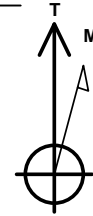


BILL BARRETT CORP
 Circle B 6-66-9-0461CH
 Weld Cty, CO

Geodetic System: US State Plane 1983
Zone: Colorado Northern Zone
KB @ 4837.0usft (Original Well Elev)
Ground Level: 4814.0
Latitude: 40° 30' 33.400 N
Longitude: 104° 47' 5.300 W



Azimuths to True North
 Magnetic North: 8.51°

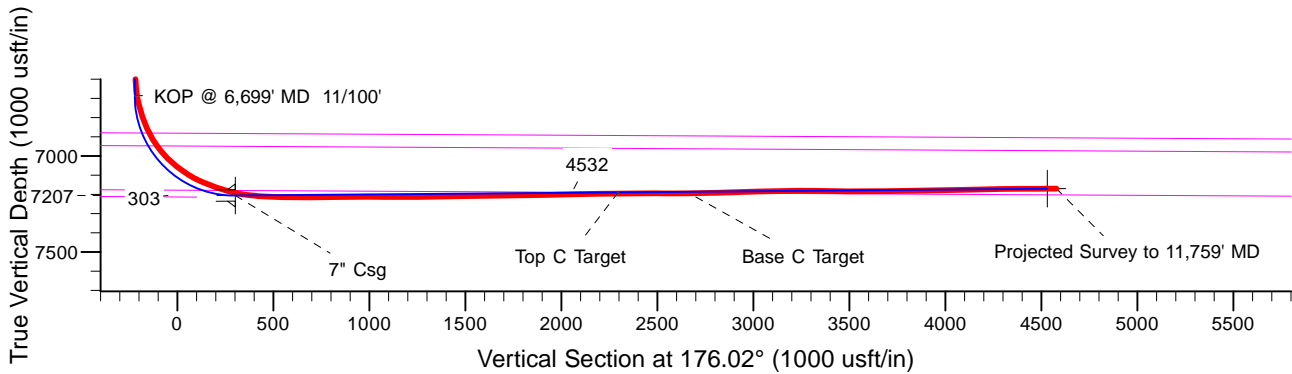
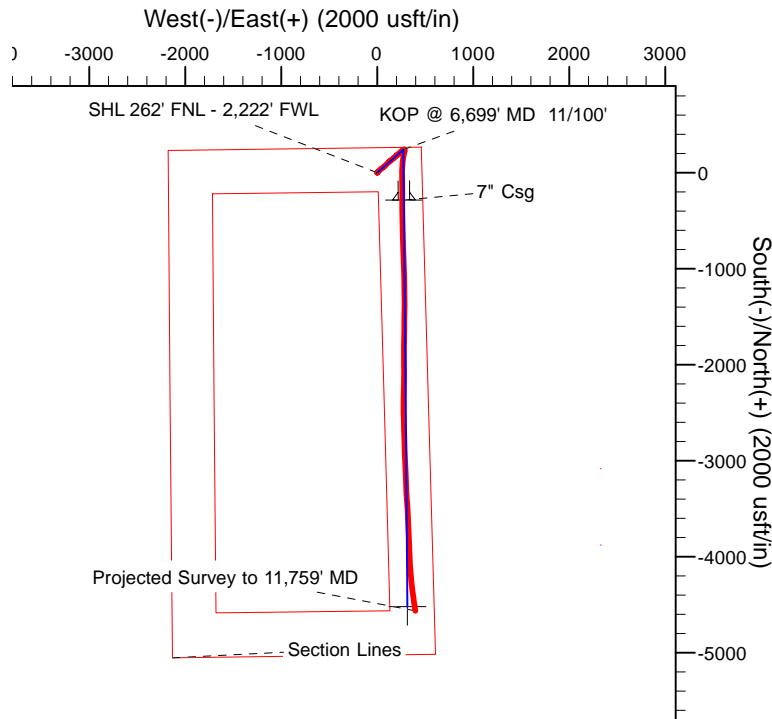
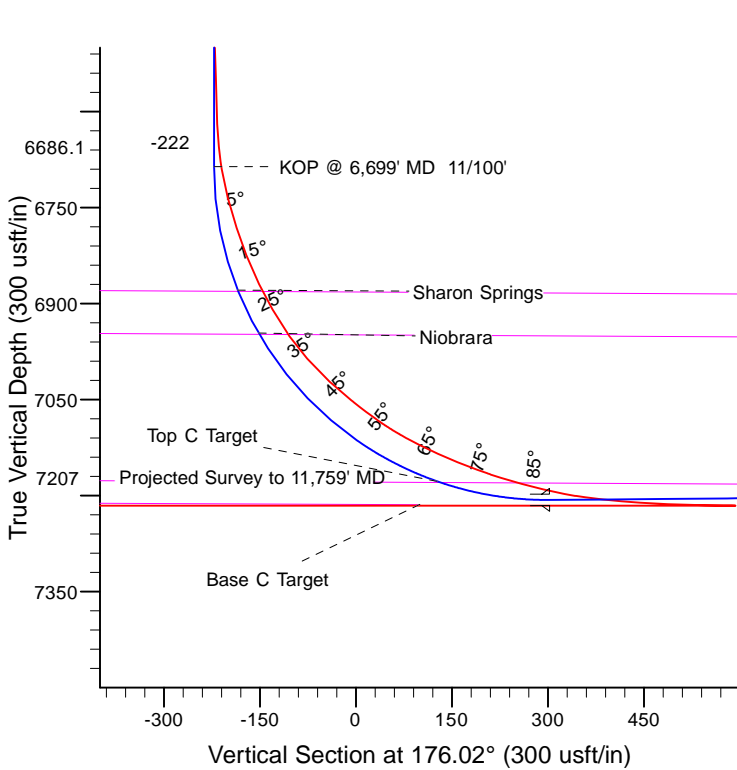
Magnetic Field
 Strength: 52896.8snT
 Dip Angle: 67.04°
 Date: 3/15/2014
 Model: IGRF2010

