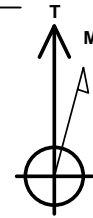


BILL BARRETT CORP
Merritt 6-66-9-0857CH
Weld Cty, CO

Geodetic System: US State Plane 1983
Zone: Colorado Northern Zone
Revised @ 4844.0usft (Nabors #22)
Ground Level: 4822.0
Latitude: 40° 30' 33.588 N
Longitude: 104° 46' 49.692 W

Magnetic North is 8.54° East of True North (Magnetic Declination)



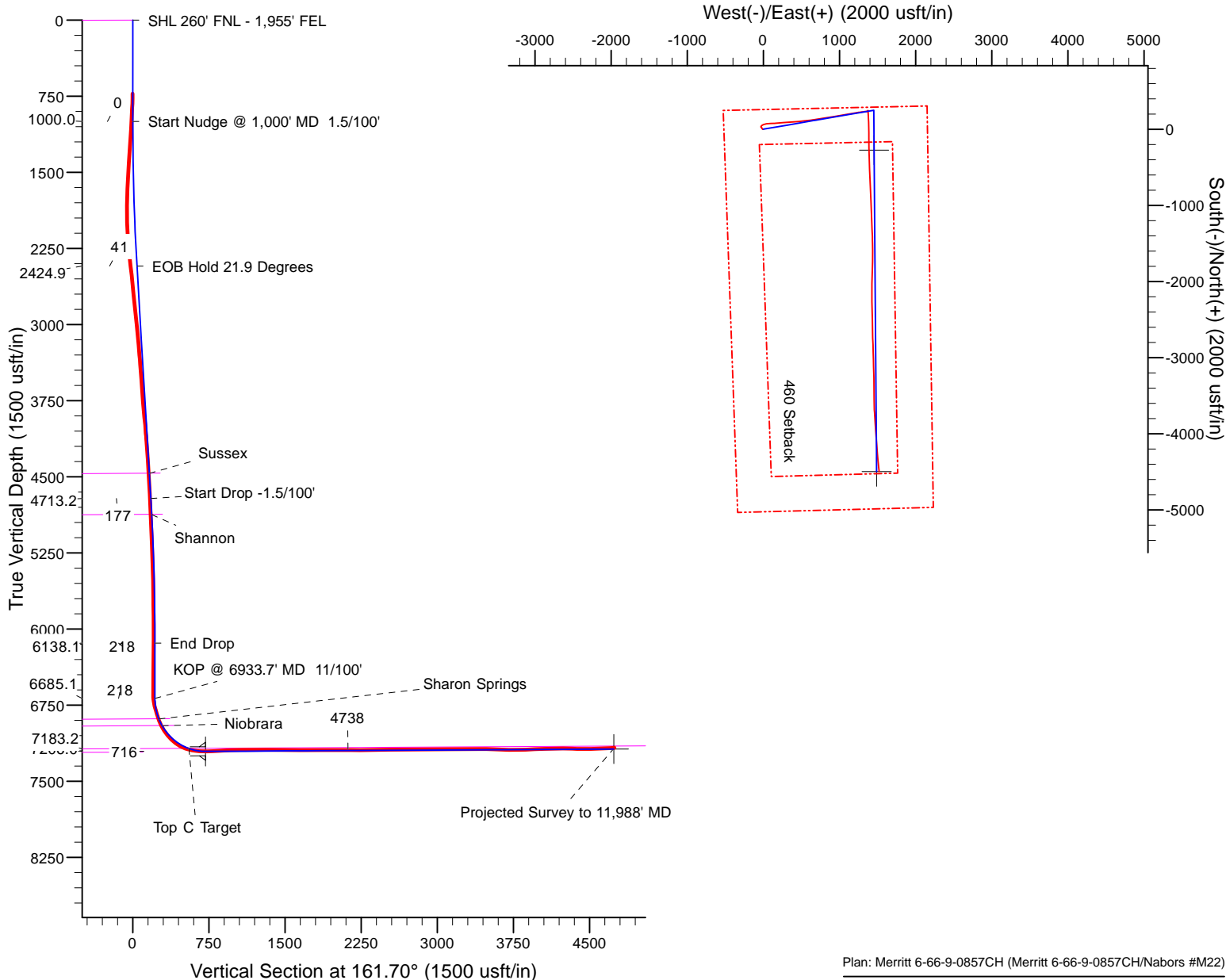
Azimuths to True North
Magnetic North: 8.54°

