



Bill Barrett Corporation

Bill Barrett Corp. (II)

Garfield Co., CO (NAD83)

MDP 26 Pad

Fed 13D-34-691

Wellbore #1

Design: Wellbore #1

Standard Survey Report

30 July, 2012

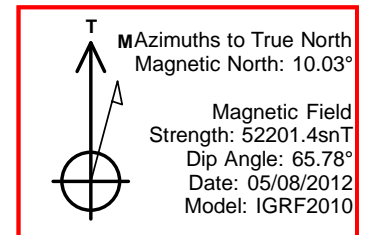
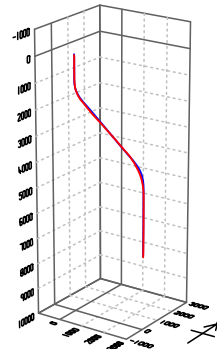
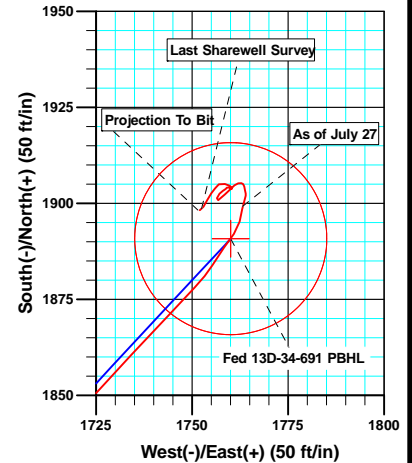
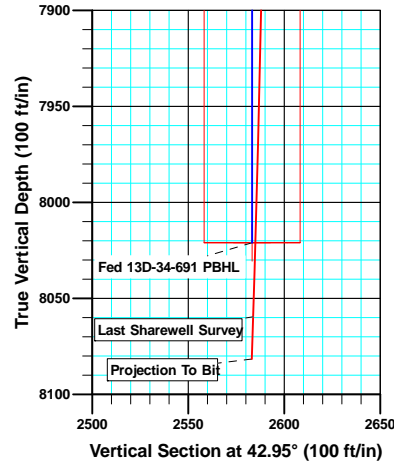
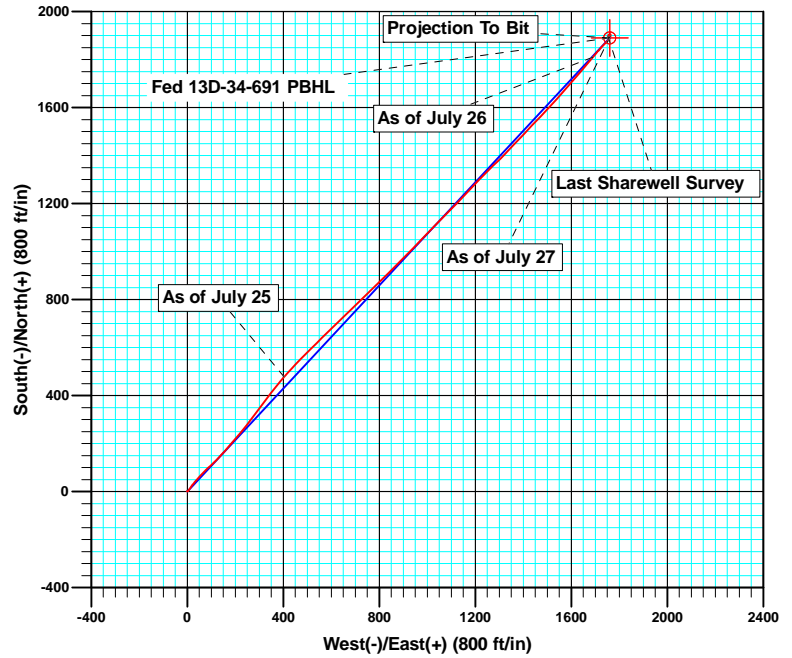
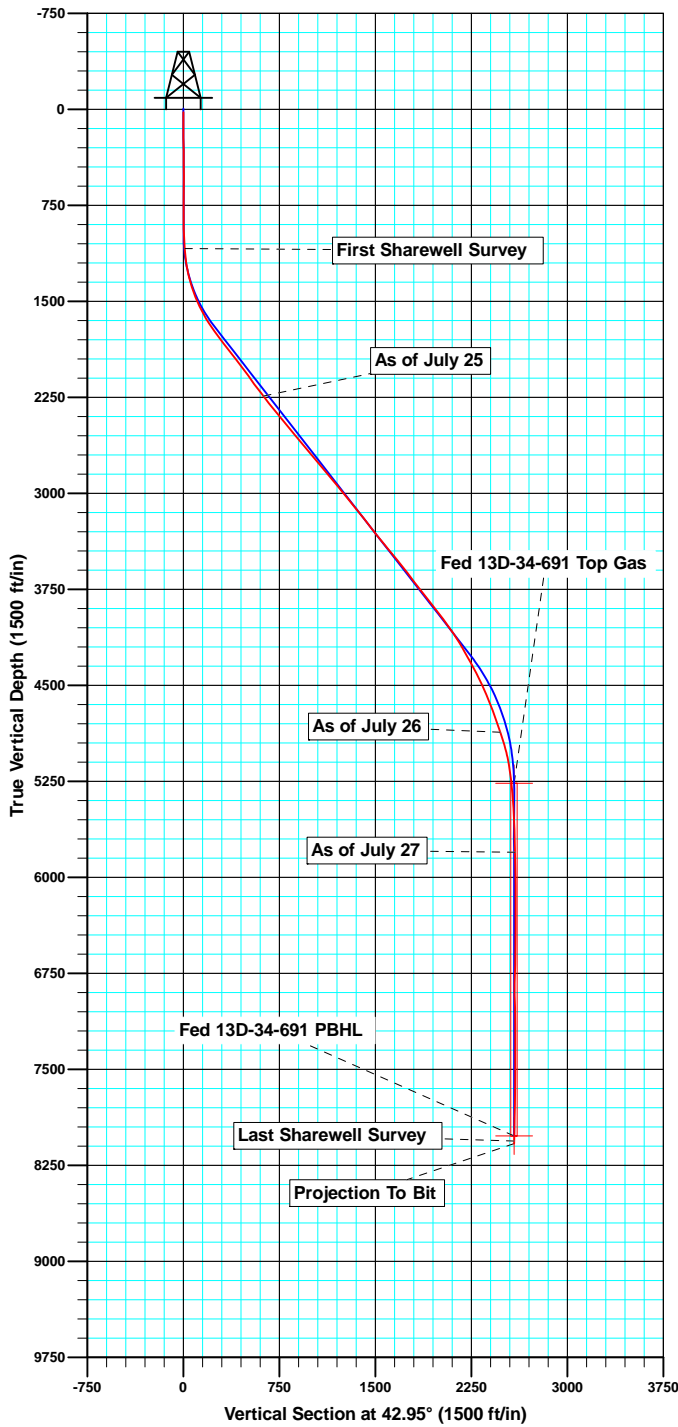




Bill Barrett Corporation

Fed 13D-34-691

US State Plane 1983 North American Datum 1983 Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1605984.07 2420452.59 39° 28' 45.18 N 107° 33' 12.09 W
 GL @ 6748.00
 KB @ 6771.00ft (KB=23')



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
822.99	823.00	0.060	123.50	1.72	0.88	1.85	3.21	Gyro Tie In
822.99	823.00	0.060	123.50	1.72	0.88	1.85	3.21	Tie Into Gyro
1064.86	1065.00	3.300	46.20	6.47	6.01	8.83	10.31	First Sharewell Survey
2222.76	2397.00	37.500	40.10	466.97	394.65	610.70	613.96	As of July 25
4844.80	5630.00	19.800	40.80	1804.13	1683.85	2467.84	2472.24	As of July 26
5781.98	6580.00	1.800	8.60	1898.54	1763.06	2590.91	2596.25	As of July 27
8036.68	8835.00	1.700	225.60	1899.17	1752.98	2584.50	2631.90	Last Sharewell Survey
8081.66	8880.00	1.700	225.60	1898.24	1752.02	2583.17	2633.23	Projection to Bit

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well Fed 13D-34-691
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 6771.00ft (KB=23')
Site:	MDP 26 Pad	MD Reference:	KB @ 6771.00ft (KB=23')
Well:	Fed 13D-34-691	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	MDP 26 Pad				
Site Position:		Northing:	1,605,969.19 usft	Latitude:	39° 28' 45.04 N
From:	Lat/Long	Easting:	2,420,482.75 usft	Longitude:	107° 33' 11.70 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.29 °

