



Bill Barrett Corporation

Bill Barrett Corp. (II)

Garfield Co., CO (NAD83)

MDP 26 Pad

Fed 13B-34-691

Wellbore #1

Design: Wellbore #1

Standard Survey Report

06 August, 2012

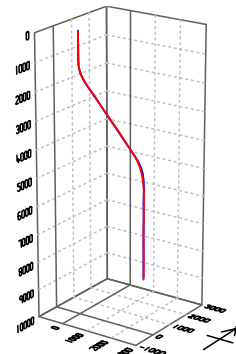
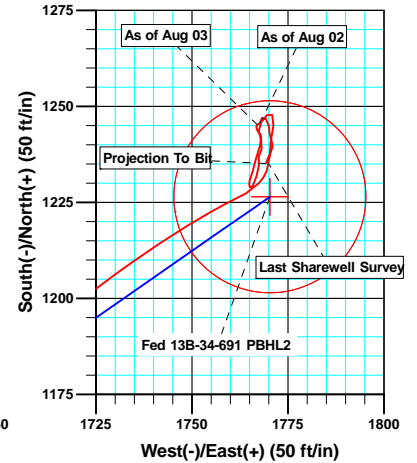
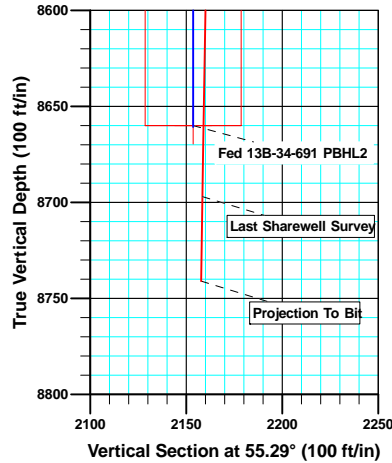
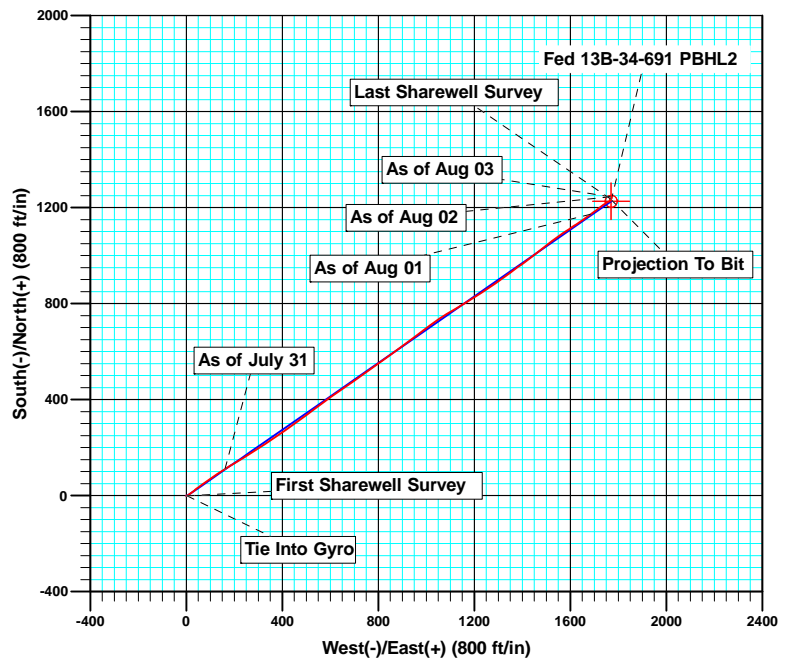
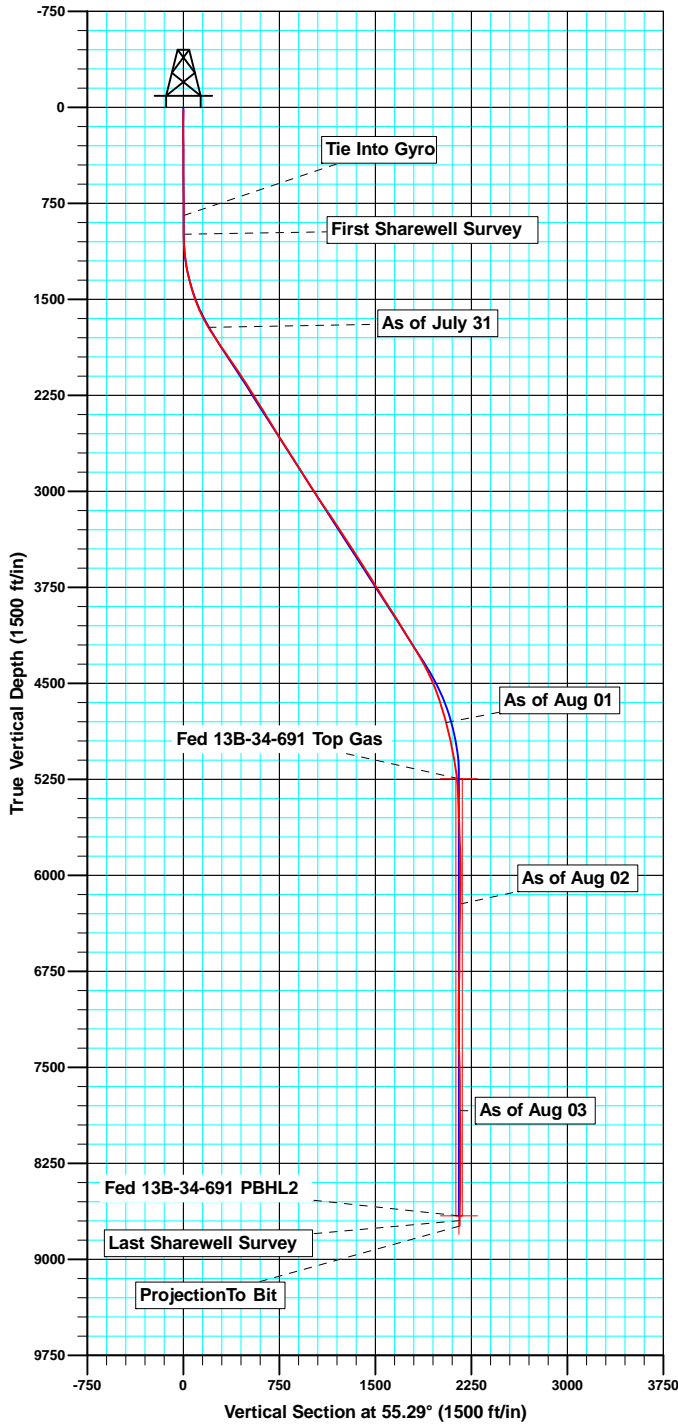


