



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.15-T6N-R62W

Will6-62-15-0263BH2

Wellbore #1

Plan: Design #1

Standard Planning Report

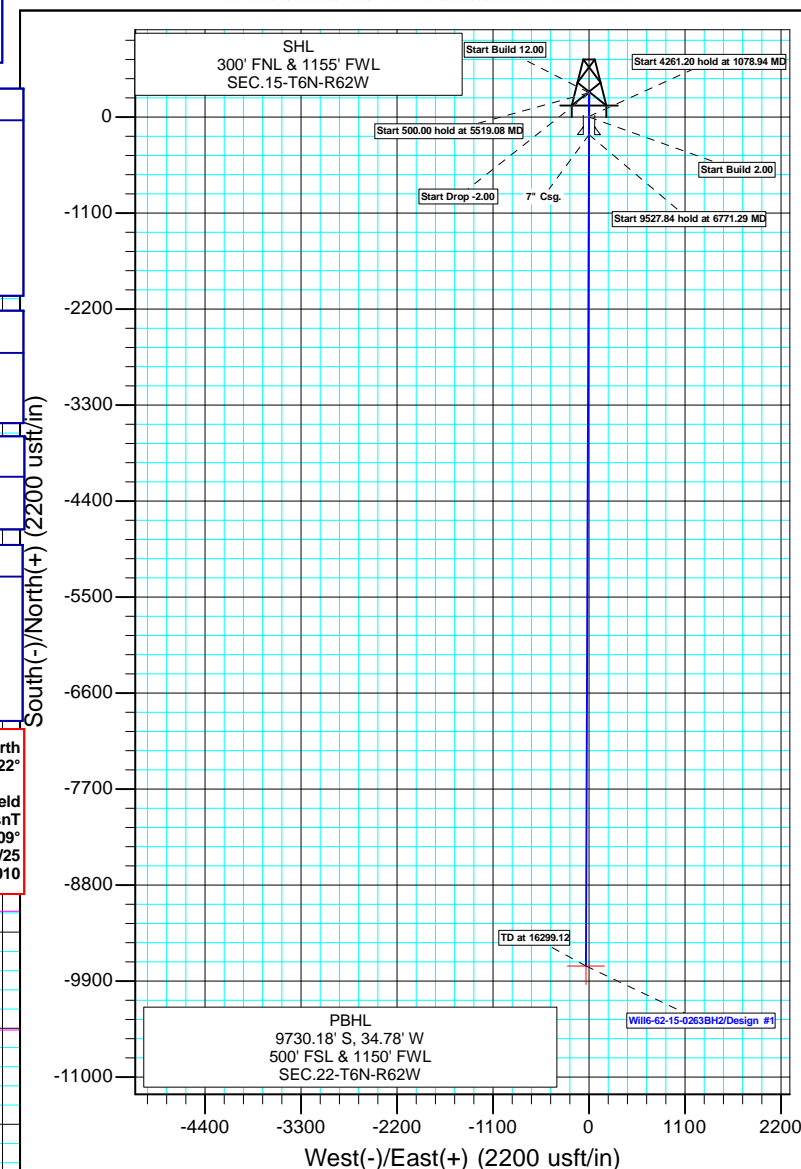
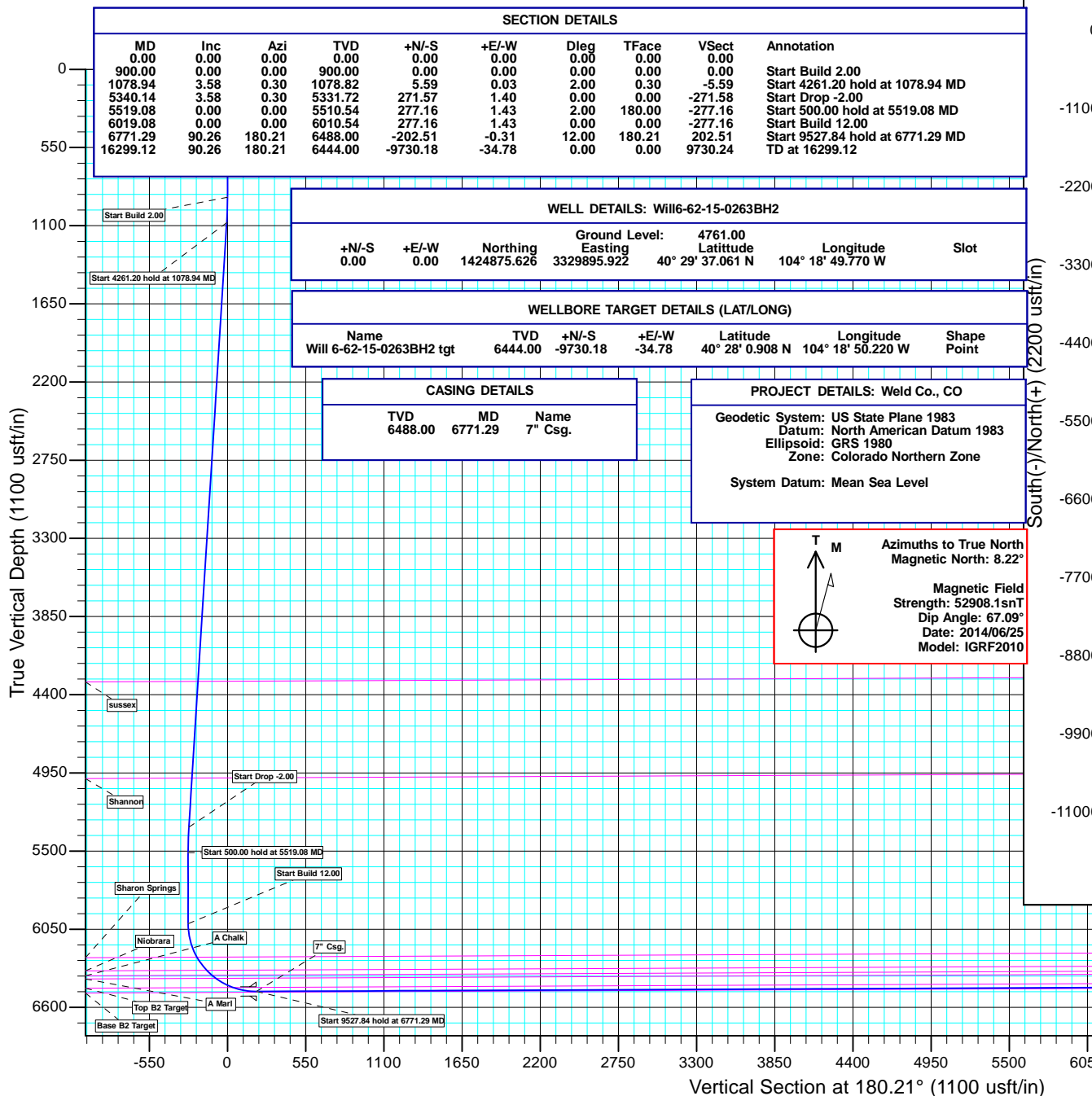
25 June, 2014

