



**DAILY PPF<sub>G</sub> REPORT**  
**Mississippi Canyon Block 252 #1 ST00 BP01**  
OCS-G-32306  
API-60-817-4116901  
**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**

Drilled.

MD	TVD	Progress (24 hr)	Hole size	Current formation	
17761	17750	588	8 1/2" X 9 7/8"	Calcareous Shale/Siltstone	
Sensor Distances		FPWD: 85.07'	Sonic: 67.60'	PWD: 34.12'	GR: 34.76'
					Res: 42.89'

**PORE PRESSURE SUMMARY**

<b>Max PP:</b> <b>Open hole</b> <b>(17750 ft</b> <b>MD)</b>	14.4 ppg (14.1 shale)	<b>PP Bottom</b> <b>hole</b>	14.4 ppg	<b>Last FIT:</b> <b>17,157 ft</b> <b>TVD</b>	15.98 ppg (surf) 16.22 ppg (dh)
<b>Surf MW:</b>	14.3 ppg	<b>ECD:</b>	15.08 ppg	<b>ESD min/</b> <b>ESD max:</b> <b>(17522MD)</b>	14.65/14.97 ppg

**Resistivity Analysis:** Resistivity ranged from 0.97 to 0.55 ohmm. Increased pore pressure estimate to 14.1 ppg (shale) based on resistivity approaching 0.6 ohmm at 17300 TVD.

**Sonic Analysis:** Sonic was erratic throughout the hole section and will be adjusted in batches in town. From the patterns available when cutting out values less than 94 us and greater than 135 us it appears an increasing pore pressure trend exists.

**Additional Observations:** FIT did not show signs of breakover. 16.22 ppg dh exceeded the OBG and is not useful for determining rock properties. Suspect there is localized additional horizontal pressure causing the high FIT/LOT responses observed in this well.

When a sand at 17720 was crossed, drilling slowed down and losses were noted. Sand FG at that depth calculated to approximately 15.2 ppg. Flow check at connection indicated ballooning. Shut in to monitor pressures to verify ballooning is occurring rather than an influx. A sand FG of 15.0 corresponds to a PP of 13.9-14.0 ppg assuming a PR of 0.35.

Returns appeared to be normal cuttings. Background gas increased from 10 units to 50 but was most often around 30 units once cuttings load evened out. No cavings noted. No connection gas noted.

**Pressure Analyst:** Paine

**Date:** Apr. 3, 2010





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DAILY PRESSURE PLOT:

