



Bill Barrett Corporation

Bill Barrett Corp.

Garfield County, Colorado

Miller 10 Pad

Miller Federal 23C-6-791

Wellbore #1

Survey: Surveys

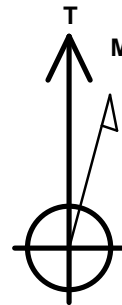
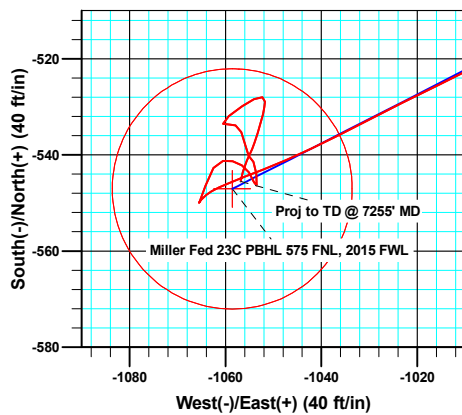
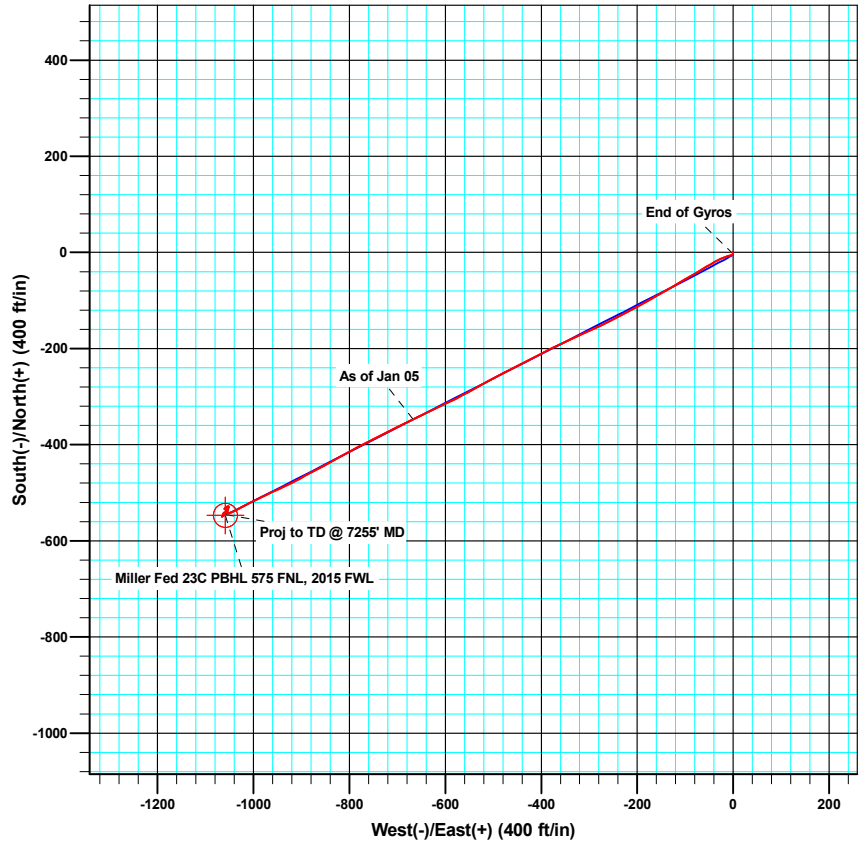
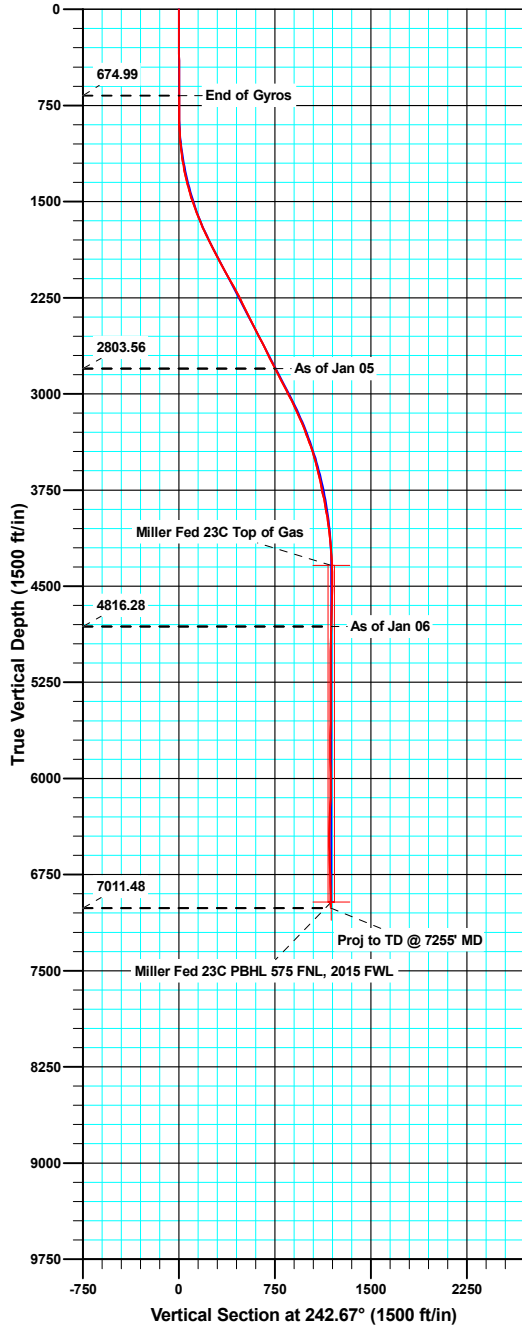
Standard Survey Report