Archer



Bill Barrett Corp.
Project: Weld Co., CO
Site: Sec.15-T6N-R62W
Well: Will6-62-15-0263BH2
Wellbore: Wellbore #1
Design: Design #1
Lat: 40° 29' 37.061 N
Long: 104° 18' 49.770 W
Pad GL: 4761.00
KB: WELL @ 4783.00usft (Original Well Elev)

Archer



Database:	EDMDBBW	Local Co-ordinate Reference:	Well Will6-62-15-0263BH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4783.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4783.00usft (Original Well Elev)
Site:	Sec.15-T6N-R62W	North Reference:	True
Well:	Will6-62-15-0263BH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Weld Co., CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Sec.15-T6N-R62W			
Site Position:		Northing:	1,424,875.232 usft	Latitude:	40° 29' 37.061 N
From:	Lat/Long	Easting:	3,329,865.887 usft	Longitude:	104° 18' 50.159 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.77 °

Well	Will6-62-15-0263BH2					
Well Position	+N/-S	-0.01 usft	Northing:	1,424,875.626 usft	Latitude:	40° 29' 37.061 N
	+E/-W	30.04 usft	Easting:	3,329,895.922 usft	Longitude:	104° 18' 49.770 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,761.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2014/06/25	8.22	67.09	52,908

