

End of Well Recap FOR

Bill Barrett Corp.
Scott 43A-25-692
Garfield Co., CO

Proposal No. 20120434

Presented By:

Pat Rasmussen
Regional Manager

Bret Wolford
Well Planner





Project: Garfield Co., CO (NAD83)
Site: Scott 41C-36-692 Pad (Sec.30-T6S-R91W)
Well: Scott 43A-25-692
Wellbore: Wellbore #1
Design: Design #3
Latitude: 39° 29' 32.769 N
Longitude: 107° 36' 19.174 W
Ground Level: 5922.00
WELL @ 5945.00usft



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 43A-25-692, True North
Vertical (TVD) Reference: WELL @ 5945.00usft
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 5945.00usft
Calculation Method: Minimum Curvature

WELL DETAILS: Scott 43A-25-692

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1611133.009	2405899.108	5922.00	39° 29' 32.769 N	107° 36' 19.174 W	

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

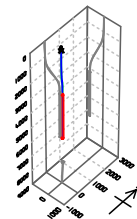
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Scott 43A-25-692 Tgt	4245.00	1019.53	-842.66	1612171.795	2405080.300	39° 29' 42.846 N	107° 36' 29.923 W	Circle (Radius: 50.00)

SECTION DETAILS

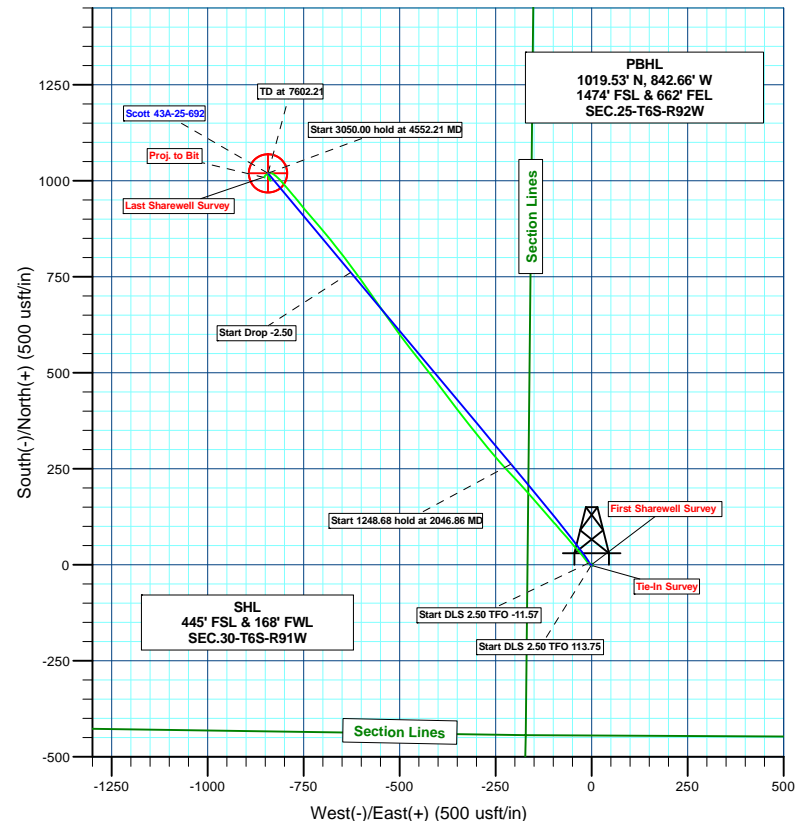
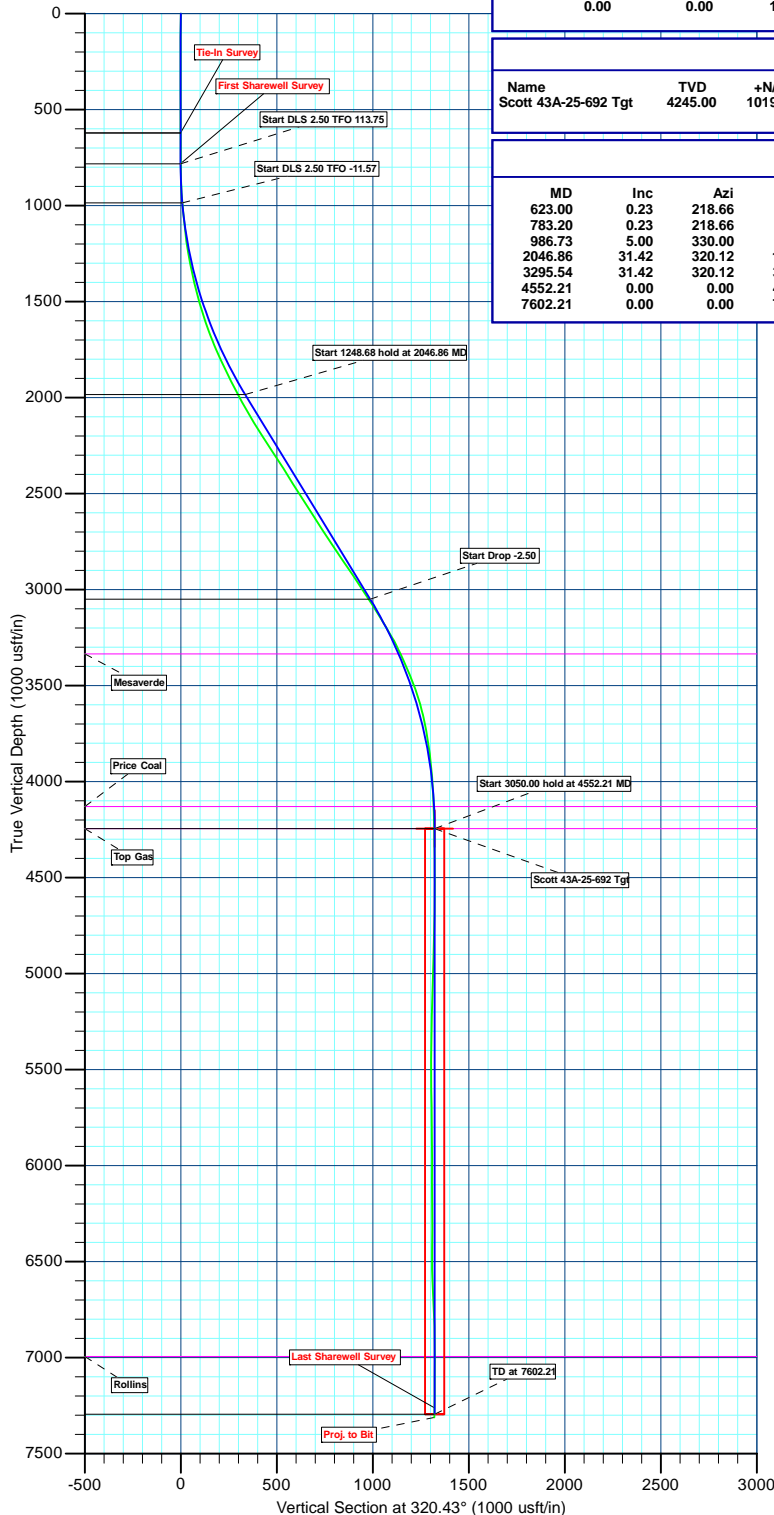
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Annotation
623.00	0.23	218.66	623.00	-1.23	-0.84	0.00	0.00	-0.41	Tie-In
783.20	0.23	218.66	783.20	-1.73	-1.24	0.00	0.00	-0.54	Start DLS 2.50 TFO 113.75
986.73	5.00	330.00	986.47	5.64	-5.93	2.50	113.75	8.12	Start DLS 2.50 TFO -11.57
2046.86	31.42	320.12	1984.74	262.26	-209.85	2.50	-11.57	335.84	Start 1248.68 hold at 2046.86 MD
3295.54	31.42	320.12	3050.37	761.72	-627.22	0.00	0.00	986.72	Start Drop -2.50
4552.21	0.00	0.00	4245.00	1019.53	-842.66	2.50	180.00	1322.70	Start 3050.00 hold at 4552.21 MD
7602.21	0.00	0.00	7295.00	1019.53	-842.66	0.00	0.00	1322.70	TD at 7602.21

