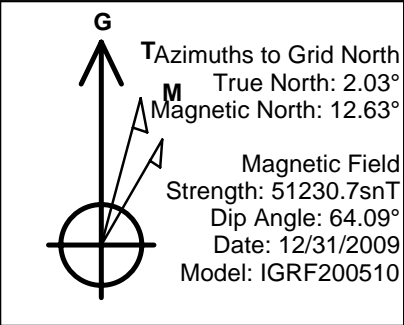


COMPANY DETAILS: BILL BARRETT CORP									
Calculation Method: Minimum Curvature									
Error System: ISCWSA									
Scan Method: Closest Approach 3D									
Error Surface: Elliptical Conic									
Warning Method: Error Ratio									

WELL DETAILS: Daves 3S-11-39-18						
		Ground Level:		0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	378248.424	1043901.812	37° 39' 32.616 N	108° 48' 12.3840 W	

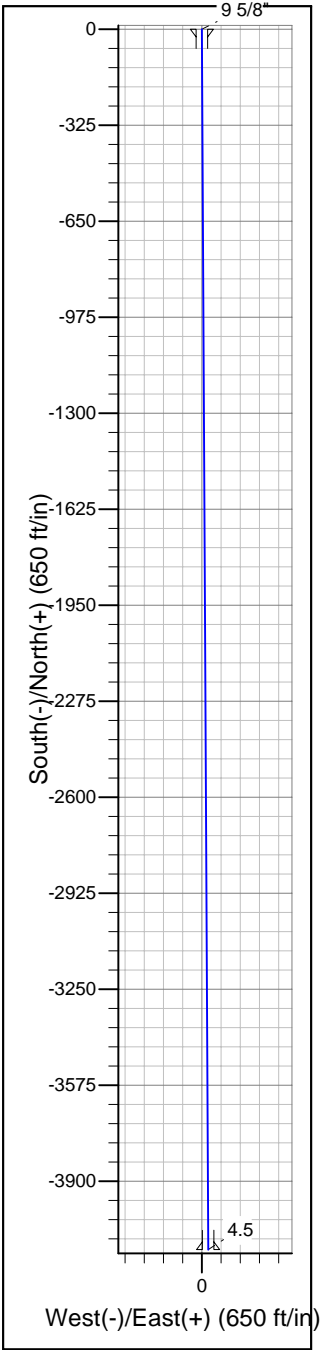
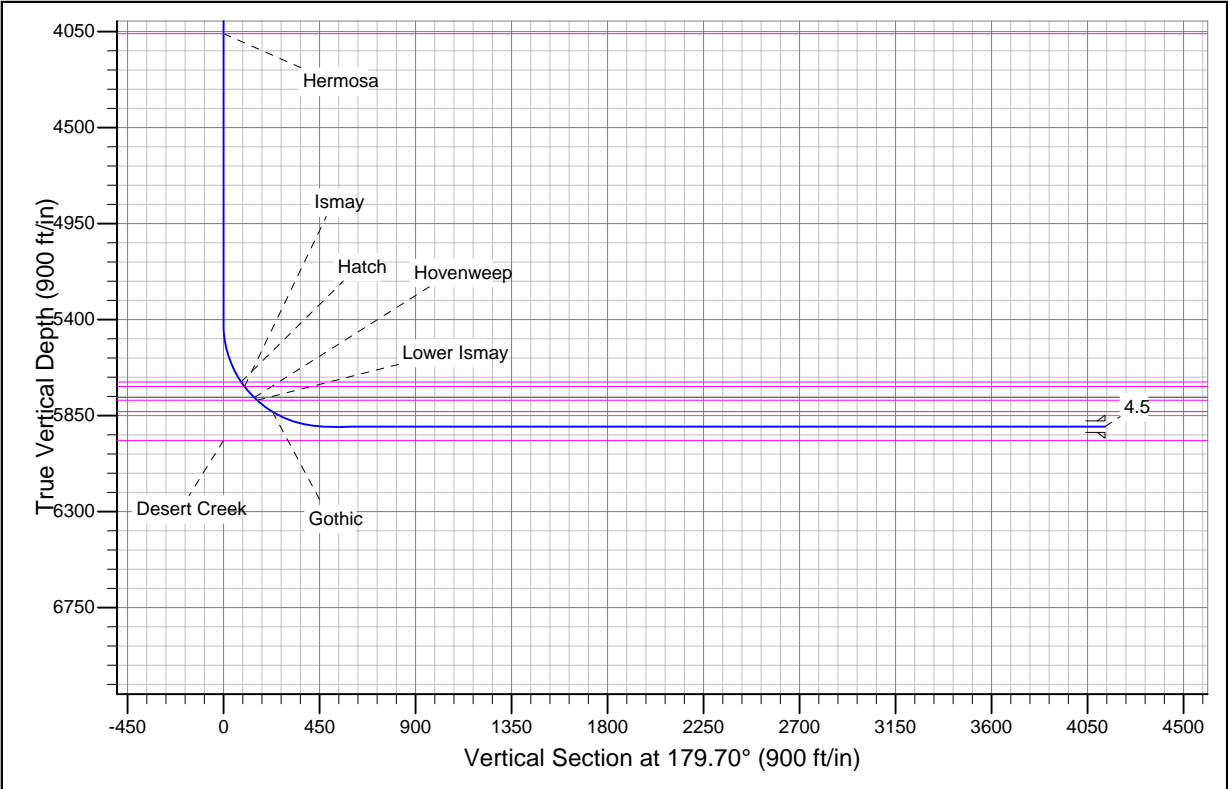
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	423.53	0.00	0.00	5423.53	0.00	0.00	0.00	0.00	0.00	
3	173.54	90.00	179.70	5901.00	-477.46	2.52	12.00	179.70	477.47	
4	828.53	90.00	179.70	5901.00	-4132.40	21.83	0.00	0.00	4132.46	PBHL Daves 3S-11-39-18