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	180.21

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,078.94	3.58	0.30	1,078.82	5.59	0.03	2.00	2.00	0.00	0.30	
5,340.14	3.58	0.30	5,331.72	271.57	1.40	0.00	0.00	0.00	0.00	
5,519.08	0.00	0.00	5,510.54	277.16	1.43	2.00	-2.00	0.00	180.00	
6,019.08	0.00	0.00	6,010.54	277.16	1.43	0.00	0.00	0.00	0.00	
6,771.29	90.26	180.21	6,488.00	-202.51	-0.31	12.00	12.00	0.00	180.21	Will 6-62-15-0263BH2
16,299.12	90.26	180.21	6,444.00	-9,730.18	-34.78	0.00	0.00	0.00	0.00	Will 6-62-15-0263BH2

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Will6-62-15-0263BH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4783.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4783.00usft (Original Well Elev)
Site:	Sec.15-T6N-R62W	North Reference:	True
Well:	Will6-62-15-0263BH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	2.00	0.30	999.98	1.75	0.01	-1.75	2.00	2.00	0.00
Start 4261.20 hold at 1078.94 MD									
1,078.94	3.58	0.30	1,078.82	5.59	0.03	-5.59	2.00	2.00	0.00
1,100.00	3.58	0.30	1,099.84	6.90	0.04	-6.90	0.00	0.00	0.00
1,200.00	3.58	0.30	1,199.65	13.14	0.07	-13.14	0.00	0.00	0.00
1,300.00	3.58	0.30	1,299.45	19.39	0.10	-19.39	0.00	0.00	0.00
1,400.00	3.58	0.30	1,399.26	25.63	0.13	-25.63	0.00	0.00	0.00
1,500.00	3.58	0.30	1,499.06	31.87	0.16	-31.87	0.00	0.00	0.00
1,600.00	3.58	0.30	1,598.87	38.11	0.20	-38.11	0.00	0.00	0.00
1,700.00	3.58	0.30	1,698.67	44.35	0.23	-44.35	0.00	0.00	0.00
1,800.00	3.58	0.30	1,798.48	50.60	0.26	-50.60	0.00	0.00	0.00
1,900.00	3.58	0.30	1,898.28	56.84	0.29	-56.84	0.00	0.00	0.00
2,000.00	3.58	0.30	1,998.09	63.08	0.33	-63.08	0.00	0.00	0.00
2,100.00	3.58	0.30	2,097.89	69.32	0.36	-69.32	0.00	0.00	0.00
2,200.00	3.58	0.30	2,197.70	75.56	0.39	-75.56	0.00	0.00	0.00
2,300.00	3.58	0.30	2,297.50	81.81	0.42	-81.81	0.00	0.00	0.00
2,400.00	3.58	0.30	2,397.31	88.05	0.45	-88.05	0.00	0.00	0.00
2,500.00	3.58	0.30	2,497.11	94.29	0.49	-94.29	0.00	0.00	0.00
2,600.00	3.58	0.30	2,596.92	100.53	0.52	-100.53	0.00	0.00	0.00
2,700.00	3.58	0.30	2,696.72	106.77	0.55	-106.78	0.00	0.00	0.00
2,800.00	3.58	0.30	2,796.53	113.02	0.58	-113.02	0.00	0.00	0.00
2,900.00	3.58	0.30	2,896.33	119.26	0.62	-119.26	0.00	0.00	0.00
3,000.00	3.58	0.30	2,996.14	125.50	0.65	-125.50	0.00	0.00	0.00
3,100.00	3.58	0.30	3,095.94	131.74	0.68	-131.74	0.00	0.00	0.00
3,200.00	3.58	0.30	3,195.75	137.98	0.71	-137.99	0.00	0.00	0.00
3,300.00	3.58	0.30	3,295.55	144.23	0.74	-144.23	0.00	0.00	0.00
3,400.00	3.58	0.30	3,395.36	150.47	0.78	-150.47	0.00	0.00	0.00
3,500.00	3.58	0.30	3,495.16	156.71	0.81	-156.71	0.00	0.00	0.00
3,600.00	3.58	0.30	3,594.97	162.95	0.84	-162.95	0.00	0.00	0.00
3,700.00	3.58	0.30	3,694.77	169.19	0.87	-169.20	0.00	0.00	0.00
3,800.00	3.58	0.30	3,794.58	175.44	0.91	-175.44	0.00	0.00	0.00
3,900.00	3.58	0.30	3,894.38	181.68	0.94	-181.68	0.00	0.00	0.00
4,000.00	3.58	0.30	3,994.19	187.92	0.97	-187.92	0.00	0.00	0.00
4,100.00	3.58	0.30	4,093.99	194.16	1.00	-194.17	0.00	0.00	0.00
4,200.00	3.58	0.30	4,193.80	200.41	1.03	-200.41	0.00	0.00	0.00
4,300.00	3.58	0.30	4,293.60	206.65	1.07	-206.65	0.00	0.00	0.00
sussex									
4,313.37	3.58	0.30	4,306.94	207.48	1.07	-207.48	0.00	0.00	0.00
4,400.00	3.58	0.30	4,393.41	212.89	1.10	-212.89	0.00	0.00	0.00
4,500.00	3.58	0.30	4,493.21	219.13	1.13	-219.13	0.00	0.00	0.00
4,600.00	3.58	0.30	4,593.02	225.37	1.16	-225.38	0.00	0.00	0.00
4,700.00	3.58	0.30	4,692.82	231.62	1.20	-231.62	0.00	0.00	0.00

