



**DAILY PPFPG REPORT**  
Mississippi Canyon Block 252 #1 ST00 BP00  
OCS-G-32306  
API-60-817-4116900  
Macondo Exploration Well



**WELL INFORMATION**

Rig : Horizon	RT – MSL : 75 ft	Water Depth : 4992 ft	RT – Mudline : 5067 ft
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**OPERATIONS SUMMARY**

Circulated high gas and raised MW to 11.4 surf. Drilled. Lost returns.

MD	TVD	Progress (24 hr)	Hole size	Current formation
12350'	12349'	463'	16x20"	Calcareous Shale/Siltstone
Sensor Distances		Sonic: NA	PWD: 34.71'	GR: 35.38' Res: 44.55'

**PORE PRESSURE SUMMARY**

Max PP: Open hole (11090 ft MD) 11.6 ppg	PP Bottom hole 11.6 ppg	Last LOT: 8969 ft TVD 11.78 ppg (surf) 11.71 ppg (dh)
Surf MW: 11.4 ppg	ECD: 11.73 ppg	ESD min/ ESD max: (9867 MD) 11.58/11.68 ppg

**Resistivity Analysis:** Resistivity continued in the 0.8 range throughout the section of high gas, not verifying the pressure increase. Resistivity PP is 11.0-11.1 ppg. One possibility is that the sands and shales are not in equilibrium which would require stratigraphic pressure connectivity of 500 ft to 1000 ft TVD. An alternative possibility is that the resistivity response is being masked by hydrocarbons throughout the shales masking the pressure response.

**Sonic Analysis:** NA

**Additional Observations:** High gas (Max of 2970 u) occurred corresponding to 12030 ft MD. Mud weight was cut from 11.1 to 10.6 ppg surface. Incrementally increased MW to 11.4 until gas returned to background levels of 150-200 units. Then proceeded to drill ahead to 12350 ft MD where losses were observed. The ECD was 11.73 when the losses occurred and the interpretation is that they are occurring at the shoe. Resistivity response did not reflect the high pore pressure interpreted from the gas that did not decrease during circulation. Predrill reflected an estimated pore pressure of 11.6. Current pore pressure estimate 11.5-11.6 ppg based on the downhole mudweight required to knock out the gas. No cavings noted in the high gas zone, but the cuttings were shorter than previously observed throughout the hole section.

Pressure Analyst: Paine

Date: Feb 18, 2009

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Macondo Daily Pore Pressure Report



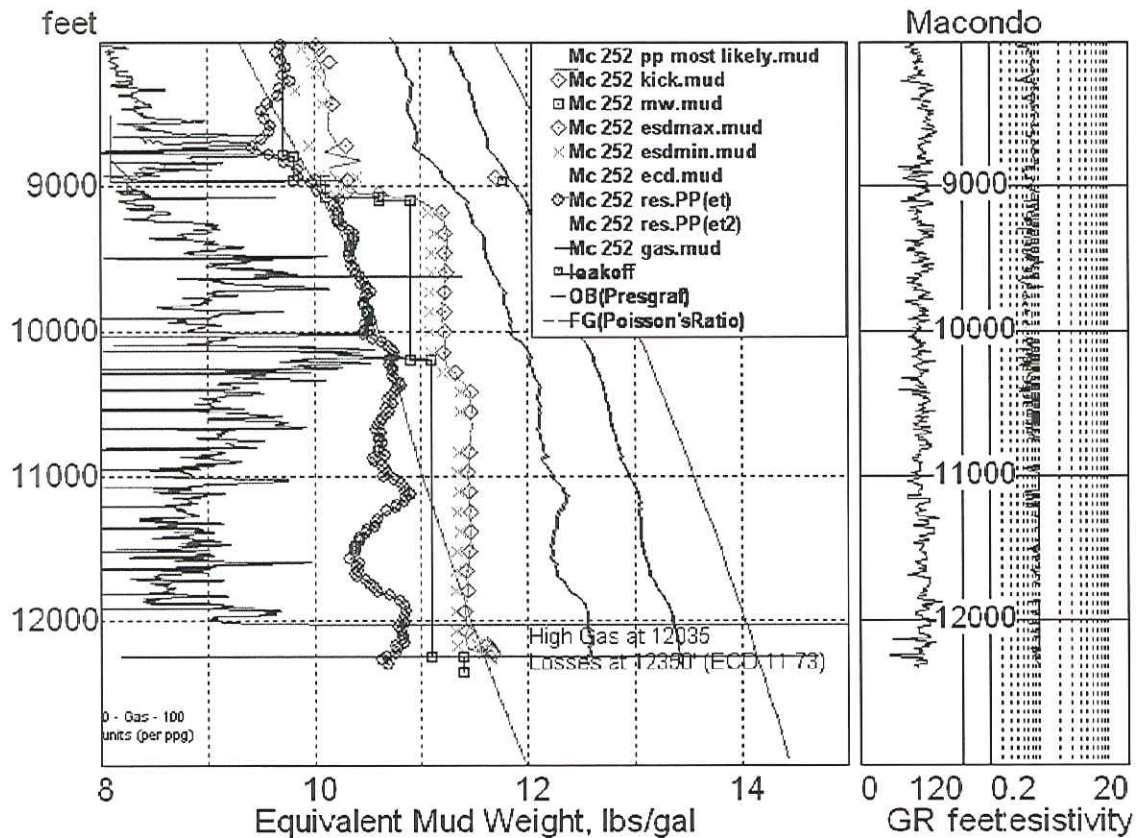


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## DAILY PRESSURE PLOT:





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**Cuttings/Cavings Analysis:**

Sample gathered after the onset of the high gas. No pressured cavings noted. Cuttings smaller than previously observed throughout the hole section.

**Cuttings/Cavings Photograph :**