Well	Fed 13D-34-691					
Well Position	+N/-S	0.00 ft	Northing:	1,605,984.06 usft	Latitude:	39° 28' 45.18 N
	+E/-W	0.00 ft	Easting:	2,420,452.60 usft	Longitude:	107° 33' 12.09 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,748.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	05/08/12	10.03	65.78	52,201

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	23.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	23.00	0.00	0.00	42.95	

Survey Program	Date	07/30/12			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
123.00	823.00	Gyro (Wellbore #1)	GYRO	GyroCompass Mode	
1,065.00	8,880.00	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)	
23.00	0.000	0.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	
123.00	0.330	57.68	123.00	0.15	0.24	0.28	0.33	0.33	0.00	
223.00	0.470	35.84	223.00	0.64	0.73	0.96	0.20	0.14	-21.84	
323.00	0.490	13.73	322.99	1.39	1.07	1.74	0.19	0.02	-22.11	
423.00	0.300	293.24	422.99	1.91	0.93	2.03	0.53	-0.19	-80.49	
523.00	0.100	193.56	522.99	1.93	0.67	1.86	0.33	-0.20	-99.68	
623.00	0.010	143.03	622.99	1.83	0.65	1.79	0.09	-0.09	-50.53	
723.00	0.110	115.32	722.99	1.79	0.75	1.81	0.10	0.10	-27.71	
823.00	0.060	123.50	822.99	1.72	0.88	1.85	0.05	-0.05	8.18	
Gyro Tie In - Tie Into Gyro										

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well Fed 13D-34-691
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 6771.00ft (KB=23')
Site:	MDP 26 Pad	MD Reference:	KB @ 6771.00ft (KB=23')
Well:	Fed 13D-34-691	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	3.300	46.20	1,064.86	6.47	6.01	8.83	1.36	1.34	-31.94	
First Sharewell Survey										
1,160.00	6.800	31.70	1,159.48	13.15	10.94	17.08	3.89	3.68	-15.26	
1,256.00	11.000	36.00	1,254.30	25.40	19.31	31.75	4.43	4.38	4.48	
1,351.00	15.800	41.00	1,346.69	42.50	33.14	53.69	5.19	5.05	5.26	
1,446.00	20.200	42.50	1,437.02	64.37	52.71	83.03	4.66	4.63	1.58	
1,541.00	24.800	45.30	1,524.77	90.49	77.97	119.36	4.97	4.84	2.95	
1,636.00	29.100	47.60	1,609.43	120.09	109.20	162.31	4.66	4.53	2.42	
1,731.00	33.800	42.00	1,690.47	155.34	143.97	211.79	5.82	4.95	-5.89	
1,826.00	38.200	40.60	1,767.31	197.30	180.79	267.59	4.71	4.63	-1.47	
1,921.00	38.100	40.10	1,842.02	242.02	218.78	326.22	0.34	-0.11	-0.53	
2,016.00	37.400	37.90	1,917.14	287.21	255.39	384.23	1.60	-0.74	-2.32	
2,111.00	36.700	36.60	1,992.96	332.76	290.03	441.18	1.11	-0.74	-1.37	
2,207.00	35.600	36.00	2,070.47	378.40	323.56	497.43	1.20	-1.15	-0.63	
2,302.00	36.900	39.40	2,147.09	422.81	357.92	553.35	2.52	1.37	3.58	
2,397.00	37.500	40.10	2,222.76	466.97	394.65	610.70	0.77	0.63	0.74	
As of July 25										
2,492.00	38.200	42.60	2,297.78	510.72	433.16	668.96	1.77	0.74	2.63	
2,587.00	39.500	44.60	2,371.77	553.86	474.26	728.54	1.90	1.37	2.11	
2,682.00	40.300	45.50	2,444.65	596.90	517.39	789.43	1.04	0.84	0.95	
2,777.00	39.500	44.30	2,517.53	640.06	560.41	850.33	1.17	-0.84	-1.26	
2,872.00	39.400	46.00	2,590.89	682.63	603.20	910.65	1.14	-0.11	1.79	
2,967.00	39.600	46.00	2,664.19	724.61	646.67	970.99	0.21	0.21	0.00	
3,062.00	40.300	46.10	2,737.02	766.94	690.58	1,031.90	0.74	0.74	0.11	
3,158.00	39.500	46.00	2,810.67	809.68	734.92	1,093.39	0.84	-0.83	-0.10	
3,253.00	40.100	45.40	2,883.65	852.15	778.44	1,154.13	0.75	0.63	-0.63	
3,348.00	39.800	45.20	2,956.48	895.06	821.80	1,215.08	0.34	-0.32	-0.21	
3,443.00	38.800	45.10	3,030.00	937.49	864.46	1,275.20	1.05	-1.05	-0.11	
3,538.00	39.700	45.10	3,103.56	979.92	907.03	1,335.27	0.95	0.95	0.00	
3,633.00	38.800	44.00	3,177.13	1,022.75	949.20	1,395.35	1.20	-0.95	-1.16	
3,728.00	37.200	43.40	3,251.99	1,065.03	989.61	1,453.83	1.73	-1.68	-0.63	
3,823.00	38.100	44.30	3,327.21	1,106.87	1,029.81	1,511.85	1.11	0.95	0.95	
3,918.00	38.800	45.20	3,401.60	1,148.82	1,071.40	1,570.89	0.94	0.74	0.95	
4,013.00	40.200	44.00	3,474.91	1,191.85	1,113.82	1,631.29	1.68	1.47	-1.26	
4,109.00	38.700	42.80	3,549.04	1,236.16	1,155.74	1,692.28	1.75	-1.56	-1.25	
4,204.00	38.100	43.80	3,623.49	1,279.11	1,196.21	1,751.29	0.91	-0.63	1.05	
4,299.00	37.000	44.00	3,698.80	1,320.83	1,236.35	1,809.18	1.16	-1.16	0.21	
4,394.00	37.300	47.30	3,774.53	1,360.92	1,277.37	1,866.47	2.12	0.32	3.47	
4,489.00	38.700	43.60	3,849.40	1,401.95	1,319.01	1,924.88	2.81	1.47	-3.89	
4,584.00	38.700	43.20	3,923.54	1,445.11	1,359.82	1,984.27	0.26	0.00	-0.42	
4,679.00	35.800	43.50	3,999.15	1,486.92	1,399.29	2,041.77	3.06	-3.05	0.32	
4,774.00	34.500	43.10	4,076.83	1,526.72	1,436.80	2,096.46	1.39	-1.37	-0.42	
4,869.00	31.800	43.50	4,156.36	1,564.53	1,472.42	2,148.40	2.85	-2.84	0.42	