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Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4783.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4783.00usft (Original Well Elev)
Site:	Sec.15-T6N-R62W	North Reference:	True
Well:	Will6-62-15-0263BH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
4,800.00	3.58	0.30	4,792.63	237.86	1.23	-237.86	0.00	0.00	0.00
4,900.00	3.58	0.30	4,892.43	244.10	1.26	-244.10	0.00	0.00	0.00
Shannon									
4,994.89	3.58	0.30	4,987.13	250.02	1.29	-250.03	0.00	0.00	0.00
5,000.00	3.58	0.30	4,992.24	250.34	1.29	-250.34	0.00	0.00	0.00
5,100.00	3.58	0.30	5,092.04	256.58	1.32	-256.59	0.00	0.00	0.00
5,200.00	3.58	0.30	5,191.85	262.83	1.36	-262.83	0.00	0.00	0.00
5,300.00	3.58	0.30	5,291.65	269.07	1.39	-269.07	0.00	0.00	0.00
Start Drop -2.00									
5,340.14	3.58	0.30	5,331.72	271.57	1.40	-271.58	0.00	0.00	0.00
5,400.00	2.38	0.30	5,391.49	274.69	1.42	-274.69	2.00	-2.00	0.00
5,500.00	0.38	0.30	5,491.46	277.10	1.43	-277.10	2.00	-2.00	0.00
Start 500.00 hold at 5519.08 MD									
5,519.08	0.00	0.00	5,510.54	277.16	1.43	-277.16	2.00	-2.00	0.00
5,600.00	0.00	0.00	5,591.46	277.16	1.43	-277.16	0.00	0.00	0.00
5,700.00	0.00	0.00	5,691.46	277.16	1.43	-277.16	0.00	0.00	0.00
5,800.00	0.00	0.00	5,791.46	277.16	1.43	-277.16	0.00	0.00	0.00
5,900.00	0.00	0.00	5,891.46	277.16	1.43	-277.16	0.00	0.00	0.00
6,000.00	0.00	0.00	5,991.46	277.16	1.43	-277.16	0.00	0.00	0.00
Start Build 12.00									
6,019.08	0.00	0.00	6,010.54	277.16	1.43	-277.16	0.00	0.00	0.00
6,025.00	0.71	180.21	6,016.46	277.12	1.43	-277.13	12.00	12.00	0.00
6,050.00	3.71	180.21	6,041.44	276.16	1.43	-276.16	12.00	12.00	0.00
6,075.00	6.71	180.21	6,066.33	273.89	1.42	-273.89	12.00	12.00	0.00
6,100.00	9.71	180.21	6,091.07	270.32	1.41	-270.32	12.00	12.00	0.00
6,125.00	12.71	180.21	6,115.59	265.46	1.39	-265.46	12.00	12.00	0.00
6,150.00	15.71	180.21	6,139.82	259.32	1.37	-259.33	12.00	12.00	0.00
6,175.00	18.71	180.21	6,163.70	251.93	1.34	-251.93	12.00	12.00	0.00
6,200.00	21.71	180.21	6,187.16	243.29	1.31	-243.30	12.00	12.00	0.00
6,225.00	24.71	180.21	6,210.13	233.44	1.27	-233.44	12.00	12.00	0.00
6,250.00	27.71	180.21	6,232.56	222.40	1.23	-222.40	12.00	12.00	0.00
Sharon Springs									
6,266.43	29.68	180.21	6,246.97	214.51	1.20	-214.51	12.00	12.00	0.00
6,275.00	30.71	180.21	6,254.38	210.20	1.19	-210.20	12.00	12.00	0.00
6,300.00	33.71	180.21	6,275.53	196.88	1.14	-196.88	12.00	12.00	0.00
6,325.00	36.71	180.21	6,295.95	182.47	1.09	-182.47	12.00	12.00	0.00
6,350.00	39.71	180.21	6,315.59	167.00	1.03	-167.01	12.00	12.00	0.00
6,375.00	42.71	180.21	6,334.40	150.53	0.97	-150.54	12.00	12.00	0.00
Niobrara									
6,382.21	43.58	180.21	6,339.66	145.60	0.95	-145.61	12.00	12.00	0.00
6,400.00	45.71	180.21	6,352.32	133.10	0.91	-133.11	12.00	12.00	0.00
6,425.00	48.71	180.21	6,369.30	114.76	0.84	-114.76	12.00	12.00	0.00
A Chalk									
6,432.95	49.66	180.21	6,374.49	108.74	0.82	-108.75	12.00	12.00	0.00
6,450.00	51.71	180.21	6,385.30	95.55	0.77	-95.56	12.00	12.00	0.00
A Marl									
6,468.32	53.91	180.21	6,396.37	80.96	0.72	-80.96	12.00	12.00	0.00
6,475.00	54.71	180.21	6,400.27	75.53	0.70	-75.54	12.00	12.00	0.00
6,500.00	57.71	180.21	6,414.17	54.76	0.63	-54.76	12.00	12.00	0.00
6,525.00	60.71	180.21	6,426.96	33.29	0.55	-33.29	12.00	12.00	0.00
6,550.00	63.71	180.21	6,438.62	11.17	0.47	-11.17	12.00	12.00	0.00
6,575.00	66.71	180.21	6,449.10	-11.52	0.39	11.52	12.00	12.00	0.00
6,600.00	69.71	180.21	6,458.38	-34.73	0.30	34.73	12.00	12.00	0.00