Magnetic Field
Strength: 52922.3snT
Dip Angle: 67.05°
Date: 12/18/2013
Model: IGRF2010

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0
2460.2	21.90	80.22	2424.9	46.8	271.7	1.50	80.22	40.8
4926.5	21.90	80.22	4713.2	203.2	1178.4	0.00	0.00	177.1
6386.7	0.00	0.00	6138.1	250.0	1450.1	1.50	180.00	218.0
6933.7	0.00	0.00	6685.1	250.0	1450.1	0.00	0.00	218.0
7754.7	90.31	179.54	7206.0	-273.7	1454.3	11.00	179.54	716.4
11980.4	90.31	179.54	7183.2	-4499.1	1487.9	0.00	0.00	4738.7

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4467.0	4661.1	Sussex
4872.1	5096.3	Shannon
6887.1	7141.2	Sharon Springs
6953.9	7216.2	Niobrara
7177.4	7578.6	Top C Target



Plan: Merritt 6-66-9-0857CH (Merritt 6-66-9-0857CH/Nabors #M22)

Created By: Mike Kirby Date: 7:57, December 26 2013
Checked: Date:
Reviewed: Date:
Approved: x Date: x

Survey Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well Merritt 6-66-9-0857CH
Project:	Weld Cty, CO	TVD Reference:	Revised @ 4844.0usft (Nabors #22)
Site:	Merritt 6-66-9 Pad	MD Reference:	Revised @ 4844.0usft (Nabors #22)
Well:	Merritt 6-66-9-0857CH	North Reference:	True
Wellbore:	Nabors #M22	Survey Calculation Method:	Minimum Curvature
Design:	Nabors M22	Database:	Rocky Mountain R5000 Database

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

Site	Merritt 6-66-9 Pad				
Site Position:		Northing:	1,429,201.19 usft	Latitude:	40° 30' 33.588 N
From:	Lat/Long	Easting:	3,200,071.18 usft	Longitude:	104° 46' 49.692 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	Merritt 6-66-9-0857CH					
Well Position	+N/-S	0.0 usft	Northing:	1,429,201.14 usft	Latitude:	40° 30' 33.587 N
	+E/-W	0.0 usft	Easting:	3,200,071.18 usft	Longitude:	104° 46' 49.692 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	4,844.0 usft	Ground Level:	4,822.0 usft

Wellbore	Nabors #M22				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/18/2013	8.54	67.05	52,922

Design	Nabors M22				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	161.70	

Survey Program	Date	12/26/2013			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	725.0	Nudge Plan (Nabors #M22)	MWD	MWD - Standard	
875.0	11,988.0	Final Survey Report (Nabors #M22)	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)	
725.0	1.07	271.85	724.9	0.5	-7.0	-2.7	0.00	0.00	0.00	
875.0	2.90	317.80	874.9	3.4	-10.9	-6.6	1.53	1.22	30.63	
906.0	3.30	324.40	905.8	4.7	-12.0	-8.2	1.73	1.29	21.29	
938.0	3.40	323.60	937.8	6.2	-13.1	-10.0	0.34	0.31	-2.50	
969.0	3.30	321.60	968.7	7.6	-14.2	-11.7	0.50	-0.32	-6.45	
1,000.0	3.50	325.20	999.6	9.1	-15.3	-13.4	0.94	0.65	11.61	
1,030.0	3.60	321.50	1,029.6	10.6	-16.4	-15.2	0.83	0.33	-12.33	
1,061.0	3.50	321.60	1,060.5	12.1	-17.6	-17.0	0.32	-0.32	0.32	
1,091.0	3.70	322.90	1,090.5	13.6	-18.7	-18.8	0.72	0.67	4.33	
1,122.0	3.70	320.70	1,121.4	15.1	-20.0	-20.6	0.46	0.00	-7.10	