Fed 13B-34-691



Bill Barrett Corporation

US State Plane 1983 North American Datum 1983 Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00605974.61 2420450.68 39° 28' 45.09 N 107° 33' 12.11 W
 GL @ 6748.00
 KB @ 6771.00ft (RKB=23')



MAzimuths to True North
 Magnetic North: 10.03°
 Magnetic Field
 Strength: 52200.9snT
 Dip Angle: 65.78°
 Date: 05/10/2012
 Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
822.99	823.00	0.330	77.13	-0.16	2.34	1.83	3.62	Tie Into Gyro
969.99	970.00	0.500	231.80	-0.46	2.24	1.58	4.69	First Sharewell Survey
1700.00	1731.00	30.300	57.10	104.62	151.52	184.13	188.34	As of July 31
4784.77	5345.00	15.700	54.00	1168.88	1680.57	2047.09	2052.53	As of Aug 01
6200.65	6771.00	1.800	229.60	1245.91	1768.10	2162.91	2182.98	As of Aug 02
7817.16	8388.00	1.000	59.10	1244.92	1766.79	2161.27	2221.50	As of Aug 03
8674.03	9245.00	1.100	202.20	1236.35	1769.71	2158.78	2237.04	Last Sharewell Survey
8741.01	9312.00	1.100	202.20	1235.16	1769.22	2157.71	2238.33	Projection To Bit

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well Fed 13B-34-691
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 6771.00ft (RKB=23')
Site:	MDP 26 Pad	MD Reference:	KB @ 6771.00ft (RKB=23')
Well:	Fed 13B-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 13B-34-691				
Well Position	+N/-S	0.00 ft	Northing:	1,605,974.61 usft	Latitude:	39° 28' 45.09 N
	+E/-W	0.00 ft	Easting:	2,420,450.69 usft	Longitude:	107° 33' 12.11 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	05/10/12	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	55.29	