Magnetic North is 8.51° East of True North (Magnetic Declination)

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
1283.7	4.25	48.60	1283.4	7.0	7.9	1.50	48.60	-6.4
5915.7	4.25	48.60	5902.7	234.2	265.7	0.00	0.00	-215.2
6199.4	0.00	0.00	6186.1	241.2	273.6	1.50	180.00	-221.6
6699.4	0.00	0.00	6686.1	241.2	273.6	0.00	0.00	-221.6
7522.0	90.49	179.51	7206.9	-284.1	278.1	11.00	179.51	302.7
11759.2	90.49	179.51	7171.0	-4521.0	314.3	0.00	0.00	4531.9

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4459.9	4468.9	Sussex
4857.6	4867.8	Shannon
6879.1	6897.1	Sharon Springs
6946.3	6971.8	Niobrara
7177.8	7342.5	Top C Target



Plan: Design #1 (Circle B 6-66-9-0461CH/Nabors #M22)

Created By: Mike Kirby Date: 7:48, March 22 2014
 Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: x Date: x

Survey Report

Company: BILL BARRETT CORP	Local Co-ordinate Reference: Well Circle B 6-66-9-0461CH
Project: Weld Cty, CO	TVD Reference: KB @ 4837.0usft (Original Well Elev)
Site: Circle B 6-66-9 Pad	MD Reference: KB @ 4837.0usft (Original Well Elev)
Well: Circle B 6-66-9-0461CH	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 Circle B 6-66-9 Pad			
Site Position:	Northing: 1,429,172.41 usft	Latitude:	40° 30' 33.400 N
From: Lat/Long	Easting: 3,198,865.82 usft	Longitude:	104° 47' 5.300 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence:	0.46 °