Survey Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well Merritt 6-66-9-0857CH
Project:	Weld Cty, CO	TVD Reference:	Revised @ 4844.0usft (Nabors #22)
Site:	Merritt 6-66-9 Pad	MD Reference:	Revised @ 4844.0usft (Nabors #22)
Well:	Merritt 6-66-9-0857CH	North Reference:	True
Wellbore:	Nabors #M22	Survey Calculation Method:	Minimum Curvature
Design:	Nabors M22	Database:	Rocky Mountain R5000 Database

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)
1,153.0	3.80	320.70	1,152.3	16.7	-21.2	-22.5	0.32	0.32	0.00
1,184.0	3.90	322.20	1,183.3	18.3	-22.5	-24.5	0.46	0.32	4.84
1,215.0	3.90	322.20	1,214.2	20.0	-23.8	-26.5	0.00	0.00	0.00
1,245.0	4.10	323.40	1,244.1	21.7	-25.1	-28.5	0.72	0.67	4.00
1,338.0	4.10	323.10	1,336.9	27.0	-29.1	-34.8	0.02	0.00	-0.32
1,430.0	3.50	357.00	1,428.7	32.4	-31.2	-40.6	2.49	-0.65	36.85
1,520.0	4.70	30.80	1,518.5	38.3	-29.4	-45.7	2.94	1.33	37.56
1,611.0	6.40	43.70	1,609.0	45.2	-24.0	-50.5	2.31	1.87	14.18
1,702.0	7.60	55.10	1,699.4	52.3	-15.6	-54.6	2.01	1.32	12.53
1,793.0	9.40	65.90	1,789.4	58.8	-3.9	-57.0	2.64	1.98	11.87
1,884.0	10.60	72.10	1,879.0	64.4	10.9	-57.7	1.77	1.32	6.81
1,978.0	11.60	77.40	1,971.2	69.1	28.3	-56.7	1.52	1.06	5.64
2,074.0	13.70	83.20	2,064.9	72.6	49.0	-53.5	2.55	2.19	6.04
2,170.0	16.00	86.60	2,157.7	74.7	73.5	-47.8	2.56	2.40	3.54
2,265.0	19.30	87.80	2,248.2	76.1	102.3	-40.1	3.49	3.47	1.26
2,360.0	21.60	87.20	2,337.2	77.6	135.5	-31.1	2.43	2.42	-0.63
2,454.0	23.90	85.80	2,423.9	79.8	171.7	-21.8	2.51	2.45	-1.49
2,550.0	23.80	85.90	2,511.7	82.6	210.5	-12.3	0.11	-0.10	0.10
2,645.0	22.50	84.60	2,599.0	85.7	247.7	-3.6	1.47	-1.37	-1.37
2,739.0	22.30	85.90	2,686.0	88.7	283.4	4.8	0.57	-0.21	1.38
2,833.0	23.20	86.90	2,772.6	90.9	319.6	14.0	1.04	0.96	1.06
2,928.0	23.90	85.90	2,859.7	93.3	357.5	23.7	0.85	0.74	-1.05
3,023.0	22.10	84.30	2,947.2	96.5	394.5	32.3	2.01	-1.89	-1.68
3,118.0	21.80	86.20	3,035.3	99.4	429.9	40.6	0.81	-0.32	2.00
3,214.0	22.20	86.30	3,124.3	101.8	465.8	49.6	0.42	0.42	0.10
3,309.0	20.80	83.50	3,212.7	104.8	500.4	57.6	1.83	-1.47	-2.95
3,405.0	23.10	83.80	3,301.7	108.8	536.1	65.0	2.40	2.40	0.31
3,501.0	22.00	83.70	3,390.4	112.8	572.7	72.7	1.15	-1.15	-0.10
3,596.0	22.10	82.70	3,478.4	117.0	608.1	79.8	0.41	0.11	-1.05
3,689.0	21.10	80.60	3,564.9	122.0	642.0	85.8	1.36	-1.08	-2.26
3,785.0	22.50	80.90	3,654.0	127.7	677.2	91.4	1.46	1.46	0.31
3,879.0	26.10	81.70	3,739.7	133.5	715.4	97.8	3.85	3.83	0.85
3,974.0	28.00	81.90	3,824.3	139.7	758.2	105.4	2.00	2.00	0.21
4,070.0	29.60	81.20	3,908.4	146.5	803.9	113.3	1.70	1.67	-0.73
4,165.0	30.90	80.90	3,990.5	154.0	851.2	121.1	1.38	1.37	-0.32
4,260.0	29.60	80.10	4,072.5	161.8	898.4	128.4	1.43	-1.37	-0.84
4,356.0	27.20	79.80	4,157.0	169.8	943.3	135.0	2.50	-2.50	-0.31
4,451.0	25.10	80.20	4,242.3	177.1	984.6	141.0	2.22	-2.21	0.42
4,546.0	23.70	80.50	4,328.8	183.7	1,023.3	146.9	1.48	-1.47	0.32
4,641.0	21.50	80.50	4,416.5	189.7	1,059.3	152.5	2.32	-2.32	0.00
4,736.0	20.20	80.70	4,505.2	195.2	1,092.6	157.7	1.37	-1.37	0.21
4,832.0	19.60	81.20	4,595.5	200.4	1,124.9	163.0	0.65	-0.63	0.52
4,927.0	17.60	81.60	4,685.5	204.9	1,154.9	168.1	2.11	-2.11	0.42

