



MISTAKE: new gas/oil ratio

Espina, Pedro I. o Marcia McNutt

06/10/2010 02:53 PM

Cc: Bill Lehr, "Possolo, Antonio"

History: This message has been replied to.

I typed too fast. See below in red

On 6/10/10 2:38 PM, "Espina, Pedro I." <pedro.espina@nist.gov> wrote:

Dear Marcia,

- 2100 ft³/bbl corresponds to a volume fraction, $V_{oil}/V_{total} = 0.37$ at a deep of 5000 ft of sea water and a temperature of 1 C.
- The old number for the 3000 ft³/bbl was $V_{oil}/V_{total} = 0.29$.
- You might like to share this number with the team.

Pedro

On 6/10/10 11:51 AM, "Marcia McNutt" <mcnutt@usgs.gov> wrote:

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

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