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3335.00	3616.42	Mesaverde
4130.00	4437.16	Price Coal
4245.00	4552.21	Top Gas
6995.00	7302.21	Rollins



Azimuths to True North
Magnetic North: 10.08°
Magnetic Field
Strength: 52222.3snT
Dip Angle: 65.79°
Date: 2012/03/19
Model: IGRF2010



Plan: Design #3 (Scott 43A-25-692/Wellbore #1)

Created By: Bret Wolford Date: 13:46, September 20 2012



Bill Barrett Corporation

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Garfield Co., CO (NAD83)

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

Scott 43A-25-692

Wellbore #1

Survey: Survey #2

Standard Survey Report

20 September, 2012



Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Scott 43A-25-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5945.00usft
Site:	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)	MD Reference:	WELL @ 5945.00usft
Well:	Scott 43A-25-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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:	1,611,121.743 usft	Latitude:	39° 29' 32.665 N
From:	Lat/Long	Easting:	2,405,929.899 usft	Longitude:	107° 36' 18.778 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	-1.33 °

Well	Scott 43A-25-692					
Well Position	+N/-S	0.00 usft	Northing:	1,611,133.009 usft	Latitude:	39° 29' 32.769 N
	+E/-W	0.00 usft	Easting:	2,405,899.108 usft	Longitude:	107° 36' 19.174 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,922.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2012/03/19	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) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	320.43	

Survey Program	Date	2012/09/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
123.00	623.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard	
623.00	7,634.00	Survey #2 (Wellbore #1)	MWD	MWD - Standard	

Survey										
	Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
	623.00	0.23	218.66	623.00	-1.23	-0.84	-0.41	0.00	0.00	0.00
	First Sharewell Survey									
	781.00	0.50	316.60	780.99	-0.98	-1.51	0.21	0.37	0.17	61.99
	873.00	1.80	295.20	872.97	-0.07	-3.09	1.92	1.46	1.41	-23.26
	965.00	4.40	316.00	964.83	3.09	-6.85	6.74	3.03	2.83	22.61
	1,060.00	5.70	320.00	1,059.46	9.32	-12.42	15.10	1.42	1.37	4.21
	1,155.00	7.10	323.10	1,153.87	17.63	-18.98	25.68	1.52	1.47	3.26
	1,250.00	9.70	321.90	1,247.84	28.63	-27.44	39.55	2.74	2.74	-1.26
	1,345.00	11.60	316.50	1,341.20	41.85	-38.95	57.08	2.26	2.00	-5.68
	1,440.00	14.10	320.50	1,433.82	57.71	-52.89	78.18	2.79	2.63	4.21
	1,535.00	16.70	318.30	1,525.40	76.84	-69.34	103.40	2.80	2.74	-2.32
	1,630.00	18.80	320.30	1,615.88	98.81	-88.20	132.35	2.30	2.21	2.11