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Project:	Weld Co., CO	MD Reference:	WELL @ 4783.00usft (Original Well Elev)
Site:	Sec.15-T6N-R62W	North Reference:	True
Well:	Will6-62-15-0263BH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
Top B2 Target									
6,607.16	70.57	180.21	6,460.81	-41.47	0.28	41.47	12.00	12.00	0.00
6,625.00	72.71	180.21	6,466.43	-58.40	0.22	58.40	12.00	12.00	0.00
6,650.00	75.71	180.21	6,473.23	-82.45	0.13	82.45	12.00	12.00	0.00
6,675.00	78.71	180.21	6,478.77	-106.83	0.04	106.83	12.00	12.00	0.00
6,700.00	81.71	180.21	6,483.02	-131.46	-0.05	131.46	12.00	12.00	0.00
6,725.00	84.71	180.21	6,485.97	-156.28	-0.14	156.28	12.00	12.00	0.00
6,750.00	87.71	180.21	6,487.62	-181.22	-0.23	181.22	12.00	12.00	0.00
Start 9527.84 hold at 6771.29 MD - 7" Csg.									
6,771.29	90.26	180.21	6,488.00	-202.51	-0.31	202.51	12.00	12.00	0.00
6,800.00	90.26	180.21	6,487.87	-231.22	-0.41	231.22	0.00	0.00	0.00
6,900.00	90.26	180.21	6,487.41	-331.22	-0.77	331.22	0.00	0.00	0.00
7,000.00	90.26	180.21	6,486.94	-431.22	-1.13	431.22	0.00	0.00	0.00
7,100.00	90.26	180.21	6,486.48	-531.21	-1.49	531.22	0.00	0.00	0.00
7,200.00	90.26	180.21	6,486.02	-631.21	-1.86	631.21	0.00	0.00	0.00
7,300.00	90.26	180.21	6,485.56	-731.21	-2.22	731.21	0.00	0.00	0.00
7,400.00	90.26	180.21	6,485.10	-831.21	-2.58	831.21	0.00	0.00	0.00
7,500.00	90.26	180.21	6,484.63	-931.21	-2.94	931.21	0.00	0.00	0.00
7,600.00	90.26	180.21	6,484.17	-1,031.20	-3.30	1,031.21	0.00	0.00	0.00
7,700.00	90.26	180.21	6,483.71	-1,131.20	-3.67	1,131.21	0.00	0.00	0.00
7,800.00	90.26	180.21	6,483.25	-1,231.20	-4.03	1,231.21	0.00	0.00	0.00
7,900.00	90.26	180.21	6,482.79	-1,331.20	-4.39	1,331.21	0.00	0.00	0.00
8,000.00	90.26	180.21	6,482.33	-1,431.20	-4.75	1,431.21	0.00	0.00	0.00
8,100.00	90.26	180.21	6,481.86	-1,531.20	-5.11	1,531.20	0.00	0.00	0.00
8,200.00	90.26	180.21	6,481.40	-1,631.19	-5.47	1,631.20	0.00	0.00	0.00
8,300.00	90.26	180.21	6,480.94	-1,731.19	-5.84	1,731.20	0.00	0.00	0.00
8,400.00	90.26	180.21	6,480.48	-1,831.19	-6.20	1,831.20	0.00	0.00	0.00
8,500.00	90.26	180.21	6,480.02	-1,931.19	-6.56	1,931.20	0.00	0.00	0.00
8,600.00	90.26	180.21	6,479.55	-2,031.19	-6.92	2,031.20	0.00	0.00	0.00
8,700.00	90.26	180.21	6,479.09	-2,131.19	-7.28	2,131.20	0.00	0.00	0.00
8,800.00	90.26	180.21	6,478.63	-2,231.18	-7.65	2,231.20	0.00	0.00	0.00
8,900.00	90.26	180.21	6,478.17	-2,331.18	-8.01	2,331.20	0.00	0.00	0.00
9,000.00	90.26	180.21	6,477.71	-2,431.18	-8.37	2,431.20	0.00	0.00	0.00
9,100.00	90.26	180.21	6,477.25	-2,531.18	-8.73	2,531.19	0.00	0.00	0.00
9,200.00	90.26	180.21	6,476.78	-2,631.18	-9.09	2,631.19	0.00	0.00	0.00
9,300.00	90.26	180.21	6,476.32	-2,731.18	-9.46	2,731.19	0.00	0.00	0.00
9,400.00	90.26	180.21	6,475.86	-2,831.17	-9.82	2,831.19	0.00	0.00	0.00
9,500.00	90.26	180.21	6,475.40	-2,931.17	-10.18	2,931.19	0.00	0.00	0.00
9,600.00	90.26	180.21	6,474.94	-3,031.17	-10.54	3,031.19	0.00	0.00	0.00