07 January, 2011





North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1605374.39 2408685.16 39° 28' 36.51 N 107° 35' 41.95 W



Azimuths to True North
 Magnetic North: 10.26°

Magnetic Field
 Strength: 52408.2snT
 Dip Angle: 65.83°
 Date: 07/28/2010
 Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V/Sect	Departure	Annotation
2803.56	2967.00	27.100	244.20	-347.42	-667.42	752.42	751.77	As of Jan 05
4816.28	5059.00	1.200	81.50	-541.22	-1060.51	1190.62	1210.82	As of Jan 06
7011.48	7255.00	2.600	193.50	-545.50	-1056.81	1189.29	1267.96	Proj to TD @ 7255' MD

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Miller Federal 23C-6-791
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6285.00ft
Site:	Miller 10 Pad	MD Reference:	KB @ 6285.00ft
Well:	Miller Federal 23C-6-791	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

Project	Garfield County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	Miller 10 Pad				
Site Position:		Northing:	1,605,362.13 usft	Latitude:	39° 28' 36.39 N
From:	Lat/Long	Easting:	2,408,695.61 usft	Longitude:	107° 35' 41.81 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.32 °

Well	Miller Federal 23C-6-791					
Well Position	+N/-S	0.00 ft	Northing:	1,605,374.39 usft	Latitude:	39° 28' 36.51 N
	+E/-W	0.00 ft	Easting:	2,408,685.17 usft	Longitude:	107° 35' 41.95 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,263.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	07/28/10	10.26	65.83	52,408

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	242.67	

Survey Program	Date	01/07/11			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	675.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
878.00	7,255.00	Surveys (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)	
675.00	0.350	173.36	674.99	-3.38	-0.48	1.98	0.00	0.00	0.00	
878.00	0.800	225.20	877.98	-4.99	-1.42	3.55	0.32	0.22	25.54	
970.00	3.400	259.30	969.91	-5.95	-4.55	6.78	3.02	2.83	37.07	
1,065.00	5.700	253.30	1,064.61	-7.83	-11.84	14.11	2.47	2.42	-6.32	
1,159.00	8.500	246.00	1,157.88	-12.00	-22.66	25.64	3.12	2.98	-7.77	
1,255.00	11.100	241.30	1,252.47	-19.32	-37.25	41.96	2.83	2.71	-4.90	
1,350.00	13.700	239.70	1,345.25	-29.39	-54.99	62.35	2.76	2.74	-1.68	
1,445.00	17.000	240.10	1,436.84	-42.00	-76.75	87.46	3.48	3.47	0.42	
1,540.00	19.500	239.60	1,527.06	-56.94	-102.47	117.17	2.64	2.63	-0.53	
1,635.00	21.500	239.20	1,616.04	-73.88	-131.10	150.39	2.11	2.11	-0.42	

