



RE: After the conversation with Pat

Marcia K McNutt o pedro.espina

06/10/2010 11:51 AM

Cc: bill.lehr

---

Pedro -

The GOR at the surface is 2100 cu feet of gas per barrel of oil. Through various choke settings, the relationship is fairly steady. That would need to be recompressed to the seafloor for both gas and oil to get a new oil to gas ratio. I think when I calculated it before I compressed the gas but not the oil. Can you let me know what you get when you do the calculation?

Marcia

**From:** Espina, Pedro I. <pedro.espina@nist.gov> [mailto:Espina, Pedro I. <pedro.espina@nist.gov>]  
**Sent:** Thursday, June 10, 2010 11:16 AM  
**To:** Marcia McNutt <mcnutt@usgs.gov>  
**Cc:** Bill Lehr <bill.lehr@noaa.gov>; "Possolo, Antonio" <antonio.possolo@nist.gov>  
**Subject:** After the conversation with Pat  
**Importance:** High

Dear Marcia,

Pat said that you had a better estimate on the oil/gas ratio based on the production aboard the enterprise after the installation of the LMRP. Can you give me that new number?

Thanks, Pedro

Pedro I. Espina, Ph.D.  
Program Analyst  
Program Office, Office of the Director  
Tel: +1 301 975 5444