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Scott 43A-25-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5945.00usft
Site:	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)	MD Reference:	WELL @ 5945.00usft
Well:	Scott 43A-25-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,725.00	21.80	317.40	1,704.97	123.58	-109.92	165.28	3.33	3.16	-3.05
1,820.00	25.00	320.20	1,792.14	151.99	-134.72	202.98	3.57	3.37	2.95
1,916.00	26.00	317.70	1,878.79	183.14	-161.87	244.29	1.53	1.04	-2.60
2,011.00	27.20	317.80	1,963.74	214.63	-190.46	286.78	1.26	1.26	0.11
2,106.00	29.90	316.90	2,047.18	248.01	-221.23	332.11	2.88	2.84	-0.95
2,201.00	30.90	319.90	2,129.12	283.96	-253.13	380.14	1.91	1.05	3.16
2,296.00	33.40	321.50	2,209.55	323.09	-285.12	430.68	2.78	2.63	1.68
2,391.00	33.00	320.90	2,289.04	363.63	-317.72	482.70	0.54	-0.42	-0.63
2,486.00	32.50	323.10	2,368.94	404.12	-349.36	534.06	1.36	-0.53	2.32
2,581.00	32.30	322.80	2,449.15	444.74	-380.03	584.92	0.27	-0.21	-0.32
2,676.00	31.80	321.80	2,529.67	484.63	-410.85	635.30	0.77	-0.53	-1.05
2,771.00	33.00	322.80	2,609.88	524.91	-441.97	686.17	1.38	1.26	1.05
2,867.00	33.00	321.10	2,690.40	566.08	-474.20	738.44	0.96	0.00	-1.77
2,962.00	33.80	324.50	2,769.72	607.73	-505.79	790.67	2.14	0.84	3.58
3,057.00	34.50	325.80	2,848.34	651.50	-536.26	843.81	1.06	0.74	1.37
3,152.00	34.10	324.70	2,926.82	695.48	-566.77	897.15	0.78	-0.42	-1.16
3,247.00	33.30	323.70	3,005.85	738.24	-597.60	949.75	1.02	-0.84	-1.05
3,342.00	32.30	322.90	3,085.70	779.50	-628.35	1,001.14	1.15	-1.05	-0.84
3,437.00	31.60	322.60	3,166.31	819.52	-658.78	1,051.37	0.76	-0.74	-0.32
3,532.00	29.40	320.30	3,248.16	857.24	-688.79	1,099.57	2.62	-2.32	-2.42
3,627.00	25.50	318.80	3,332.45	890.58	-717.17	1,143.35	4.17	-4.11	-1.58
3,722.00	22.90	320.70	3,419.10	920.27	-742.35	1,182.28	2.86	-2.74	2.00
3,818.00	20.30	320.90	3,508.35	947.65	-764.69	1,217.61	2.71	-2.71	0.21
3,913.00	15.90	319.30	3,598.63	970.32	-783.57	1,247.12	4.66	-4.63	-1.68
4,008.00	11.40	320.50	3,690.92	987.44	-798.04	1,269.53	4.75	-4.74	1.26
4,103.00	9.10	317.20	3,784.40	1,000.20	-809.12	1,286.42	2.50	-2.42	-3.47
4,198.00	7.00	311.00	3,878.46	1,009.51	-818.59	1,299.63	2.39	-2.21	-6.53
4,293.00	4.30	306.50	3,972.99	1,015.42	-825.83	1,308.80	2.88	-2.84	-4.74
4,388.00	3.00	308.00	4,067.79	1,019.07	-830.65	1,314.69	1.37	-1.37	1.58
4,483.00	1.90	292.70	4,162.71	1,021.21	-834.06	1,318.51	1.34	-1.16	-16.11
4,578.00	1.30	268.90	4,257.67	1,021.80	-836.59	1,320.57	0.93	-0.63	-25.05
4,673.00	1.50	257.60	4,352.64	1,021.51	-838.88	1,321.81	0.36	0.21	-11.89
4,769.00	0.50	275.90	4,448.63	1,021.28	-840.53	1,322.69	1.08	-1.04	19.06
4,864.00	0.50	176.30	4,543.63	1,020.91	-840.91	1,322.65	0.80	0.00	-104.84
4,959.00	0.40	167.60	4,638.62	1,020.18	-840.81	1,322.01	0.13	-0.11	-9.16
5,054.00	1.10	189.00	4,733.61	1,018.95	-840.88	1,321.12	0.78	0.74	22.53
5,149.00	2.30	189.60	4,828.57	1,016.17	-841.34	1,319.27	1.26	1.26	0.63
5,244.00	2.20	167.10	4,923.50	1,012.51	-841.26	1,316.39	0.93	-0.11	-23.68
5,339.00	2.70	172.50	5,018.41	1,008.52	-840.56	1,312.87	0.58	0.53	5.68
5,434.00	0.90	124.10	5,113.36	1,005.88	-839.65	1,310.25	2.32	-1.89	-50.95
5,529.00	1.00	135.70	5,208.35	1,004.87	-838.45	1,308.71	0.23	0.11	12.21
5,624.00	1.90	150.80	5,303.32	1,002.90	-837.10	1,306.34	1.02	0.95	15.89
5,720.00	0.70	177.40	5,399.29	1,000.93	-836.30	1,304.30	1.37	-1.25	27.71
5,815.00	0.30	5.00	5,494.29	1,000.59	-836.25	1,304.01	1.05	-0.42	-181.47
5,910.00	1.30	354.80	5,589.28	1,001.92	-836.33	1,305.08	1.06	1.05	-10.74
6,005.00	0.60	356.70	5,684.27	1,003.49	-836.45	1,306.37	0.74	-0.74	2.00
6,100.00	0.90	308.60	5,779.26	1,004.45	-837.07	1,307.50	0.71	0.32	-50.63
6,195.00	0.40	314.20	5,874.26	1,005.14	-837.89	1,308.56	0.53	-0.53	5.89
6,290.00	1.00	257.10	5,969.25	1,005.19	-838.93	1,309.26	0.90	0.63	-60.11
6,385.00	0.80	36.00	6,064.24	1,005.54	-839.35	1,309.80	1.78	-0.21	146.21
6,480.00	0.60	154.00	6,159.24	1,005.63	-838.74	1,309.48	1.27	-0.21	124.21
6,575.00	0.80	353.10	6,254.24	1,005.84	-838.60	1,309.56	1.45	0.21	-169.37
6,671.00	0.20	84.90	6,350.23	1,006.52	-838.52	1,310.03	0.87	-0.62	95.62
6,766.00	1.30	175.20	6,445.23	1,005.46	-838.26	1,309.05	1.39	1.16	95.05