Well Circle B 6-66-9-0461CH					
Well Position	+N/-S 0.0 usft	Northing: 1,429,173.73 usft	Latitude:	40° 30' 33.408 N	
	+E/-W 0.0 usft	Easting: 3,198,931.31 usft	Longitude:	104° 47' 4.452 W	
Position Uncertainty	0.0 usft	Wellhead Elevation: 4,837.0 usft	Ground Level:	4,814.0 usft	

Wellbore Nabors #M22					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/15/2014	8.51	67.04	52,897

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	176.02	

Survey Program		Date 3/22/2014
From (usft)	To (usft)	Survey (Wellbore)
100.0	11,759.0	Final Survey Report (Nabors #M22)
		Tool Name MWD
		Description 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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
Tie-on to Gyro Survey										
100.0	0.51	41.10	100.0	0.3	0.3	-0.3	0.51	0.51	0.00	
200.0	0.53	353.99	200.0	1.1	0.5	-1.1	0.42	0.02	-47.11	
300.0	0.70	335.24	300.0	2.1	0.2	-2.1	0.26	0.17	-18.75	
400.0	0.58	318.89	400.0	3.1	-0.4	-3.1	0.22	-0.12	-16.35	
500.0	0.23	262.75	500.0	3.4	-0.9	-3.5	0.49	-0.35	-56.14	
600.0	0.44	242.94	600.0	3.2	-1.4	-3.3	0.24	0.21	-19.81	
700.0	0.14	173.42	700.0	2.9	-1.8	-3.1	0.41	-0.30	-69.52	
740.0	0.44	311.26	740.0	3.0	-1.9	-3.1	1.38	0.75	344.60	
857.0	0.70	195.00	857.0	2.6	-2.4	-2.8	0.84	0.22	-99.37	