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
PBHL Daves 3S-11-39-18	5901.00	-4132.40	21.83	374116.030	1043923.642	Rectangle (Sides: L4134.00 W100.00)	

CASING DETAILS			
TVD	MD	Name	Size
2000.00	2000.00	9 5/8"	9-5/8
5901.00	9828.00	4.5	4-1/2

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1111.00	1111.00	Desert Creek
1570.00	1570.00	Entrada
4060.00	4060.00	Chinle
5692.00	5708.64	Hermosa
5713.00	5734.53	Hatch
5765.00	5804.01	Ismay
5778.00	5823.00	Hovenweep
5831.00	5911.72	Lower Ismay
		Gothic



# **BILL BARRETT CORP**

Dolores County, Colorado

**SECTION 11 T39N R18W**

**Daves 3S-11-39-18**

**Daves 3S-11-39-18**

**Plan: Daves 3S\_BBC\_DRS\_5-13-10**

## **Standard Planning Report - Geographic**

**25 May, 2010**

# BBC

## Planning Report - Geographic

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Daves 3S-11-39-18
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 6701.10ft (Original Well Elev)
<b>Project:</b>		<b>MD Reference:</b>	WELL @ 6701.10ft (Original Well Elev)
<b>Site:</b>	SECTION 11 T39N R18W	<b>North Reference:</b>	Grid
<b>Well:</b>	Daves 3S-11-39-18	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Daves 3S-11-39-18		
<b>Design:</b>	Daves 3S_BBC_DRS_5-13-10		

<b>Project</b>	MONTEZUMA COUNTY, COLORADO		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Ground Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Colorado South 503		

Site	SECTION 11 T39N R18W, Johnson				
Site Position:		Northing:	378,248.429ft	Latitude:	37° 39' 32.616 N
From:	Lat/Long	Easting:	1,043,901.812ft	Longitude:	108° 48' 12.3840 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	-2.03 °