9,700.00	90.26	180.21	6,474.47	-3,131.17	-10.90	3,131.19	0.00	0.00	0.00
9,800.00	90.26	180.21	6,474.01	-3,231.17	-11.26	3,231.19	0.00	0.00	0.00
9,900.00	90.26	180.21	6,473.55	-3,331.17	-11.63	3,331.19	0.00	0.00	0.00
10,000.00	90.26	180.21	6,473.09	-3,431.16	-11.99	3,431.18	0.00	0.00	0.00
10,100.00	90.26	180.21	6,472.63	-3,531.16	-12.35	3,531.18	0.00	0.00	0.00
10,200.00	90.26	180.21	6,472.17	-3,631.16	-12.71	3,631.18	0.00	0.00	0.00
10,300.00	90.26	180.21	6,471.70	-3,731.16	-13.07	3,731.18	0.00	0.00	0.00
10,400.00	90.26	180.21	6,471.24	-3,831.16	-13.44	3,831.18	0.00	0.00	0.00
10,500.00	90.26	180.21	6,470.78	-3,931.15	-13.80	3,931.18	0.00	0.00	0.00
10,600.00	90.26	180.21	6,470.32	-4,031.15	-14.16	4,031.18	0.00	0.00	0.00
10,700.00	90.26	180.21	6,469.86	-4,131.15	-14.52	4,131.18	0.00	0.00	0.00
10,800.00	90.26	180.21	6,469.39	-4,231.15	-14.88	4,231.18	0.00	0.00	0.00
10,900.00	90.26	180.21	6,468.93	-4,331.15	-15.24	4,331.17	0.00	0.00	0.00
11,000.00	90.26	180.21	6,468.47	-4,431.15	-15.61	4,431.17	0.00	0.00	0.00
11,100.00	90.26	180.21	6,468.01	-4,531.14	-15.97	4,531.17	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Will6-62-15-0263BH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4783.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4783.00usft (Original Well Elev)
Site:	Sec.15-T6N-R62W	North Reference:	True
Well:	Will6-62-15-0263BH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
11,200.00	90.26	180.21	6,467.55	-4,631.14	-16.33	4,631.17	0.00	0.00	0.00
11,300.00	90.26	180.21	6,467.09	-4,731.14	-16.69	4,731.17	0.00	0.00	0.00
11,400.00	90.26	180.21	6,466.62	-4,831.14	-17.05	4,831.17	0.00	0.00	0.00
11,500.00	90.26	180.21	6,466.16	-4,931.14	-17.42	4,931.17	0.00	0.00	0.00
11,600.00	90.26	180.21	6,465.70	-5,031.14	-17.78	5,031.17	0.00	0.00	0.00
11,700.00	90.26	180.21	6,465.24	-5,131.13	-18.14	5,131.17	0.00	0.00	0.00
11,800.00	90.26	180.21	6,464.78	-5,231.13	-18.50	5,231.17	0.00	0.00	0.00
11,900.00	90.26	180.21	6,464.31	-5,331.13	-18.86	5,331.16	0.00	0.00	0.00
12,000.00	90.26	180.21	6,463.85	-5,431.13	-19.22	5,431.16	0.00	0.00	0.00
12,100.00	90.26	180.21	6,463.39	-5,531.13	-19.59	5,531.16	0.00	0.00	0.00
12,200.00	90.26	180.21	6,462.93	-5,631.13	-19.95	5,631.16	0.00	0.00	0.00
12,300.00	90.26	180.21	6,462.47	-5,731.12	-20.31	5,731.16	0.00	0.00	0.00
12,400.00	90.26	180.21	6,462.01	-5,831.12	-20.67	5,831.16	0.00	0.00	0.00
12,500.00	90.26	180.21	6,461.54	-5,931.12	-21.03	5,931.16	0.00	0.00	0.00
12,600.00	90.26	180.21	6,461.08	-6,031.12	-21.40	6,031.16	0.00	0.00	0.00
12,700.00	90.26	180.21	6,460.62	-6,131.12	-21.76	6,131.16	0.00	0.00	0.00
12,800.00	90.26	180.21	6,460.16	-6,231.12	-22.12	6,231.15	0.00	0.00	0.00
12,900.00	90.26	180.21	6,459.70	-6,331.11	-22.48	6,331.15	0.00	0.00	0.00
13,000.00	90.26	180.21	6,459.23	-6,431.11	-22.84	6,431.15	0.00	0.00	0.00
13,100.00	90.26	180.21	6,458.77	-6,531.11	-23.20	6,531.15	0.00	0.00	0.00