Survey Program	Date	08/06/12			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
123.00	823.00	Survey #1 (Wellbore #1)	GYRO	GyroCompass Mode	
970.00	9,312.00	OH (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	0.170	196.41	123.00	-0.14	-0.04	-0.12	0.17	0.17	0.00	
223.00	0.310	122.47	223.00	-0.43	0.14	-0.13	0.31	0.14	-73.94	
323.00	0.310	55.17	323.00	-0.42	0.59	0.25	0.34	0.00	-67.30	
423.00	0.320	47.55	423.00	-0.08	1.02	0.80	0.04	0.01	-7.62	
523.00	0.360	137.38	523.00	-0.12	1.44	1.12	0.48	0.04	89.83	
623.00	0.310	95.41	622.99	-0.38	1.92	1.37	0.24	-0.05	-41.97	
723.00	0.130	322.66	722.99	-0.31	2.12	1.57	0.41	-0.18	-132.75	
823.00	0.330	77.13	822.99	-0.16	2.34	1.83	0.40	0.20	114.47	
Tie Into Gyro										

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well Fed 13B-34-691
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 6771.00ft (RKB=23')
Site:	MDP 26 Pad	MD Reference:	KB @ 6771.00ft (RKB=23')
Well:	Fed 13B-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)	
970.00	0.500	231.80	969.99	-0.46	2.24	1.58	0.55	0.12	105.22	
First Sharewell Survey										
1,065.00	3.700	66.80	1,064.93	0.49	4.74	4.17	4.41	3.37	-173.68	
1,160.00	6.300	53.40	1,159.57	4.81	11.74	12.39	2.98	2.74	-14.11	
1,255.00	10.100	53.90	1,253.58	12.83	22.66	25.93	4.00	4.00	0.53	
1,350.00	14.300	49.40	1,346.41	25.38	38.31	45.94	4.53	4.42	-4.74	
1,446.00	16.600	55.00	1,438.94	40.96	58.54	71.45	2.85	2.40	5.83	
1,541.00	21.200	54.20	1,528.80	58.80	83.61	102.21	4.85	4.84	-0.84	
1,636.00	25.400	56.10	1,616.03	80.22	114.46	139.77	4.49	4.42	2.00	
1,731.00	30.300	57.10	1,700.00	104.62	151.52	184.13	5.18	5.16	1.05	
As of July 31										
1,826.00	33.600	59.10	1,780.60	131.14	194.21	234.32	3.65	3.47	2.11	
1,921.00	34.500	58.20	1,859.31	158.82	239.63	287.42	1.09	0.95	-0.95	
2,016.00	34.800	57.10	1,937.47	187.72	285.26	341.39	0.73	0.32	-1.16	
2,111.00	35.100	57.20	2,015.33	217.24	330.98	395.78	0.32	0.32	0.11	
2,206.00	33.000	56.10	2,094.04	246.47	375.41	448.95	2.30	-2.21	-1.16	
2,301.00	32.300	53.50	2,174.03	276.00	417.29	500.19	1.65	-0.74	-2.74	
2,397.00	32.200	54.20	2,255.22	306.22	458.66	551.40	0.40	-0.10	0.73	
2,492.00	31.800	54.00	2,335.79	335.74	499.44	601.73	0.44	-0.42	-0.21	
2,587.00	31.400	53.30	2,416.70	365.24	539.53	651.49	0.57	-0.42	-0.74	
2,682.00	31.100	54.00	2,497.92	394.45	579.22	700.75	0.50	-0.32	0.74	
2,777.00	33.000	55.50	2,578.44	423.53	620.39	751.16	2.17	2.00	1.58	
2,872.00	33.100	54.80	2,658.07	453.13	662.91	802.97	0.42	0.11	-0.74	
2,967.00	32.300	54.60	2,738.01	482.79	704.80	854.29	0.85	-0.84	-0.21	
3,062.00	31.200	55.40	2,818.79	511.47	745.74	904.28	1.24	-1.16	0.84	
3,157.00	33.000	53.90	2,899.27	540.69	786.90	954.75	2.07	1.89	-1.58	
3,252.00	32.500	54.40	2,979.16	570.79	828.56	1,006.13	0.60	-0.53	0.53	
3,348.00	34.100	53.70	3,059.40	601.73	871.22	1,058.82	1.71	1.67	-0.73	
3,443.00	34.200	53.10	3,138.02	633.53	914.03	1,112.12	0.37	0.11	-0.63	
3,538.00	33.800	53.30	3,216.78	665.35	956.57	1,165.21	0.44	-0.42	0.21	
3,633.00	33.400	52.70	3,295.90	696.99	998.56	1,217.74	0.55	-0.42	-0.63	
3,728.00	33.300	54.70	3,375.26	727.90	1,040.64	1,269.94	1.16	-0.11	2.11	
3,823.00	33.300	59.60	3,454.68	756.18	1,084.43	1,322.03	2.83	0.00	5.16	
3,918.00	32.900	58.20	3,534.26	782.97	1,128.85	1,373.80	0.91	-0.42	-1.47	
4,013.00	32.300	58.20	3,614.30	809.94	1,172.35	1,424.92	0.63	-0.63	0.00	
4,108.00	31.000	58.70	3,695.17	836.03	1,214.83	1,474.69	1.40	-1.37	0.53	
4,203.00	32.300	56.80	3,776.04	862.64	1,256.97	1,524.49	1.72	1.37	-2.00	
4,299.00	33.200	53.30	3,856.78	892.39	1,299.51	1,576.40	2.18	0.94	-3.65	
4,394.00	33.000	52.70	3,936.37	923.61	1,340.94	1,628.24	0.40	-0.21	-0.63	
4,489.00	30.900	56.00	4,016.98	952.93	1,381.75	1,678.49	2.87	-2.21	3.47	
4,584.00	32.000	52.70	4,098.03	981.83	1,422.00	1,728.03	2.15	1.16	-3.47	
4,679.00	31.500	52.20	4,178.81	1,012.30	1,461.64	1,777.96	0.59	-0.53	-0.53	
4,774.00	30.800	51.80	4,260.11	1,042.55	1,500.36	1,827.02	0.77	-0.74	-0.42	

