

TA35 = (TA36)

Subject: DOE Weekly Drilling Update - 9/26

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From: "Whitacre, Thomas" <twhitacre@doeal.gov>

To: "Carolyn Cooper" <carolyn_cooper@nmenv.state.nm.us>

Carolyn,

Here's the weekly drilling summary. See you this afternoon.

R-14: Well development activities started up again this week. Dynatec used the muratic acid treatment (AQUA-CLEAR MGA from Baroid) to removed the LCM (lost circulation material) from the formation. The acid treatment began yesterday and involved pumping the acid into the well and working it into the formation via a surge block. The acid will be pumped back out of the well later today. The mud dispersant treatment is planned for later this week.

R-16: Dynatec completed the initial well development activities including simultaneous jetting and pumping late last week. Most of the Dynatec equipment has been demob from the site and the well secured. The acid and dispersant well treatment regiment will begin after the R-14 treatment is completed.

R-20: Stewart Brothers completed the initial well development activities including bailing and surging. Stewart Brothers has been demob from the site and the well secured. The acid and dispersant well treatment regiment will begin after the R-16 treatment is completed.

R-23: Dynatec T.D.'d the borehole last week at approximately 926 feet. There are continuing problems with borehole stability below the water table (about 825 feet). The contact between the overlying basalt and the Santa Fe formation (unconsolidated cobbles, sands, clays and gravels) was encountered near the water table. The sands, gravels and cobbles from the Santa Fe are caving and collapsing the borehole below the water table. An attempt was made earlier this week to wash down the well casing with a tremmie line and water but was not successful due to the presence of several large cobbles in the borehole. The well casing was removed last night and a casing advance string will be inserted today and advanced to a depth of approximately 830 feet in hopes of stabilizing the borehole, allowing for installation of the well casing. A single screen completion across the water table is planned for this well.

R-32: Dynatec continued well development activities using the muratic acid and mud dispersant treatment. The well treatment program appears to have been successful. The pumping rates have increased since the treatment along with a corresponding decrease in turbidity levels. A submersible pump will be installed in the well early next week to remove additional volume of water from the well and to complete development of the well.

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