

Kelcey Nichols

From: Swazo, Sonny, EMNRD [Sonny.Swazo@state.nm.us]
Sent: Tuesday, August 19, 2008 1:46 PM
To: Tom Hnasko; Kelcey Nichols
Cc: Jones, William V., EMNRD
Subject: Case No. 14136 and 14178 / Mesquite SWD, Inc. OGRID 161968 / Exxon State No. 008 (30-015-22055)

Tom, Kelcey:

Additional items which would help evaluate this application:

- **DETAILS of NOTICE:** A Landman constructed ½ mile circle map of the area of review showing all leases or separately owned tracts (within the Yates formation 570 to 694 feet). The map should reference affected parties being noticed. Please provide notice to BEPCO LP and to Ray Westall. Provide proof of notice to the surface owner and mineral rights lessee of the Yates formation - if not Mesquite.
- **INJECTION WATERS:** A list of all "waters" (Pool Names) that will be injected (or are being injected) into this commercial disposal well and a recent water analysis from each Pool on that list.
- **LOCATION from REEF:** A north-south cross section showing the location of the wellbore and also showing the top of the Seven Rivers/Capitan Reef below the bottom of the wellbore and grading to the south, and vertical and horizontal scales on the drawing so it can be seen how far away the Reef is laterally from the bottom of this well and how far it is vertically below the bottom of this well.
- **ISOLATION FROM REEF:** A report from an engineer, hydrologist, or geologist addressing any hydraulic communication, direct or indirect, that may exist between the Yates formation and the Capitan Reef. The report should discuss the permeability in the Yates formation below 694 feet and what barriers would stop the injection fluid from traveling vertically or horizontally and entering the Reef.
- **AREA OF INFLUENCE:** An areal calculation (showing distances extending from the wellbore) of the waters that have been injected to-date since 1977.
- **AOR WELL CONSTRUCTION:** For each well within the ½ mile of the area of review, the total depth, hole sizes, casing depths, cement volumes and tops for each of the wells.
- **P&A DIAGRAMS:** A wellbore diagram of all plugged wells in the 1/2 mile area of review. The diagram should show whether the injection fluid will be isolated to the permitted injection interval (Yates formation from equivalent depths of 570 to 694 feet).

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been

scanned by the Sybari - Antigen Email System.



Diagram of water flow down-hole and into the disposal zone past the logging sonde