Well	Daves 3S-11-39-18, NENW Section 11, T39N-R18W					
Well Position	+N-S	-0.01 ft	Northing:	378,248.424 ft	Latitude:	37° 39' 32.616 N
	+E-W	0.00 ft	Easting:	1,043,901.812 ft	Longitude:	108° 48' 12.3840 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	0.00 ft

<b>Wellbore</b>	Daves 3S-11-39-18				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	12/31/2009	10.61	64.09	51,231

<b>Design</b>	Daves 3S_BBC_DRS_5-13-10				
<b>Audit Notes:</b>					
<b>Version:</b>	1	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	179.70	

<b>Plan Sections</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,423.53	0.00	0.00	5,423.53	0.00	0.00	0.00	0.00	0.00	0.00	
6,173.54	90.00	179.70	5,901.00	-477.46	2.52	12.00	12.00	0.00	179.70	
9,828.53	90.00	179.70	5,901.00	-4,132.40	21.83	0.00	0.00	0.00	0.00	PBHL Daves 3S-11

# BBC

## Planning Report - Geographic

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Daves 3S-11-39-18
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 6701.10ft (Original Well Elev)
<b>Project:</b>	MONTEZUMA COUNTY, COLORADO	<b>MD Reference:</b>	WELL @ 6701.10ft (Original Well Elev)
<b>Site:</b>	SECTION 11 T39N R18W	<b>North Reference:</b>	Grid
<b>Well:</b>	Daves 3S-11-39-18	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Daves 3S-11-39-18		
<b>Design:</b>	Daves 3S_BBC_DRS_5-13-10		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
100.00	0.00	0.00	100.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
200.00	0.00	0.00	200.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
300.00	0.00	0.00	300.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
400.00	0.00	0.00	400.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
500.00	0.00	0.00	500.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
600.00	0.00	0.00	600.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
700.00	0.00	0.00	700.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
800.00	0.00	0.00	800.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
900.00	0.00	0.00	900.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,100.00	0.00	0.00	1,100.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,111.00	0.00	0.00	1,111.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
<b>Entrada</b>									
1,200.00	0.00	0.00	1,200.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,300.00	0.00	0.00	1,300.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,400.00	0.00	0.00	1,400.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,500.00	0.00	0.00	1,500.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,570.00	0.00	0.00	1,570.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
<b>Chinle</b>									
1,600.00	0.00	0.00	1,600.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,700.00	0.00	0.00	1,700.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,800.00	0.00	0.00	1,800.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
1,900.00	0.00	0.00	1,900.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,000.00	0.00	0.00	2,000.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
<b>9 5/8"</b>									
2,100.00	0.00	0.00	2,100.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,200.00	0.00	0.00	2,200.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,300.00	0.00	0.00	2,300.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,400.00	0.00	0.00	2,400.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,500.00	0.00	0.00	2,500.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,600.00	0.00	0.00	2,600.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,700.00	0.00	0.00	2,700.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,800.00	0.00	0.00	2,800.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
2,900.00	0.00	0.00	2,900.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,000.00	0.00	0.00	3,000.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,100.00	0.00	0.00	3,100.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,200.00	0.00	0.00	3,200.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,300.00	0.00	0.00	3,300.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,400.00	0.00	0.00	3,400.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,500.00	0.00	0.00	3,500.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,600.00	0.00	0.00	3,600.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,700.00	0.00	0.00	3,700.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,800.00	0.00	0.00	3,800.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
3,900.00	0.00	0.00	3,900.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
4,000.00	0.00	0.00	4,000.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
4,060.00	0.00	0.00	4,060.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
<b>Hermosa</b>									
4,100.00	0.00	0.00	4,100.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
4,200.00	0.00	0.00	4,200.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
4,300.00	0.00	0.00	4,300.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
4,400.00	0.00	0.00	4,400.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
4,500.00	0.00	0.00	4,500.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W
4,600.00	0.00	0.00	4,600.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W

