

Jones, William V., EMNRD

From: Kay Havenor [khavenor@georesources.com]
Sent: Sunday, August 14, 2011 5:08 PM
To: Jones, William V., EMNRD
Subject: Mesquite SWD-1264
Attachments: Ammendment C-108 request 8-13-2011.pdf

Mr. Jones,

Attached is a letter officially requesting a modification of SWD-1264's lower injection depth to 7064' due to circumstances we have verbally discussed. A copy of the CBL will be forwarded as soon as I receive them. Thank you for your assistance and consideration.

Kay Havenor

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August 13, 2011

Mr. William V. Jones
NM OCD Engineering Bureau
1220 So. St Francis Drive
Santa Fe, NM 87505

Re: Modification Request SWD-1264

Dear Mr. Jones:

As follow-up to our telephone/emails 8/12/2011 relative to Mesquite SWD's re-entry for disposal into the Paduca Federal #1, API 30-025-27616, Unit H, Sec. 22, T25S-R32E, Lea County, please accept this letter on-behalf of Mesquite SWD, Inc as a formal request to extend the permitted disposal zone in the Cherry Canyon portion of the disposal interval to 7,064'.

The perforation interval authorized by SWD-1264 is 4,722' to 6,964'. At the time of issuance all reports on the well indicated the 9-5/8" casing across the permitted zone was cemented. Upon re-entry and satisfying BLM requirements for re-plugging deeper horizons it was discovered that good cement bonding for the lower interval of 9-5/8" was poor or absent from 7,590' to the lowest authorized perforation at 6,964'.

A suicide squeeze from 7,530' w/200 sxs brought cement up to 7,380'. A second squeeze from 7,330' w/300 sxs bonded well across the top of Brushy Canyon (7,100') and up to 7,064' (CBL). In order to best comply with Devon Energy's Brushy Canyon requirements a CIBP was set inside the 9-5/8" at 7,130' + 25 sx Class-H cement, tagged at 7,067' after 4 hours WOC.

Mesquite's request for disposal permission to 7,064' is based upon the fact that with or without perforations below the original authorized depth of 6,964' water will readily move into the formation down to the top of the highest point (7,064') where cementing now shuts-off communication in the 9-5/8" annulus. As cement could not be brought above 7,064' and the Neutron-Density log shows porosity, if a temperature log were later run to determine water injection it is reasonable to expect Mesquite would be in technical violation. Based upon the above information the extended 100' of injection authorization is respectfully requested.

Thank you for your assistance and consideration.

Respectfully submitted,

A handwritten signature in cursive script that reads "Kay Havenor".

Kay Havenor
Agent for Mesquite SWD, Inc.