13,200.00	90.26	180.21	6,458.31	-6,631.11	-23.57	6,631.15	0.00	0.00	0.00
13,300.00	90.26	180.21	6,457.85	-6,731.11	-23.93	6,731.15	0.00	0.00	0.00
13,400.00	90.26	180.21	6,457.39	-6,831.11	-24.29	6,831.15	0.00	0.00	0.00
13,500.00	90.26	180.21	6,456.93	-6,931.10	-24.65	6,931.15	0.00	0.00	0.00
13,600.00	90.26	180.21	6,456.46	-7,031.10	-25.01	7,031.15	0.00	0.00	0.00
13,700.00	90.26	180.21	6,456.00	-7,131.10	-25.38	7,131.15	0.00	0.00	0.00
13,800.00	90.26	180.21	6,455.54	-7,231.10	-25.74	7,231.14	0.00	0.00	0.00
13,900.00	90.26	180.21	6,455.08	-7,331.10	-26.10	7,331.14	0.00	0.00	0.00
14,000.00	90.26	180.21	6,454.62	-7,431.09	-26.46	7,431.14	0.00	0.00	0.00
14,100.00	90.26	180.21	6,454.15	-7,531.09	-26.82	7,531.14	0.00	0.00	0.00
14,200.00	90.26	180.21	6,453.69	-7,631.09	-27.18	7,631.14	0.00	0.00	0.00
14,300.00	90.26	180.21	6,453.23	-7,731.09	-27.55	7,731.14	0.00	0.00	0.00
14,400.00	90.26	180.21	6,452.77	-7,831.09	-27.91	7,831.14	0.00	0.00	0.00
14,500.00	90.26	180.21	6,452.31	-7,931.09	-28.27	7,931.14	0.00	0.00	0.00
14,600.00	90.26	180.21	6,451.85	-8,031.08	-28.63	8,031.14	0.00	0.00	0.00
14,700.00	90.26	180.21	6,451.38	-8,131.08	-28.99	8,131.13	0.00	0.00	0.00
14,800.00	90.26	180.21	6,450.92	-8,231.08	-29.36	8,231.13	0.00	0.00	0.00
14,900.00	90.26	180.21	6,450.46	-8,331.08	-29.72	8,331.13	0.00	0.00	0.00
15,000.00	90.26	180.21	6,450.00	-8,431.08	-30.08	8,431.13	0.00	0.00	0.00
15,100.00	90.26	180.21	6,449.54	-8,531.08	-30.44	8,531.13	0.00	0.00	0.00
15,200.00	90.26	180.21	6,449.07	-8,631.07	-30.80	8,631.13	0.00	0.00	0.00
15,300.00	90.26	180.21	6,448.61	-8,731.07	-31.16	8,731.13	0.00	0.00	0.00
15,400.00	90.26	180.21	6,448.15	-8,831.07	-31.53	8,831.13	0.00	0.00	0.00
15,500.00	90.26	180.21	6,447.69	-8,931.07	-31.89	8,931.13	0.00	0.00	0.00
15,600.00	90.26	180.21	6,447.23	-9,031.07	-32.25	9,031.12	0.00	0.00	0.00
15,700.00	90.26	180.21	6,446.77	-9,131.07	-32.61	9,131.12	0.00	0.00	0.00
15,800.00	90.26	180.21	6,446.30	-9,231.06	-32.97	9,231.12	0.00	0.00	0.00
15,900.00	90.26	180.21	6,445.84	-9,331.06	-33.34	9,331.12	0.00	0.00	0.00
16,000.00	90.26	180.21	6,445.38	-9,431.06	-33.70	9,431.12	0.00	0.00	0.00
16,100.00	90.26	180.21	6,444.92	-9,531.06	-34.06	9,531.12	0.00	0.00	0.00
16,200.00	90.26	180.21	6,444.46	-9,631.06	-34.42	9,631.12	0.00	0.00	0.00
TD at 16299.12									
16,299.12	90.26	180.21	6,444.00	-9,730.18	-34.78	9,730.24	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Will6-62-15-0263BH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4783.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4783.00usft (Original Well Elev)
Site:	Sec.15-T6N-R62W	North Reference:	True
Well:	Will6-62-15-0263BH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Will 6-62-15-0263BH2 tc	0.00	0.00	6,444.00	-9,730.18	-34.78	1,415,145.853	3,329,991.299	40° 28' 0.908 N	104° 18' 50.220 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(usft)	(usft)			(")	(")
6,771.29	6,488.00	7" Csg.		7	8-3/4