# BBC

## Planning Report - Geographic

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Daves 3S-11-39-18
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 6701.10ft (Original Well Elev)
<b>Project:</b>		<b>MD Reference:</b>	WELL @ 6701.10ft (Original Well Elev)
<b>Site:</b>	SECTION 11 T39N R18W	<b>North Reference:</b>	Grid
<b>Well:</b>	Daves 3S-11-39-18	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Daves 3S-11-39-18		
<b>Design:</b>	Daves 3S_BBC_DRS_5-13-10		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude	
4,700.00	0.00	0.00	4,700.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
4,800.00	0.00	0.00	4,800.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
4,900.00	0.00	0.00	4,900.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
5,100.00	0.00	0.00	5,100.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
5,200.00	0.00	0.00	5,200.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
5,300.00	0.00	0.00	5,300.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
5,400.00	0.00	0.00	5,400.00	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
5,423.53	0.00	0.00	5,423.53	0.00	0.00	378,248.424	1,043,901.812	37° 39' 32.616 N	108° 48' 12.3840 W	
5,500.00	9.18	179.70	5,499.67	-6.11	0.03	378,242.314	1,043,901.844	37° 39' 32.556 N	108° 48' 12.3809 W	
5,600.00	21.18	179.70	5,596.01	-32.24	0.17	378,216.184	1,043,901.982	37° 39' 32.297 N	108° 48' 12.3677 W	
5,700.00	33.18	179.70	5,684.81	-77.83	0.41	378,170.596	1,043,902.223	37° 39' 31.847 N	108° 48' 12.3447 W	
5,708.64	34.21	179.70	5,692.00	-82.62	0.44	378,165.801	1,043,902.249	37° 39' 31.800 N	108° 48' 12.3422 W	
Hatch										
5,734.53	37.32	179.70	5,713.00	-97.75	0.52	378,150.675	1,043,902.329	37° 39' 31.650 N	108° 48' 12.3346 W	
Ismay										
5,800.00	45.18	179.70	5,762.19	-140.88	0.74	378,107.542	1,043,902.556	37° 39' 31.224 N	108° 48' 12.3128 W	
5,804.01	45.66	179.70	5,765.00	-143.74	0.76	378,104.689	1,043,902.571	37° 39' 31.196 N	108° 48' 12.3114 W	
Hovenweep										
5,823.00	47.94	179.70	5,778.00	-157.58	0.83	378,090.848	1,043,902.645	37° 39' 31.059 N	108° 48' 12.3044 W	
Lower Ismay										
5,900.00	57.18	179.70	5,824.77	-218.65	1.16	378,029.779	1,043,902.967	37° 39' 30.456 N	108° 48' 12.2735 W	
5,911.72	58.58	179.70	5,831.00	-228.57	1.21	378,019.850	1,043,903.020	37° 39' 30.358 N	108° 48' 12.2685 W	
Gothic										
6,000.00	69.18	179.70	5,869.81	-307.72	1.63	377,940.704	1,043,903.438	37° 39' 29.576 N	108° 48' 12.2285 W	
6,100.00	81.18	179.70	5,895.35	-404.21	2.14	377,844.210	1,043,903.947	37° 39' 28.623 N	108° 48' 12.1797 W	
6,173.54	90.00	179.70	5,901.00	-477.46	2.52	377,770.966	1,043,904.334	37° 39' 27.899 N	108° 48' 12.1427 W	
6,200.00	90.00	179.70	5,901.00	-503.92	2.66	377,744.502	1,043,904.474	37° 39' 27.638 N	108° 48' 12.1293 W	