Survey Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well Merritt 6-66-9-0857CH
Project:	Weld Cty, CO	TVD Reference:	Revised @ 4844.0usft (Nabors #22)
Site:	Merritt 6-66-9 Pad	MD Reference:	Revised @ 4844.0usft (Nabors #22)
Well:	Merritt 6-66-9-0857CH	North Reference:	True
Wellbore:	Nabors #M22	Survey Calculation Method:	Minimum Curvature
Design:	Nabors M22	Database:	Rocky Mountain R5000 Database

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)	
5,022.0	15.80	79.80	4,776.5	209.3	1,181.8	172.4	1.97	-1.89	-1.89	
5,117.0	14.30	80.40	4,868.3	213.5	1,206.1	176.0	1.59	-1.58	0.63	
5,211.0	13.50	80.80	4,959.5	217.2	1,228.4	179.5	0.86	-0.85	0.43	
5,306.0	13.10	81.30	5,052.0	220.6	1,250.0	183.0	0.44	-0.42	0.53	
5,401.0	11.90	82.30	5,144.7	223.6	1,270.3	186.6	1.28	-1.26	1.05	
5,496.0	10.50	84.50	5,237.9	225.7	1,288.6	190.3	1.54	-1.47	2.32	
5,590.0	10.20	82.70	5,330.4	227.6	1,305.4	193.8	0.47	-0.32	-1.91	
5,686.0	8.40	82.20	5,425.1	229.6	1,320.8	196.7	1.88	-1.88	-0.52	
5,780.0	6.30	84.20	5,518.3	231.1	1,332.7	199.1	2.25	-2.23	2.13	
5,876.0	5.50	84.20	5,613.8	232.1	1,342.5	201.2	0.83	-0.83	0.00	
5,971.0	4.70	81.90	5,708.5	233.1	1,350.9	202.9	0.87	-0.84	-2.42	
6,066.0	3.70	77.60	5,803.2	234.3	1,357.8	203.9	1.10	-1.05	-4.53	
6,160.0	2.80	77.20	5,897.0	235.4	1,363.0	204.4	0.96	-0.96	-0.43	
6,255.0	2.10	73.00	5,992.0	236.5	1,366.9	204.7	0.76	-0.74	-4.42	
6,351.0	1.60	66.40	6,087.9	237.5	1,369.8	204.6	0.57	-0.52	-6.88	
6,445.0	1.20	61.40	6,181.9	238.5	1,371.9	204.3	0.44	-0.43	-5.32	
6,541.0	1.00	50.60	6,277.9	239.5	1,373.4	203.8	0.30	-0.21	-11.25	
6,637.0	0.80	36.20	6,373.8	240.6	1,374.4	203.1	0.31	-0.21	-15.00	
6,733.0	0.70	26.30	6,469.8	241.7	1,375.1	202.3	0.17	-0.10	-10.31	
6,829.0	0.70	4.90	6,565.8	242.8	1,375.4	201.4	0.27	0.00	-22.29	
6,869.0	0.60	4.40	6,605.8	243.2	1,375.5	201.0	0.25	-0.25	-1.25	
6,926.0	1.50	159.20	6,662.8	242.8	1,375.7	201.4	3.61	1.58	271.58	
6,957.0	5.90	171.40	6,693.8	240.9	1,376.1	203.4	14.34	14.19	39.35	
6,989.0	10.40	179.70	6,725.4	236.3	1,376.4	207.8	14.50	14.06	25.94	
7,021.0	13.50	183.10	6,756.7	229.7	1,376.2	214.0	9.93	9.69	10.63	
7,053.0	16.40	179.10	6,787.6	221.5	1,376.1	221.8	9.61	9.06	-12.50	
7,085.0	17.70	177.00	6,818.2	212.1	1,376.4	230.8	4.49	4.06	-6.56	
7,116.0	17.80	176.30	6,847.8	202.7	1,376.9	239.9	0.76	0.32	-2.26	
7,148.0	19.80	175.60	6,878.1	192.4	1,377.7	249.9	6.29	6.25	-2.19	
7,180.0	22.10	176.40	6,907.9	181.0	1,378.5	261.0	7.24	7.19	2.50	
7,211.0	24.60	177.20	6,936.4	168.7	1,379.1	272.9	8.13	8.06	2.58	
7,244.0	28.40	177.90	6,965.9	154.0	1,379.8	287.0	11.55	11.52	2.12	
7,275.0	32.40	178.40	6,992.7	138.3	1,380.3	302.1	12.93	12.90	1.61	
7,307.0	36.50	178.10	7,019.0	120.2	1,380.8	319.4	12.82	12.81	-0.94	
7,339.0	40.40	177.70	7,044.1	100.4	1,381.6	338.5	12.21	12.19	-1.25	
7,371.0	43.90	177.70	7,067.8	78.9	1,382.4	359.2	10.94	10.94	0.00	
7,402.0	47.50	178.30	7,089.5	56.7	1,383.2	380.5	11.70	11.61	1.94	
7,433.0	50.50	178.70	7,109.8	33.3	1,383.8	402.8	9.73	9.68	1.29	
7,465.0	54.50	178.50	7,129.3	8.0	1,384.4	427.1	12.51	12.50	-0.63	
7,497.0	59.20	178.60	7,146.8	-18.8	1,385.1	452.8	14.69	14.69	0.31	
7,529.0	64.20	179.20	7,161.9	-47.0	1,385.6	479.7	15.71	15.63	1.88	
7,560.0	69.70	179.20	7,174.1	-75.5	1,386.0	506.9	17.74	17.74	0.00	
7,592.0	75.20	179.30	7,183.7	-106.0	1,386.4	535.9	17.19	17.19	0.31	

