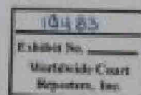


From: William Burch  
Sent: Thursday, April 22, 2010 12:13 AM  
To: Christopher J. Murphy; Roland Gomez; C Scott Jortner; David W Moody; Kerry L. Girlinghouse; Dicky J. Robichaux  
Cc: Engineering; Joe Dean Thompson; Freddy L. Gebhardt; Pat Campbell  
Subject: 042110 - Notes from BP Reservoir/Geology Group (WWCI 2010-116)

Here's the synopsis of the meeting today with Earth-Mix and Reservoir/Geology Group:

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- 17,802-17,808: MDT pore pressure was 12,308 psi (13.63 ppg (NW))
- Indicates a pressure regression from top shoe to TD.
- PI = 10000/4psi and possibly 50-100/4psi (but the first number is the one there is more talk in and what is used for modeling purposes.)
- CCR = 3000 cc/psi, 3 MDT sample tests showed 3000, 3000, and 3000 cc/psi.
- API grade is reported as 35 deg which seems low for such high GORs.
- TC log shows extremely high resistivity at the sand packages - is fact off scale (>2000 ohm-in) at the bottom sand zone.
- \*\*\*\*18,226-18,240: A MASSIVE LOSS OF WEIGHT WAS REPORTED IMMEDIATELY UPON THE BASE OF THE SAND\*\*\*\* It is believed to be some brittle base rock and obviously they pumped the Hell out of LCM to heal it up; MDT checked on several of the pressure tests as the mud cake was so full of LCM. Resistor/density curves are offscale indicating granitic, piping hole fracture.
- 18,232-18,248 ft - sand package on bottom - considered minor and not analyzed being so close to TD at 18,800 ft.



WW-MDL-00061918

WWCI 2-1-0077

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