6,300.00	90.00	179.70	5,901.00	-603.92	3.19	377,644.504	1,043,905.002	37° 39' 26.650 N	108° 48' 12.0788 W	
6,400.00	90.00	179.70	5,901.00	-703.92	3.72	377,544.505	1,043,905.531	37° 39' 25.662 N	108° 48' 12.0283 W	
6,500.00	90.00	179.70	5,901.00	-803.92	4.25	377,444.507	1,043,906.059	37° 39' 24.674 N	108° 48' 11.9777 W	
6,600.00	90.00	179.70	5,901.00	-903.92	4.78	377,344.509	1,043,906.587	37° 39' 23.686 N	108° 48' 11.9272 W	
6,700.00	90.00	179.70	5,901.00	-1,003.92	5.30	377,244.510	1,043,907.115	37° 39' 22.698 N	108° 48' 11.8767 W	
6,800.00	90.00	179.70	5,901.00	-1,103.91	5.83	377,144.512	1,043,907.644	37° 39' 21.710 N	108° 48' 11.8262 W	
6,900.00	90.00	179.70	5,901.00	-1,203.91	6.36	377,044.513	1,043,908.172	37° 39' 20.722 N	108° 48' 11.7756 W	
7,000.00	90.00	179.70	5,901.00	-1,303.91	6.89	376,944.515	1,043,908.700	37° 39' 19.735 N	108° 48' 11.7251 W	
7,100.00	90.00	179.70	5,901.00	-1,403.91	7.42	376,844.517	1,043,909.228	37° 39' 18.747 N	108° 48' 11.6746 W	
7,200.00	90.00	179.70	5,901.00	-1,503.91	7.94	376,744.518	1,043,909.757	37° 39' 17.759 N	108° 48' 11.6240 W	
7,300.00	90.00	179.70	5,901.00	-1,603.91	8.47	376,644.520	1,043,910.285	37° 39' 16.771 N	108° 48' 11.5735 W	
7,400.00	90.00	179.70	5,901.00	-1,703.91	9.00	376,544.521	1,043,910.813	37° 39' 15.783 N	108° 48' 11.5230 W	
7,500.00	90.00	179.70	5,901.00	-1,803.90	9.53	376,444.523	1,043,911.341	37° 39' 14.795 N	108° 48' 11.4725 W	
7,600.00	90.00	179.70	5,901.00	-1,903.90	10.06	376,344.525	1,043,911.870	37° 39' 13.807 N	108° 48' 11.4219 W	
7,700.00	90.00	179.70	5,901.00	-2,003.90	10.59	376,244.526	1,043,912.398	37° 39' 12.819 N	108° 48' 11.3714 W	
7,800.00	90.00	179.70	5,901.00	-2,103.90	11.11	376,144.528	1,043,912.926	37° 39' 11.831 N	108° 48' 11.3209 W	
7,900.00	90.00	179.70	5,901.00	-2,203.90	11.64	376,044.529	1,043,913.454	37° 39' 10.844 N	108° 48' 11.2703 W	
8,000.00	90.00	179.70	5,901.00	-2,303.90	12.17	375,944.531	1,043,913.983	37° 39' 9.856 N	108° 48' 11.2198 W	
8,100.00	90.00	179.70	5,901.00	-2,403.90	12.70	375,844.533	1,043,914.511	37° 39' 8.868 N	108° 48' 11.1693 W	
8,200.00	90.00	179.70	5,901.00	-2,503.90	13.23	375,744.534	1,043,915.039	37° 39' 7.880 N	108° 48' 11.1188 W	
8,300.00	90.00	179.70	5,901.00	-2,603.89	13.76	375,644.536	1,043,915.567	37° 39' 6.892 N	108° 48' 11.0682 W	
8,400.00	90.00	179.70	5,901.00	-2,703.89	14.28	375,544.537	1,043,916.096	37° 39' 5.904 N	108° 48' 11.0177 W	
8,500.00	90.00	179.70	5,901.00	-2,803.89	14.81	375,444.539	1,043,916.624	37° 39' 4.916 N	108° 48' 10.9672 W	
8,600.00	90.00	179.70	5,901.00	-2,903.89	15.34	375,344.540	1,043,917.152	37° 39' 3.928 N	108° 48' 10.9167 W	
8,700.00	90.00	179.70	5,901.00	-3,003.89	15.87	375,244.542	1,043,917.680	37° 39' 2.941 N	108° 48' 10.8661 W	
8,800.00	90.00	179.70	5,901.00	-3,103.89	16.40	375,144.544	1,043,918.209	37° 39' 1.953 N	108° 48' 10.8156 W	