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Well:	Miller Federal 23C-6-791	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

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)
1,730.00	24.300	240.20	1,703.54	-92.52	-163.02	187.30	2.98	2.95	1.05
1,825.00	26.500	242.10	1,789.36	-112.15	-198.72	228.03	2.47	2.32	2.00
1,920.00	27.200	241.70	1,874.11	-132.36	-236.57	270.93	0.76	0.74	-0.42
2,015.00	27.700	245.40	1,958.42	-151.85	-275.76	314.70	1.87	0.53	3.89
2,111.00	28.700	245.20	2,043.03	-170.81	-316.98	360.01	1.05	1.04	-0.21
2,205.00	29.600	244.70	2,125.12	-190.19	-358.45	405.76	0.99	0.96	-0.53
2,301.00	28.500	243.00	2,209.04	-210.73	-400.30	452.36	1.43	-1.15	-1.77
2,396.00	25.900	242.70	2,293.53	-230.54	-438.94	495.78	2.74	-2.74	-0.32
2,491.00	26.400	242.70	2,378.81	-249.74	-476.14	537.65	0.53	0.53	0.00
2,586.00	26.900	241.50	2,463.72	-269.68	-513.80	580.26	0.77	0.53	-1.26
2,681.00	27.800	241.00	2,548.10	-290.67	-552.06	623.89	0.98	0.95	-0.53
2,777.00	26.400	244.70	2,633.56	-310.65	-590.94	667.60	2.28	-1.46	3.85
2,871.00	26.300	244.20	2,717.79	-328.65	-628.58	709.30	0.26	-0.11	-0.53
2,967.00	27.100	244.20	2,803.56	-347.42	-667.42	752.42	0.83	0.83	0.00
3,062.00	27.500	242.90	2,887.98	-366.83	-706.42	795.99	0.76	0.42	-1.37
3,157.00	27.800	243.00	2,972.13	-386.88	-745.69	840.07	0.32	0.32	0.11
3,252.00	25.700	243.20	3,056.95	-406.22	-783.82	882.83	2.21	-2.21	0.21
3,347.00	24.700	240.80	3,142.91	-425.20	-819.53	923.27	1.50	-1.05	-2.53
3,442.00	22.900	241.70	3,229.83	-443.64	-853.13	961.59	1.93	-1.89	0.95
3,537.00	21.200	241.70	3,317.88	-460.55	-884.54	997.25	1.79	-1.79	0.00
3,632.00	18.400	242.80	3,407.26	-475.55	-913.00	1,029.42	2.97	-2.95	1.16
3,727.00	16.800	245.30	3,497.81	-488.14	-938.81	1,058.13	1.86	-1.68	2.63
3,823.00	14.200	244.10	3,590.31	-499.09	-962.01	1,083.77	2.73	-2.71	-1.25
3,918.00	11.900	245.30	3,682.85	-508.27	-981.39	1,105.20	2.44	-2.42	1.26
4,013.00	11.800	241.80	3,775.83	-516.95	-998.85	1,124.70	0.76	-0.11	-3.68
4,108.00	10.800	244.50	3,868.98	-525.37	-1,015.45	1,143.31	1.19	-1.05	2.84
4,203.00	8.900	242.20	3,962.58	-532.63	-1,029.98	1,159.55	2.04	-2.00	-2.42
4,298.00	7.400	244.70	4,056.62	-538.68	-1,042.02	1,173.02	1.62	-1.58	2.63
4,393.00	5.700	249.10	4,150.99	-542.97	-1,051.95	1,183.82	1.86	-1.79	4.63
4,489.00	4.000	247.90	4,246.65	-545.93	-1,059.51	1,191.89	1.77	-1.77	-1.25
4,584.00	2.100	231.20	4,341.51	-548.27	-1,063.94	1,196.90	2.19	-2.00	-17.58
4,679.00	0.800	198.00	4,436.48	-549.99	-1,065.50	1,199.08	1.57	-1.37	-34.95
4,774.00	1.200	22.50	4,531.47	-549.71	-1,065.32	1,198.79	2.10	0.42	-184.74
4,869.00	3.000	17.40	4,626.41	-546.41	-1,064.20	1,196.28	1.90	1.89	-5.37
4,964.00	2.000	36.30	4,721.32	-542.71	-1,062.47	1,193.04	1.35	-1.05	19.89
5,059.00	1.200	81.50	4,816.28	-541.22	-1,060.51	1,190.62	1.51	-0.84	47.58
5,154.00	1.300	101.50	4,911.26	-541.29	-1,058.47	1,188.83	0.47	0.11	21.05
5,250.00	1.300	128.30	5,007.23	-542.18	-1,056.55	1,187.54	0.63	0.00	27.92
5,345.00	1.200	139.00	5,102.21	-543.60	-1,055.05	1,186.86	0.27	-0.11	11.26
5,440.00	1.700	164.20	5,197.18	-545.71	-1,054.01	1,186.90	0.84	0.53	26.53
5,534.00	0.900	9.70	5,291.17	-546.32	-1,053.51	1,186.74	2.70	-0.85	-164.36
5,630.00	2.000	354.90	5,387.14	-543.91	-1,053.53	1,185.65	1.20	1.15	-15.42
5,725.00	1.200	328.60	5,482.10	-541.41	-1,054.20	1,185.09	1.12	-0.84	-27.68