Survey Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well Circle B 6-66-9-0461CH
Project:	Weld Cty, CO	TVD Reference:	KB @ 4837.0usft (Original Well Elev)
Site:	Circle B 6-66-9 Pad	MD Reference:	KB @ 4837.0usft (Original Well Elev)
Well:	Circle B 6-66-9-0461CH	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)	
948.0	0.70	196.30	948.0	1.5	-2.7	-1.7	0.02	0.00	1.43	
1,040.0	1.00	123.90	1,040.0	0.5	-2.2	-0.7	1.12	0.33	-78.70	
1,133.0	1.80	88.40	1,132.9	0.1	0.0	-0.1	1.23	0.86	-38.17	
1,224.0	2.80	55.50	1,223.9	1.4	3.2	-1.2	1.78	1.10	-36.15	
1,316.0	4.00	33.20	1,315.7	5.4	6.8	-4.9	1.92	1.30	-24.24	
1,409.0	4.80	40.70	1,408.4	11.1	11.1	-10.3	1.06	0.86	8.06	
1,501.0	4.40	38.70	1,500.1	16.7	15.9	-15.6	0.47	-0.43	-2.17	
1,593.0	5.60	39.50	1,591.8	22.9	20.9	-21.4	1.31	1.30	0.87	
1,687.0	4.70	46.00	1,685.4	29.2	26.6	-27.2	1.14	-0.96	6.91	
1,779.0	4.40	51.80	1,777.1	34.0	32.1	-31.6	0.60	-0.33	6.30	
1,871.0	4.30	50.30	1,868.8	38.3	37.5	-35.6	0.16	-0.11	-1.63	
1,964.0	4.00	51.80	1,961.6	42.6	42.7	-39.5	0.34	-0.32	1.61	
2,056.0	4.20	56.90	2,053.4	46.4	48.1	-43.0	0.45	0.22	5.54	
2,148.0	3.60	59.00	2,145.2	49.7	53.4	-45.9	0.67	-0.65	2.28	
2,240.0	4.50	53.30	2,236.9	53.4	58.8	-49.2	1.07	0.98	-6.20	
2,333.0	4.20	53.20	2,329.7	57.6	64.4	-53.0	0.32	-0.32	-0.11	
2,428.0	3.60	51.30	2,424.4	61.5	69.5	-56.6	0.65	-0.63	-2.00	
2,523.0	5.70	49.10	2,519.1	66.5	75.4	-61.1	2.22	2.21	-2.32	
2,617.0	5.70	49.40	2,612.7	72.6	82.5	-66.7	0.03	0.00	0.32	
2,713.0	5.70	43.50	2,708.2	79.2	89.4	-72.8	0.61	0.00	-6.15	
2,808.0	5.50	42.10	2,802.7	86.0	95.7	-79.1	0.25	-0.21	-1.47	
2,903.0	5.10	42.70	2,897.3	92.4	101.6	-85.2	0.43	-0.42	0.63	
2,998.0	4.00	41.30	2,992.0	98.0	106.7	-90.4	1.16	-1.16	-1.47	
3,094.0	5.10	49.30	3,087.7	103.3	112.1	-95.3	1.32	1.15	8.33	
3,189.0	4.50	46.40	3,182.4	108.6	118.0	-100.2	0.68	-0.63	-3.05	
3,284.0	3.30	51.60	3,277.2	112.9	122.8	-104.1	1.32	-1.26	5.47	
3,379.0	2.90	36.70	3,372.0	116.5	126.4	-107.5	0.94	-0.42	-15.68	
3,474.0	3.60	38.10	3,466.9	120.8	129.7	-111.5	0.74	0.74	1.47	
3,569.0	4.90	55.50	3,561.6	125.5	134.9	-115.8	1.91	1.37	18.32	
3,664.0	3.10	56.30	3,656.4	129.2	140.4	-119.1	1.90	-1.89	0.84	
3,759.0	3.80	60.90	3,751.2	132.1	145.3	-121.7	0.79	0.74	4.84	
3,855.0	6.00	55.60	3,846.8	136.5	152.2	-125.6	2.34	2.29	-5.52	
3,950.0	6.30	51.50	3,941.3	142.6	160.3	-131.1	0.56	0.32	-4.32	
4,045.0	6.40	50.40	4,035.7	149.2	168.5	-137.1	0.17	0.11	-1.16	
4,140.0	5.00	49.30	4,130.2	155.3	175.7	-142.7	1.48	-1.47	-1.16	
4,235.0	3.40	53.40	4,225.0	159.6	181.1	-146.7	1.71	-1.68	4.32	
4,330.0	3.40	43.80	4,319.8	163.4	185.3	-150.1	0.60	0.00	-10.11	
4,425.0	3.60	46.40	4,414.6	167.4	189.4	-153.9	0.27	0.21	2.74	
4,520.0	4.10	42.90	4,509.4	172.0	193.9	-158.1	0.58	0.53	-3.68	
4,616.0	3.80	42.10	4,605.2	176.9	198.4	-162.7	0.32	-0.31	-0.83	
4,711.0	2.40	43.50	4,700.1	180.6	201.9	-166.2	1.48	-1.47	1.47	
4,806.0	3.40	47.70	4,794.9	184.0	205.3	-169.3	1.08	1.05	4.42	
4,901.0	3.30	51.50	4,889.8	187.6	209.5	-172.6	0.26	-0.11	4.00	