Survey Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well Merritt 6-66-9-0857CH
Project:	Weld Cty, CO	TVD Reference:	Revised @ 4844.0usft (Nabors #22)
Site:	Merritt 6-66-9 Pad	MD Reference:	Revised @ 4844.0usft (Nabors #22)
Well:	Merritt 6-66-9-0857CH	North Reference:	True
Wellbore:	Nabors #M22	Survey Calculation Method:	Minimum Curvature
Design:	Nabors M22	Database:	Rocky Mountain R5000 Database

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)
7,623.0	78.50	178.80	7,190.8	-136.2	1,386.9	564.8	10.76	10.65	-1.61
7,654.0	79.50	179.20	7,196.7	-166.6	1,387.5	593.8	3.47	3.23	1.29
7,686.0	83.30	179.30	7,201.5	-198.2	1,387.9	624.0	11.88	11.88	0.31
7,758.0	90.10	179.30	7,205.6	-270.0	1,388.8	692.4	9.44	9.44	0.00
7,762.0	90.19	179.33	7,205.6	-274.1	1,388.8	696.3	2.46	2.34	0.74
M 0857CH LP									
7,852.0	92.30	180.00	7,203.6	-364.0	1,389.3	781.8	2.46	2.34	0.74
7,947.0	93.00	177.70	7,199.2	-458.9	1,391.2	872.5	2.53	0.74	-2.42
8,041.0	92.10	177.20	7,195.1	-552.7	1,395.4	962.9	1.10	-0.96	-0.53
8,136.0	90.90	177.50	7,192.6	-647.6	1,399.8	1,054.3	1.30	-1.26	0.32
8,232.0	91.00	177.10	7,191.0	-743.4	1,404.3	1,146.8	0.43	0.10	-0.42
8,327.0	89.90	177.50	7,190.2	-838.3	1,408.8	1,238.3	1.23	-1.16	0.42
8,423.0	89.70	177.70	7,190.6	-934.2	1,412.8	1,330.6	0.29	-0.21	0.21
8,518.0	89.70	177.20	7,191.1	-1,029.2	1,417.1	1,422.0	0.53	0.00	-0.53
8,614.0	88.70	178.20	7,192.4	-1,125.1	1,420.9	1,514.3	1.47	-1.04	1.04
8,709.0	90.10	178.00	7,193.4	-1,220.0	1,424.1	1,605.4	1.49	1.47	-0.21
8,803.0	89.10	177.80	7,194.1	-1,313.9	1,427.5	1,695.7	1.08	-1.06	-0.21
8,898.0	90.80	177.60	7,194.1	-1,408.9	1,431.3	1,787.0	1.80	1.79	-0.21
8,993.0	89.90	179.20	7,193.6	-1,503.8	1,434.0	1,878.0	1.93	-0.95	1.68
