	259.91	2.54	2.50	-1.25
2,112.00	22.700	228.30	2,071.81	-183.78	-233.18	296.57	0.37	0.00	-0.95
2,207.00	25.000	228.20	2,158.70	-209.36	-261.84	334.98	2.42	2.42	-0.11
2,302.00	25.200	226.90	2,244.72	-236.55	-291.57	375.26	0.62	0.21	-1.37
2,397.00	25.000	226.00	2,330.75	-264.32	-320.78	415.52	0.45	-0.21	-0.95
2,492.00	24.600	230.40	2,417.00	-290.87	-350.45	455.33	1.99	-0.42	4.63
2,587.00	24.500	228.90	2,503.41	-316.42	-380.53	494.80	0.66	-0.11	-1.58
2,682.00	23.900	231.80	2,590.07	-341.27	-410.50	533.72	1.40	-0.63	3.05
2,777.00	25.300	232.20	2,676.44	-365.62	-441.67	573.22	1.48	1.47	0.42
2,872.00	25.100	232.60	2,762.40	-390.30	-473.71	613.60	0.28	-0.21	0.42
2,968.00	24.200	231.40	2,849.65	-414.94	-505.27	653.58	1.07	-0.94	-1.25
3,063.00	25.000	232.50	2,936.03	-439.31	-536.41	693.08	0.97	0.84	1.16
3,158.00	23.700	230.20	3,022.58	-463.75	-567.01	732.21	1.69	-1.37	-2.42
3,253.00	22.100	231.50	3,110.09	-487.10	-595.66	769.15	1.77	-1.68	1.37
3,348.00	21.000	229.20	3,198.45	-509.35	-622.54	804.03	1.46	-1.16	-2.42
3,443.00	20.000	231.00	3,287.43	-530.70	-648.05	837.29	1.24	-1.05	1.89
3,538.00	17.100	228.80	3,377.49	-550.13	-671.19	867.50	3.14	-3.05	-2.32
3,633.00	18.200	228.50	3,468.02	-569.16	-692.81	896.30	1.16	1.16	-0.32
3,728.00	16.600	227.70	3,558.67	-588.12	-713.96	924.71	1.70	-1.68	-0.84
3,823.00	14.400	227.20	3,650.20	-605.28	-732.67	950.08	2.32	-2.32	-0.53
3,919.00	12.300	226.00	3,743.61	-620.50	-748.78	972.23	2.21	-2.19	-1.25
4,014.00	10.700	221.90	3,836.70	-634.09	-761.95	991.08	1.89	-1.68	-4.32
4,109.00	8.500	222.40	3,930.36	-645.84	-772.58	1,006.81	2.32	-2.32	0.53
4,204.00	6.200	233.50	4,024.58	-654.08	-781.44	1,018.90	2.83	-2.42	11.68
4,299.00	3.300	256.10	4,119.25	-657.79	-788.22	1,026.45	3.58	-3.05	23.79
4,394.00	3.100	251.30	4,214.10	-659.27	-793.30	1,031.27	0.35	-0.21	-5.05
4,489.00	3.000	234.50	4,308.97	-661.54	-797.76	1,036.12	0.94	-0.11	-17.68
4,584.00	1.700	220.00	4,403.89	-664.06	-800.69	1,039.98	1.49	-1.37	-15.26
4,679.00	2.000	205.30	4,498.84	-666.64	-802.31	1,042.89	0.59	0.32	-15.47
4,774.00	2.400	187.80	4,593.77	-670.11	-803.28	1,045.91	0.82	0.42	-18.42
4,870.00	1.500	208.00	4,689.71	-673.21	-804.15	1,048.59	1.17	-0.94	21.04

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Scott 41C-36-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5945.01ft
Site:	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)	MD Reference:	WELL @ 5945.01ft
Well:	Scott 41C-36-692	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)	
4,965.00	1.200	235.40	4,784.69	-674.87	-805.55	1,050.74	0.74	-0.32	28.84	
5,060.00	1.600	206.00	4,879.66	-676.63	-806.95	1,052.95	0.85	0.42	-30.95	
5,155.00	2.300	208.60	4,974.61	-679.49	-808.44	1,055.95	0.74	0.74	2.74	
5,250.00	1.500	240.90	5,069.55	-681.77	-810.44	1,058.96	1.38	-0.84	34.00	
5,345.00	1.900	220.30	5,164.51	-683.58	-812.55	1,061.73	0.76	0.42	-21.68	
5,440.00	0.400	158.70	5,259.49	-685.09	-813.45	1,063.40	1.84	-1.58	-64.84	
5,535.00	0.700	155.10	5,354.49	-685.92	-813.08	1,063.67	0.32	0.32	-3.79	
5,630.00	1.000	155.60	5,449.48	-687.21	-812.49	1,064.06	0.32	0.32	0.53	
5,725.00	1.100	170.40	5,544.46	-688.86	-812.00	1,064.77	0.30	0.11	15.58	
5,821.00	1.700	191.90	5,640.43	-691.16	-812.14	1,066.39	0.82	0.63	22.40	
5,916.00	0.700	282.60	5,735.42	-692.41	-813.00	1,067.85	1.94	-1.05	95.47	
6,011.00	1.500	242.00	5,830.40	-692.87	-814.66	1,069.41	1.13	0.84	-42.74	
6,106.00	2.300	225.30	5,925.35	-694.80	-817.11	1,072.53	1.02	0.84	-17.58	
6,201.00	0.200	95.40	6,020.32	-696.15	-818.30	1,074.31	2.56	-2.21	-136.74	
6,296.00	0.400	150.90	6,115.32	-696.46	-817.98	1,074.27	0.35	0.21	58.42	
6,391.00	0.500	146.10	6,210.32	-697.09	-817.59	1,074.39	0.11	0.11	-5.05	
6,486.00	0.700	160.60	6,305.32	-697.98	-817.16	1,074.65	0.26	0.21	15.26	
6,581.00	0.900	174.70	6,400.31	-699.27	-816.90	1,075.30	0.29	0.21	14.84	
6,676.00	1.100	178.00	6,495.29	-700.93	-816.80	1,076.30	0.22	0.21	3.47	
6,772.00	1.300	166.50	6,591.27	-702.91	-816.51	1,077.38	0.33	0.21	-11.98	
6,867.00	2.200	174.40	6,686.23	-705.77	-816.08	1,078.94	0.98	0.95	8.32	
6,962.00	1.100	200.30	6,781.19	-708.44	-816.22	1,080.79	1.37	-1.16	27.26	
7,057.00	2.200	205.70	6,876.15	-710.94	-817.33	1,083.26	1.17	1.16	5.68	
7,152.00	0.800	343.20	6,971.12	-711.95	-818.31	1,084.66	2.99	-1.47	144.74	
7,247.00	0.400	282.60	7,066.12	-711.24	-818.83	1,084.59	0.73	-0.42	-63.79	
7,342.00	1.100	222.10	7,161.11	-711.84	-819.76	1,085.69	1.02	0.74	-63.68	
7,416.00	1.100	222.10	7,235.10	-712.90	-820.71	1,087.10	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
657.00	657.00	-1.46	0.46	End of Gyro	
1,921.00	1,894.86	-136.88	-178.76	As of May 18	
6,676.00	6,495.29	-700.93	-816.80	As of May 20	
7,416.00	7,235.10	-712.90	-820.71	Projected TD	

Checked By: _____ Approved By: _____ Date: _____