

HLWYM HEmails

From: Randall Fedors
Sent: Friday, October 27, 2006 2:21 PM
To: Jack Guttman
Subject: Re: Well 24PB Hifh FLOW Rate

Jack,

Sorry for the slow response. I've been responding to comments all morning on a center report that needs to be shipped early next week. One of the pitfalls of being a co-author on reports is that they still ask me to help respond to internal center comments from their review process.

The short answer is that the flux values were reasonably close to values estimated for a nearby fault zone in the SZ flow model, at least, based on what we could determine from the details provided during a DOE telecon. Thus, it appears that the sampled gradients (related to flux) in the TSPA encompass the measure point value.

The comparison is not straightforward. The center staff post-processed results from their saturated zone model flow field to estimate the type of flux numbers reported by DOE at Well 24PB. Field values of flux from the boreholes tests are a different kind of flux compared to the flux readily obtained from the SZ model. In fact, one of the early questions to DOE during the NRC/DOE telecon was to clarify what kind of flux the values represented.

DOE will be putting a white paper on the topic in the LSO shortly; then we will be able to get a better handle on the details and DOE's explanation.

One question remains, does DOE need more faults explicitly incorporated into the SZ flow model (and NRC models)? There are only 5 faults in the entire model. This topic was discussed as possible future for the SZ1 ISI.

--Randy

>>> Jack Guttman 10/27/06 9:35 AM >>>

Randy,

Your summary of the Center's performance stated that the SZ1 staff assessed the potential implication of the findings in a timely manner and conveyed the results to assist NRC management in their discussions with DOE.

What did we learn about the high flow rate in well 24PB?

Jack G.

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Sent Date: 10/27/2006 2:21:01 PM
Received Date: 10/27/2006 2:21:01 PM
From: Randall Fedors

Created By: Randall.Fedors@nrc.gov

Recipients:
"Jack Guttman" <Jack.Guttman@nrc.gov>
Tracking Status: None

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MESSAGE	1815	10/27/2006 2:21:01 PM

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
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