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Site:	MDP 26 Pad	MD Reference:	KB @ 6771.00ft (RKB=23')
Well:	Fed 13B-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)
4,869.00	28.700	53.20	4,342.59	1,071.26	1,537.75	1,874.10	2.33	-2.21	1.47
4,964.00	25.700	56.10	4,427.07	1,096.42	1,573.12	1,917.50	3.45	-3.16	3.05
5,059.00	22.900	57.30	4,513.65	1,117.90	1,605.78	1,956.58	2.99	-2.95	1.26
5,154.00	18.800	55.60	4,602.41	1,136.54	1,633.97	1,990.37	4.36	-4.32	-1.79
5,250.00	17.300	55.60	4,693.68	1,153.34	1,658.52	2,020.11	1.56	-1.56	0.00
5,345.00	15.700	54.00	4,784.77	1,168.88	1,680.57	2,047.09	1.75	-1.68	-1.68
As of Aug 01									
5,440.00	13.200	52.50	4,876.76	1,183.04	1,699.58	2,070.78	2.66	-2.63	-1.58
5,535.00	11.300	51.90	4,969.59	1,195.39	1,715.51	2,090.91	2.00	-2.00	-0.63
5,630.00	11.000	54.20	5,062.80	1,206.43	1,730.19	2,109.26	0.56	-0.32	2.42
5,725.00	9.000	57.30	5,156.35	1,215.75	1,743.79	2,125.75	2.18	-2.11	3.26
5,820.00	6.000	60.20	5,250.53	1,222.23	1,754.35	2,138.13	3.18	-3.16	3.05
5,915.00	2.400	65.90	5,345.26	1,225.51	1,760.48	2,145.03	3.81	-3.79	6.00
6,010.00	2.500	59.80	5,440.17	1,227.37	1,764.09	2,149.05	0.29	0.11	-6.42
6,105.00	2.600	43.80	5,535.08	1,229.97	1,767.37	2,153.23	0.75	0.11	-16.84
6,201.00	2.200	18.30	5,630.99	1,233.29	1,769.46	2,156.83	1.18	-0.42	-26.56
6,296.00	2.500	7.40	5,725.92	1,237.07	1,770.29	2,159.68	0.57	0.32	-11.47
6,391.00	2.400	359.90	5,820.83	1,241.12	1,770.56	2,162.20	0.35	-0.11	-7.89
6,486.00	2.500	19.30	5,915.74	1,245.06	1,771.24	2,165.00	0.87	0.11	20.42
6,581.00	1.600	307.00	6,010.70	1,247.81	1,770.86	2,166.26	2.66	-0.95	-76.11
6,676.00	1.100	198.30	6,105.68	1,247.75	1,769.52	2,165.12	2.33	-0.53	-114.42
6,771.00	1.800	229.60	6,200.65	1,245.91	1,768.10	2,162.91	1.09	0.74	32.95
As of Aug 02									
6,866.00	1.700	162.80	6,295.61	1,243.60	1,767.38	2,161.00	2.03	-0.11	-70.32
6,961.00	1.100	164.30	6,390.59	1,241.38	1,768.04	2,160.28	0.63	-0.63	1.58
7,056.00	2.000	184.80	6,485.55	1,238.85	1,768.15	2,158.93	1.10	0.95	21.58
7,152.00	0.700	262.90	6,581.53	1,237.11	1,767.43	2,157.34	2.06	-1.35	81.35
7,247.00	1.000	142.10	6,676.52	1,236.38	1,767.36	2,156.87	1.56	0.32	-127.16
7,342.00	1.200	202.60	6,771.51	1,234.81	1,767.49	2,156.08	1.18	0.21	63.68
7,437.00	2.500	188.00	6,866.46	1,231.84	1,766.82	2,153.84	1.44	1.37	-15.37
7,532.00	1.100	230.40	6,961.41	1,229.20	1,765.82	2,151.52	1.94	-1.47	44.63
7,627.00	0.400	355.70	7,056.41	1,228.95	1,765.10	2,150.78	1.44	-0.74	131.89
7,722.00	0.600	344.80	7,151.40	1,229.76	1,764.94	2,151.12	0.23	0.21	-11.47
7,817.00	0.600	24.40	7,246.40	1,230.70	1,765.02	2,151.71	0.43	0.00	41.68
7,912.00	2.500	16.20	7,341.36	1,233.14	1,765.80	2,153.74	2.01	2.00	-8.63
8,007.00	2.200	14.90	7,436.28	1,236.89	1,766.85	2,156.74	0.32	-0.32	-1.37
8,103.00	1.600	20.30	7,532.22	1,239.93	1,767.79	2,159.24	0.65	-0.63	5.63
8,198.00	1.500	346.50	7,627.19	1,242.38	1,767.96	2,160.78	0.95	-0.11	-35.58
8,293.00	1.100	299.80	7,722.17	1,244.04	1,766.87	2,160.84	1.15	-0.42	-49.16
8,388.00	1.000	59.10	7,817.16	1,244.92	1,766.79	2,161.27	1.91	-0.11	125.58
As of Aug 03									
8,483.00	0.700	21.70	7,912.15	1,245.89	1,767.72	2,162.58	0.65	-0.32	-39.37
8,578.00	0.800	28.80	8,007.14	1,247.01	1,768.25	2,163.66	0.14	0.11	7.47
8,673.00	1.300	141.00	8,102.13	1,246.75	1,769.25	2,164.33	1.86	0.53	118.11