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Design:	Wellbore #1	Database:	Compass VM

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5,820.00	0.700	309.70	5,577.09	-540.19	-1,055.16	1,185.39	0.61	-0.53	-19.89	
5,915.00	2.200	353.00	5,672.06	-538.01	-1,055.83	1,184.98	1.85	1.58	45.58	
6,010.00	1.400	326.00	5,767.01	-535.24	-1,056.70	1,184.48	1.21	-0.84	-28.42	
6,106.00	0.800	308.50	5,862.99	-533.85	-1,057.88	1,184.90	0.71	-0.63	-18.23	
6,201.00	1.200	255.90	5,957.98	-533.68	-1,059.37	1,186.14	1.01	0.42	-55.37	
6,296.00	0.500	338.00	6,052.97	-533.54	-1,060.49	1,187.07	1.30	-0.74	86.42	
6,391.00	2.200	49.10	6,147.95	-531.96	-1,059.26	1,185.25	2.20	1.79	74.84	
6,486.00	2.000	55.70	6,242.88	-529.83	-1,056.51	1,181.84	0.33	-0.21	6.95	
6,581.00	1.500	66.70	6,337.84	-528.40	-1,054.00	1,178.95	0.63	-0.53	11.58	
6,676.00	0.700	96.40	6,432.82	-527.98	-1,052.28	1,177.23	1.01	-0.84	31.26	
6,771.00	1.100	181.90	6,527.81	-528.95	-1,051.74	1,177.19	1.32	0.42	90.00	
6,866.00	2.100	193.70	6,622.78	-531.55	-1,052.18	1,178.78	1.10	1.05	12.42	
6,961.00	2.900	197.20	6,717.68	-535.54	-1,053.30	1,181.61	0.86	0.84	3.68	
7,056.00	1.200	203.80	6,812.62	-538.75	-1,054.42	1,184.07	1.80	-1.79	6.95	
7,151.00	2.100	205.20	6,907.58	-541.23	-1,055.56	1,186.22	0.95	0.95	1.47	
7,210.00	2.600	193.50	6,966.53	-543.51	-1,056.33	1,187.95	1.17	0.85	-19.83	
7,255.00	2.600	193.50	7,011.48	-545.50	-1,056.81	1,189.29	0.00	0.00	0.00	

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
2,967.00	2,803.56	-347.42	-667.42	As of Jan 05	
5,059.00	4,816.28	-541.22	-1,060.51	As of Jan 06	
7,255.00	7,011.48	-545.50	-1,056.81	Proj to TD @ 7255' MD	

Checked By: _____ Approved By: _____ Date: _____