Survey Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well Circle B 6-66-9-0461CH
Project:	Weld Cty, CO	TVD Reference:	KB @ 4837.0usft (Original Well Elev)
Site:	Circle B 6-66-9 Pad	MD Reference:	KB @ 4837.0usft (Original Well Elev)
Well:	Circle B 6-66-9-0461CH	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)	
4,996.0	4.90	48.60	4,984.5	192.0	214.7	-176.6	1.70	1.68	-3.05	
5,091.0	5.00	49.00	5,079.2	197.4	220.9	-181.6	0.11	0.11	0.42	
5,186.0	4.00	48.40	5,173.9	202.3	226.5	-186.1	1.05	-1.05	-0.63	
5,281.0	2.80	47.50	5,268.7	206.1	230.7	-189.5	1.26	-1.26	-0.95	
5,375.0	3.30	52.40	5,362.6	209.3	234.5	-192.5	0.60	0.53	5.21	
5,470.0	4.00	53.20	5,457.4	212.9	239.3	-195.8	0.74	0.74	0.84	
5,565.0	4.20	50.50	5,552.1	217.1	244.7	-199.6	0.29	0.21	-2.84	
5,660.0	4.80	50.40	5,646.8	221.9	250.4	-203.9	0.63	0.63	-0.11	
5,755.0	3.80	52.30	5,741.6	226.3	256.0	-208.0	1.06	-1.05	2.00	
5,851.0	4.60	50.70	5,837.3	230.7	261.5	-212.0	0.84	0.83	-1.67	
5,945.0	3.60	55.20	5,931.1	234.8	266.8	-215.7	1.12	-1.06	4.79	
6,040.0	2.50	66.50	6,025.9	237.3	271.2	-217.9	1.31	-1.16	11.89	
6,135.0	2.30	38.40	6,120.9	239.6	274.3	-220.0	1.24	-0.21	-29.58	
6,230.0	1.80	53.90	6,215.8	242.0	276.6	-222.2	0.78	-0.53	16.32	
6,325.0	1.70	79.20	6,310.8	243.1	279.2	-223.2	0.81	-0.11	26.63	
6,420.0	1.40	138.90	6,405.7	242.5	281.4	-222.4	1.65	-0.32	62.84	
6,515.0	1.80	129.10	6,500.7	240.7	283.3	-220.5	0.51	0.42	-10.32	
6,600.0	2.40	154.30	6,585.6	238.3	285.1	-217.9	1.28	0.71	29.65	
6,611.0	2.30	155.50	6,596.6	237.8	285.3	-217.5	1.01	-0.91	10.91	
6,642.0	2.90	167.70	6,627.6	236.5	285.7	-216.1	2.62	1.94	39.35	
6,674.0	5.90	182.70	6,659.5	234.1	285.8	-213.7	9.96	9.38	46.88	
6,705.0	9.30	186.90	6,690.2	230.0	285.4	-209.6	11.11	10.97	13.55	
6,750.0	15.30	189.90	6,734.2	220.5	284.0	-200.3	13.40	13.33	6.67	
6,800.0	18.60	190.40	6,782.0	206.2	281.4	-186.2	6.61	6.60	1.00	
6,845.0	22.10	194.20	6,824.2	190.9	278.0	-171.2	8.31	7.78	8.44	
6,895.0	26.50	192.70	6,869.7	170.9	273.3	-151.5	8.89	8.80	-3.00	
6,940.0	31.20	189.70	6,909.1	149.6	269.1	-130.6	10.93	10.44	-6.67	
6,990.0	35.40	186.80	6,950.9	122.5	265.2	-103.8	8.98	8.40	-5.80	
7,035.0	41.50	182.90	6,986.2	94.6	262.9	-76.1	14.58	13.56	-8.67	
7,085.0	47.60	180.90	7,021.8	59.6	261.8	-41.2	12.52	12.20	-4.00	
7,130.0	50.90	181.90	7,051.1	25.5	260.9	-7.3	7.52	7.33	2.22	
7,180.0	54.90	182.50	7,081.3	-14.4	259.4	32.3	8.06	8.00	1.20	
7,225.0	60.30	180.20	7,105.4	-52.3	258.5	70.1	12.75	12.00	-5.11	
7,275.0	64.90	179.20	7,128.4	-96.7	258.8	114.4	9.37	9.20	-2.00	
7,320.0	67.50	179.00	7,146.6	-137.9	259.4	155.5	5.79	5.78	-0.44	
7,415.0	74.00	179.40	7,177.9	-227.5	260.7	245.0	6.85	6.84	0.42	
7,468.0	76.80	179.20	7,191.2	-278.8	261.3	296.2	5.30	5.28	-0.38	
7,476.4	77.46	179.48	7,193.1	-287.0	261.4	304.4	8.53	7.90	3.29	
CB 0461CH LP (copy) (copy)										
7,511.0	80.20	180.60	7,199.8	-320.9	261.4	338.3	8.53	7.91	3.25	
7,535.0	82.90	180.10	7,203.3	-344.6	261.2	361.9	11.44	11.25	-2.08	
7,577.0	84.50	179.50	7,207.9	-386.4	261.4	403.6	4.07	3.81	-1.43	
7,645.0	87.50	180.40	7,212.7	-454.2	261.4	471.3	4.61	4.41	1.32	