9,088.0	90.90	179.00	7,192.9	-1,598.8	1,435.5	1,968.7	1.07	1.05	-0.21
9,184.0	89.40	181.40	7,192.6	-1,694.8	1,435.1	2,059.7	2.95	-1.56	2.50
9,278.0	89.00	181.60	7,194.0	-1,788.7	1,432.7	2,148.1	0.48	-0.43	0.21
9,373.0	90.90	181.40	7,194.0	-1,883.7	1,430.2	2,237.5	2.01	2.00	-0.21
9,469.0	91.30	181.00	7,192.2	-1,979.7	1,428.2	2,328.0	0.59	0.42	-0.42
9,565.0	89.90	180.70	7,191.2	-2,075.7	1,426.7	2,418.7	1.49	-1.46	-0.31
9,660.0	91.30	180.60	7,190.2	-2,170.6	1,425.7	2,508.5	1.48	1.47	-0.11
9,755.0	90.80	178.90	7,188.5	-2,265.6	1,426.1	2,598.8	1.86	-0.53	-1.79
9,850.0	90.90	178.70	7,187.0	-2,360.6	1,428.1	2,689.6	0.24	0.11	-0.21
9,945.0	90.80	178.30	7,185.6	-2,455.5	1,430.6	2,780.5	0.43	-0.11	-0.42
10,040.0	89.90	179.50	7,185.1	-2,550.5	1,432.4	2,871.3	1.58	-0.95	1.26
10,135.0	89.50	178.80	7,185.6	-2,645.5	1,433.8	2,961.9	0.85	-0.42	-0.74
10,231.0	89.60	177.90	7,186.3	-2,741.5	1,436.5	3,053.9	0.94	0.10	-0.94
10,325.0	91.90	178.50	7,185.1	-2,835.4	1,439.5	3,144.0	2.53	2.45	0.64
10,419.0	90.20	178.40	7,183.4	-2,929.4	1,442.0	3,234.0	1.81	-1.81	-0.11
10,515.0	89.50	177.60	7,183.6	-3,025.3	1,445.4	3,326.1	1.11	-0.73	-0.83
10,609.0	91.20	178.60	7,183.0	-3,119.2	1,448.5	3,416.3	2.10	1.81	1.06
10,704.0	88.00	179.00	7,183.7	-3,214.2	1,450.5	3,507.1	3.39	-3.37	0.42
10,799.0	87.40	179.20	7,187.5	-3,309.1	1,452.0	3,597.7	0.67	-0.63	0.21
10,894.0	89.00	179.40	7,190.5	-3,404.1	1,453.1	3,688.2	1.70	1.68	0.21
10,989.0	90.90	179.50	7,190.6	-3,499.0	1,454.1	3,778.6	2.00	2.00	0.11
11,085.0	91.60	178.50	7,188.5	-3,595.0	1,455.7	3,870.3	1.27	0.73	-1.04
11,179.0	93.10	177.90	7,184.6	-3,688.9	1,458.7	3,960.3	1.72	1.60	-0.64
11,274.0	91.50	176.30	7,180.8	-3,783.7	1,463.5	4,051.8	2.38	-1.68	-1.68
11,369.0	91.30	176.60	7,178.5	-3,878.5	1,469.4	4,143.7	0.38	-0.21	0.32