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well Fed 13D-34-691
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 6771.00ft (KB=23')
Site:	MDP 26 Pad	MD Reference:	KB @ 6771.00ft (KB=23')
Well:	Fed 13D-34-691	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)
4,964.00	29.800	43.20	4,237.96	1,599.90	1,505.81	2,197.04	2.11	-2.11	-0.32
5,060.00	28.500	43.00	4,321.80	1,634.04	1,537.76	2,243.80	1.36	-1.35	-0.21
5,155.00	27.700	41.10	4,405.60	1,667.26	1,567.73	2,288.54	1.26	-0.84	-2.00
5,250.00	25.000	40.50	4,490.72	1,699.17	1,595.29	2,330.67	2.86	-2.84	-0.63
5,345.00	23.200	40.30	4,577.44	1,728.70	1,620.43	2,369.42	1.90	-1.89	-0.21
5,440.00	20.000	39.80	4,665.75	1,755.46	1,642.94	2,404.34	3.37	-3.37	-0.53
5,535.00	19.200	39.80	4,755.25	1,779.95	1,663.34	2,436.16	0.84	-0.84	0.00
5,630.00	19.800	40.80	4,844.80	1,804.13	1,683.85	2,467.84	0.72	0.63	1.05
As of July 26									
5,725.00	17.100	41.20	4,934.91	1,826.82	1,703.57	2,497.88	2.85	-2.84	0.42
5,820.00	14.200	42.50	5,026.38	1,845.93	1,720.65	2,523.50	3.07	-3.05	1.37
5,915.00	10.000	43.20	5,119.25	1,860.54	1,734.17	2,543.41	4.42	-4.42	0.74
6,011.00	6.800	43.50	5,214.20	1,870.74	1,743.79	2,557.43	3.33	-3.33	0.31
6,106.00	5.300	42.90	5,308.67	1,878.03	1,750.65	2,567.45	1.58	-1.58	-0.63
6,201.00	3.700	31.80	5,403.38	1,883.85	1,755.25	2,574.84	1.91	-1.68	-11.68
6,295.00	3.100	35.60	5,497.21	1,888.50	1,758.33	2,580.34	0.68	-0.64	4.04
6,390.00	2.200	36.50	5,592.11	1,892.05	1,760.91	2,584.70	0.95	-0.95	0.95
6,485.00	2.200	13.40	5,687.04	1,895.29	1,762.42	2,588.10	0.93	0.00	-24.32
6,580.00	1.800	8.60	5,781.98	1,898.54	1,763.06	2,590.91	0.46	-0.42	-5.05
As of July 27									
6,675.00	1.400	21.30	5,876.95	1,901.10	1,763.71	2,593.22	0.56	-0.42	13.37
6,770.00	0.500	341.00	5,971.93	1,902.57	1,763.99	2,594.50	1.13	-0.95	-42.42
6,866.00	0.700	352.90	6,067.93	1,903.55	1,763.79	2,595.07	0.24	0.21	12.40
6,961.00	0.400	342.40	6,162.92	1,904.44	1,763.61	2,595.61	0.33	-0.32	-11.05
7,056.00	0.400	321.80	6,257.92	1,905.02	1,763.31	2,595.82	0.15	0.00	-21.68
7,151.00	0.300	271.90	6,352.92	1,905.28	1,762.85	2,595.71	0.33	-0.11	-52.53
7,246.00	0.700	262.00	6,447.92	1,905.21	1,762.03	2,595.09	0.43	0.42	-10.42
7,341.00	0.700	224.00	6,542.91	1,904.71	1,761.05	2,594.06	0.48	0.00	-40.00
7,436.00	1.200	228.60	6,637.90	1,903.64	1,759.90	2,592.49	0.53	0.53	4.84
7,531.00	1.100	225.40	6,732.88	1,902.34	1,758.51	2,590.59	0.13	-0.11	-3.37
7,626.00	1.600	230.30	6,827.85	1,900.85	1,756.84	2,588.37	0.54	0.53	5.16
7,721.00	1.800	25.60	6,922.84	1,901.35	1,756.46	2,588.47	3.50	0.21	163.47
7,817.00	1.300	59.00	7,018.80	1,903.27	1,758.05	2,590.96	1.05	-0.52	34.79
7,912.00	0.400	22.60	7,113.79	1,904.13	1,759.10	2,592.31	1.06	-0.95	-38.32
8,007.00	0.600	125.40	7,208.79	1,904.15	1,759.63	2,592.68	0.83	0.21	108.21
8,102.00	0.400	103.40	7,303.78	1,903.79	1,760.36	2,592.91	0.29	-0.21	-23.16
8,197.00	0.600	320.30	7,398.78	1,904.09	1,760.36	2,593.14	1.00	0.21	-150.63
8,292.00	0.400	297.90	7,493.78	1,904.63	1,759.75	2,593.12	0.29	-0.21	-23.58
8,387.00	1.100	287.30	7,588.77	1,905.06	1,758.59	2,592.64	0.75	0.74	-11.16
8,482.00	1.000	245.50	7,683.76	1,904.98	1,756.97	2,591.48	0.79	-0.11	-44.00
8,577.00	0.900	199.80	7,778.74	1,903.94	1,755.96	2,590.02	0.78	-0.11	-48.11
8,672.00	1.100	230.10	7,873.73	1,902.65	1,755.01	2,588.43	0.59	0.21	31.89
8,768.00	1.600	195.60	7,969.71	1,900.77	1,753.94	2,586.33	0.97	0.52	-35.94
8,835.00	1.700	225.60	8,036.68	1,899.17	1,752.98	2,584.50	1.28	0.15	44.78

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well Fed 13D-34-691
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 6771.00ft (KB=23')
Site:	MDP 26 Pad	MD Reference:	KB @ 6771.00ft (KB=23')
Well:	Fed 13D-34-691	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)
Last Sharewell Survey									
8,880.00	1.700	225.60	8,081.66	1,898.24	1,752.02	2,583.17	0.00	0.00	0.00
Projection to Bit									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
823.00	822.99	1.72	0.88	Gyro Tie In
823.00	822.99	1.72	0.88	Tie Into Gyro
1,065.00	1,064.86	6.47	6.01	First Sharewell Survey
2,397.00	2,222.76	466.97	394.65	As of July 25
5,630.00	4,844.80	1,804.13	1,683.85	As of July 26
6,580.00	5,781.98	1,898.54	1,763.06	As of July 27
8,835.00	8,036.68	1,899.17	1,752.98	Last Sharewell Survey
8,880.00	8,081.66	1,898.24	1,752.02	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____