Survey Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well Circle B 6-66-9-0461CH
Project:	Weld Cty, CO	TVD Reference:	KB @ 4837.0usft (Original Well Elev)
Site:	Circle B 6-66-9 Pad	MD Reference:	KB @ 4837.0usft (Original Well Elev)
Well:	Circle B 6-66-9-0461CH	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)	
7,672.0	87.50	179.90	7,213.9	-481.2	261.3	498.2	1.85	0.00	-1.85	
7,717.0	89.10	178.80	7,215.2	-526.2	261.9	543.1	4.31	3.56	-2.44	
7,767.0	89.40	178.10	7,215.8	-576.1	263.2	593.0	1.52	0.60	-1.40	
7,863.0	90.60	177.70	7,215.8	-672.1	266.7	689.0	1.32	1.25	-0.42	
7,957.0	90.90	177.60	7,214.6	-766.0	270.6	782.9	0.34	0.32	-0.11	
8,052.0	90.10	177.60	7,213.8	-860.9	274.6	877.9	0.84	-0.84	0.00	
8,148.0	89.90	177.30	7,213.8	-956.8	278.8	973.9	0.38	-0.21	-0.31	
8,243.0	90.20	179.70	7,213.7	-1,051.8	281.3	1,068.8	2.55	0.32	2.53	
8,338.0	89.70	179.00	7,213.8	-1,146.8	282.4	1,163.6	0.91	-0.53	-0.74	
8,433.0	90.60	180.20	7,213.5	-1,241.8	283.1	1,258.4	1.58	0.95	1.26	
8,528.0	90.70	180.00	7,212.5	-1,336.7	282.9	1,353.2	0.24	0.11	-0.21	
8,622.0	91.10	180.10	7,211.0	-1,430.7	282.8	1,446.9	0.44	0.43	0.11	
8,717.0	91.50	180.30	7,208.8	-1,525.7	282.5	1,541.6	0.47	0.42	0.21	
8,812.0	90.50	180.50	7,207.2	-1,620.7	281.8	1,636.3	1.07	-1.05	0.21	
8,907.0	90.70	180.80	7,206.2	-1,715.7	280.7	1,731.0	0.38	0.21	0.32	
9,002.0	90.90	180.80	7,204.8	-1,810.7	279.4	1,825.7	0.21	0.21	0.00	
9,098.0	91.30	180.40	7,203.0	-1,906.6	278.4	1,921.4	0.59	0.42	-0.42	
9,193.0	91.60	180.30	7,200.6	-2,001.6	277.8	2,016.1	0.33	0.32	-0.11	
9,288.0	90.70	179.70	7,198.7	-2,096.6	277.8	2,110.8	1.14	-0.95	-0.63	
9,382.0	90.80	180.40	7,197.5	-2,190.6	277.7	2,204.6	0.75	0.11	0.74	
9,478.0	90.50	180.50	7,196.4	-2,286.6	277.0	2,300.3	0.33	-0.31	0.10	
9,573.0	90.90	181.90	7,195.2	-2,381.5	275.0	2,394.9	1.53	0.42	1.47	
9,668.0	90.10	179.40	7,194.4	-2,476.5	273.9	2,489.6	2.76	-0.84	-2.63	
9,763.0	90.00	178.10	7,194.3	-2,571.5	276.0	2,584.5	1.37	-0.11	-1.37	
9,859.0	89.70	177.70	7,194.6	-2,667.4	279.5	2,680.4	0.52	-0.31	-0.42	
9,954.0	91.70	178.40	7,193.4	-2,762.4	282.7	2,775.3	2.23	2.11	0.74	