Survey Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well Merritt 6-66-9-0857CH
Project:	Weld Cty, CO	TVD Reference:	Revised @ 4844.0usft (Nabors #22)
Site:	Merritt 6-66-9 Pad	MD Reference:	Revised @ 4844.0usft (Nabors #22)
Well:	Merritt 6-66-9-0857CH	North Reference:	True
Wellbore:	Nabors #M22	Survey Calculation Method:	Minimum Curvature
Design:	Nabors M22	Database:	Rocky Mountain R5000 Database

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)	
11,465.0	89.60	175.50	7,177.7	-3,974.2	1,476.0	4,236.7	2.11	-1.77	-1.15	
11,560.0	88.20	175.80	7,179.6	-4,068.9	1,483.2	4,328.9	1.51	-1.47	0.32	
11,655.0	89.40	175.60	7,181.6	-4,163.6	1,490.3	4,421.0	1.28	1.26	-0.21	
11,751.0	91.10	175.40	7,181.1	-4,259.3	1,497.8	4,514.2	1.78	1.77	-0.21	
11,846.0	92.30	174.80	7,178.3	-4,353.9	1,505.9	4,606.6	1.41	1.26	-0.63	
11,942.0	93.40	173.80	7,173.5	-4,449.4	1,515.5	4,700.2	1.55	1.15	-1.04	
11,987.8	93.40	173.80	7,170.8	-4,494.8	1,520.4	4,744.9	0.00	0.00	0.00	
M 0857CH PBHL										
11,988.0	93.40	173.80	7,170.8	-4,495.0	1,520.4	4,745.1	0.00	0.00	0.00	
Projected Survey to 11,988' MD										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,988.0	7,170.8	-4,495.0	1,520.4	Projected Survey to 11,988' MD	

Checked By: _____	Approved By: _____	Date: _____
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