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Site:	MDP 26 Pad	MD Reference:	KB @ 6771.00ft (RKB=23')
Well:	Fed 13B-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)	
8,768.00	1.400	173.20	8,197.11	1,244.76	1,770.07	2,163.87	0.79	0.11	33.89	
8,864.00	0.800	178.40	8,293.09	1,242.93	1,770.23	2,162.96	0.63	-0.63	5.42	
8,959.00	1.200	155.80	8,388.08	1,241.36	1,770.65	2,162.41	0.58	0.42	-23.79	
9,054.00	1.000	183.10	8,483.06	1,239.62	1,771.01	2,161.72	0.58	-0.21	28.74	
9,149.00	1.100	210.00	8,578.04	1,238.00	1,770.51	2,160.39	0.52	0.11	28.32	
9,245.00	1.100	202.20	8,674.03	1,236.35	1,769.71	2,158.78	0.16	0.00	-8.13	
Last Sharewell Survey										
9,312.00	1.100	202.20	8,741.01	1,235.16	1,769.22	2,157.71	0.00	0.00	0.00	
Projection To Bit										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
823.00	822.99	-0.16	2.34	Tie Into Gyro	
970.00	969.99	-0.46	2.24	First Sharewell Survey	
1,731.00	1,700.00	104.62	151.52	As of July 31	
5,345.00	4,784.77	1,168.88	1,680.57	As of Aug 01	
6,771.00	6,200.65	1,245.91	1,768.10	As of Aug 02	
8,388.00	7,817.16	1,244.92	1,766.79	As of Aug 03	
9,245.00	8,674.03	1,236.35	1,769.71	Last Sharewell Survey	
9,312.00	8,741.01	1,235.16	1,769.22	Projection To Bit	

Checked By: _____ Approved By: _____ Date: _____