Formations						
Measured Depth	Vertical Depth	Name		Lithology	Dip	Dip Direction
(usft)	(usft)				(°)	(°)
4,313.37	4,306.00	sussex			-0.26	180.21
4,994.89	4,986.00	Shannon			-0.26	180.21
6,266.43	6,246.00	Sharon Springs			-0.26	180.21
6,382.21	6,339.00	Niobrara			-0.26	180.21
6,432.95	6,374.00	A Chalk			-0.26	180.21
6,468.32	6,396.00	A Marl			-0.26	180.21
6,607.16	6,461.00	Top B2 Target			-0.26	180.21

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S	+E/-W		
(usft)	(usft)	(usft)	(usft)		
900.00	900.00	0.00	0.00	Start Build 2.00	
1,078.94	1,078.82	5.59	0.03	Start 4261.20 hold at 1078.94 MD	
5,340.14	5,331.72	271.57	1.40	Start Drop -2.00	
5,519.08	5,510.54	277.16	1.43	Start 500.00 hold at 5519.08 MD	
6,019.08	6,010.54	277.16	1.43	Start Build 12.00	
6,771.29	6,488.00	-202.51	-0.31	Start 9527.84 hold at 6771.29 MD	
16,299.12	6,444.00	-9,730.18	-34.78	TD at 16299.12	