10,049.0	92.20	178.10	7,190.2	-2,857.3	285.6	2,870.2	0.61	0.53	-0.32	
10,144.0	91.70	177.40	7,186.9	-2,952.1	289.4	2,965.1	0.91	-0.53	-0.74	
10,240.0	91.40	177.40	7,184.3	-3,048.0	293.7	3,061.0	0.31	-0.31	0.00	
10,335.0	90.40	178.60	7,182.8	-3,142.9	297.0	3,156.0	1.64	-1.05	1.26	
10,430.0	89.90	177.80	7,182.6	-3,237.9	300.0	3,250.9	0.99	-0.53	-0.84	
10,525.0	89.80	176.10	7,182.8	-3,332.7	305.1	3,345.9	1.79	-0.11	-1.79	
10,620.0	89.00	176.10	7,183.8	-3,427.5	311.5	3,440.9	0.84	-0.84	0.00	
10,715.0	90.10	177.10	7,184.6	-3,522.3	317.2	3,535.9	1.56	1.16	1.05	
10,810.0	90.20	176.70	7,184.3	-3,617.2	322.3	3,630.9	0.43	0.11	-0.42	
10,905.0	91.50	178.30	7,182.9	-3,712.1	326.5	3,725.8	2.17	1.37	1.68	
11,001.0	90.40	177.60	7,181.3	-3,808.0	329.9	3,821.7	1.36	-1.15	-0.73	
11,095.0	91.10	178.80	7,180.1	-3,902.0	332.8	3,915.7	1.48	0.74	1.28	
11,190.0	91.40	177.50	7,178.0	-3,996.9	335.9	4,010.6	1.40	0.32	-1.37	
11,285.0	91.00	175.20	7,176.0	-4,091.7	342.0	4,105.5	2.46	-0.42	-2.42	
11,380.0	91.50	175.30	7,174.0	-4,186.3	349.8	4,200.5	0.54	0.53	0.11	
11,476.0	90.30	173.80	7,172.5	-4,281.9	358.9	4,296.5	2.00	-1.25	-1.56	
11,571.0	90.50	172.80	7,171.8	-4,376.2	370.0	4,391.3	1.07	0.21	-1.05	
11,666.0	90.20	171.70	7,171.2	-4,470.3	382.8	4,486.1	1.20	-0.32	-1.16	

Survey Report

Company: BILL BARRETT CORP	Local Co-ordinate Reference: Well Circle B 6-66-9-0461CH
Project: Weld Cty, CO	TVD Reference: KB @ 4837.0usft (Original Well Elev)
Site: Circle B 6-66-9 Pad	MD Reference: KB @ 4837.0usft (Original Well Elev)
Well: Circle B 6-66-9-0461CH	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)	
11,706.0	90.70	171.50	7,170.9	-4,509.9	388.7	4,526.0	1.35	1.25	-0.50	
CB 0461CH PBHL (copy) (copy)										
11,759.0	90.70	171.50	7,170.3	-4,562.3	396.5	4,578.8	0.00	0.00	0.00	
Projected Survey to 11,759' MD										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
0.0	0.0	0.0	0.0	Tie-on to Gyro Survey	
11,759.0	7,170.3	-4,562.3	396.5	Projected Survey to 11,759' MD	

Checked By: _____ Approved By: _____ Date: _____