**BBC**  
Planning Report - Geographic

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Daves 3S-11-39-18
<b>Company:</b>	PILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 6701.10ft (Original Well Elev)
<b>Project:</b>	MONTESUMMIT COUNTY, COLORED	<b>MD Reference:</b>	WELL @ 6701.10ft (Original Well Elev)
<b>Site:</b>	SECTION 11 T39N R18W	<b>North Reference:</b>	Grid
<b>Well:</b>	Daves 3S-11-39-18	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Daves 3S-11-39-18		
<b>Design:</b>	Daves 3S_BBC_DRS_5-13-10		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude	
8,900.00	90.00	179.70	5,901.00	-3,203.89	16.92	375,044.545	1,043,918.737	37° 39' 0.965 N	108° 48' 10.7651 W	
9,000.00	90.00	179.70	5,901.00	-3,303.88	17.45	374,944.547	1,043,919.265	37° 38' 59.977 N	108° 48' 10.7146 W	
9,100.00	90.00	179.70	5,901.00	-3,403.88	17.98	374,844.548	1,043,919.793	37° 38' 58.989 N	108° 48' 10.6641 W	
9,200.00	90.00	179.70	5,901.00	-3,503.88	18.51	374,744.550	1,043,920.322	37° 38' 58.001 N	108° 48' 10.6135 W	
9,300.00	90.00	179.70	5,901.00	-3,603.88	19.04	374,644.552	1,043,920.850	37° 38' 57.013 N	108° 48' 10.5630 W	
9,400.00	90.00	179.70	5,901.00	-3,703.88	19.57	374,544.553	1,043,921.378	37° 38' 56.025 N	108° 48' 10.5125 W	
9,500.00	90.00	179.70	5,901.00	-3,803.88	20.09	374,444.555	1,043,921.906	37° 38' 55.037 N	108° 48' 10.4620 W	
9,600.00	90.00	179.70	5,901.00	-3,903.88	20.62	374,344.556	1,043,922.435	37° 38' 54.050 N	108° 48' 10.4115 W	
9,700.00	90.00	179.70	5,901.00	-4,003.87	21.15	374,244.558	1,043,922.963	37° 38' 53.062 N	108° 48' 10.3609 W	
9,800.00	90.00	179.70	5,901.00	-4,103.87	21.68	374,144.560	1,043,923.491	37° 38' 52.074 N	108° 48' 10.3104 W	
9,828.00	90.00	179.70	5,901.00	-4,131.87	21.83	374,116.560	1,043,923.639	37° 38' 51.797 N	108° 48' 10.2963 W	
4.5										
9,828.53	90.00	179.70	5,901.00	-4,132.40	21.83	374,116.030	1,043,923.642	37° 38' 51.792 N	108° 48' 10.2960 W	
PBHL Daves 3S-11-39-18										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (")	Hole Diameter (")
2,000.00	2,000.00	9 5/8"		9-5/8	12-1/4
9,828.00	5,901.00	4.5		4-1/2	6-1/8

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,111.00	1,111.00	Entrada		0.00		
1,570.00	1,570.00	Chinle		0.00		
4,060.00	4,060.00	Hermosa		0.00		
5,708.64	5,692.00	Hatch		0.00		
5,734.53	5,713.00	Ismay		0.00		
5,804.01	5,765.00	Hovenweep		0.00		
5,823.00	5,778.00	Lower Ismay		0.00		
5,911.72	5,831.00	Gothic		0.00		
	5,966.00	Desert Creek		0.00		