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Scott 43A-25-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5945.00usft
Site:	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)	MD Reference:	WELL @ 5945.00usft
Well:	Scott 43A-25-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,861.00	1.50	332.60	6,540.22	1,005.49	-838.74	1,309.38	2.89	0.21	165.68
6,956.00	3.30	352.90	6,635.13	1,009.31	-839.65	1,312.90	2.07	1.89	21.37
7,051.00	2.80	325.20	6,730.00	1,013.93	-841.32	1,317.52	1.62	-0.53	-29.16
7,146.00	1.80	281.50	6,824.93	1,016.13	-844.10	1,320.99	2.05	-1.05	-46.00
7,241.00	1.10	275.10	6,919.90	1,016.51	-846.47	1,322.80	0.76	-0.74	-6.74
7,336.00	1.50	219.50	7,014.88	1,015.63	-848.17	1,323.20	1.33	0.42	-58.53
7,431.00	2.00	220.90	7,109.83	1,013.42	-850.05	1,322.69	0.53	0.53	1.47
7,526.00	1.10	203.70	7,204.80	1,011.33	-851.50	1,322.01	1.06	-0.95	-18.11
Last Sharewell Survey									
7,584.00	1.40	177.80	7,262.78	1,010.11	-851.70	1,321.19	1.09	0.52	-44.66
Proj. to Bit									
7,634.00	1.40	177.80	7,312.77	1,008.89	-851.65	1,320.22	0.00	0.00	0.00

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
781.00	780.99	-0.98	-1.51	First Sharewell Survey
7,584.00	7,262.78	1,010.11	-851.70	Last Sharewell Survey
7,634.00	7,312.77	1,008.89	-851.65	Proj. to Bit

Checked By: _____	Approved By: _____	Date: _____
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