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To: [Patterson, Heather, EMNRD](#)
Cc: [Nolan, Shiver](#); [Ferguson, Dina](#)
Subject: Lost Tank Compressor Station Below-Grade Tank Registration
Date: Wednesday, June 15, 2016 2:28:21 PM
Attachments: C2505-2506-2507 well logs.pdf
plate-5 - project gnome-edited.pdf

Ms. Patterson,

This email is submitted to provide a response to your email dated May 25, 2016. The email requested additional information for wells in the area of the Lost Tank Compressor Station below grade tank.

The two sources of well information are the 1962 report entitled, "Ground-water Investigations of the Project Gnome Area, Eddy and Lea Counties, New Mexico" and the New Mexico State Engineer's Water Rights Reporting System (NMWRRS). The 1962 report included a map with located water wells. That map is attached. The Lost Tank and WIPP facilities have been noted on the map.

Based on the 1962 report, the closest well to the Lost Tank facility is approximately two (2) miles west-southwest of the facility. The well is reported to have a depth to water of 150 feet below ground surface. No other information is known about this well. The 1962 report does identify wells with shallow (<50 feet) groundwater, but those wells are considerably farther away from the Lost Tank facility and thus not likely representative of subsurface conditions found at Lost Tank.

The closest shallow (<100 feet) wells identified by the NMWRRS report are three wells located at the WIPP facility. The wells are labeled C-2505, C-2506, and C2507 and are approximately 3.8 miles southwest of Lost Tank. The well logs from the three wells are attached. Based on a 2014 Annual Report for the WIPP facility, the depth to water in these three wells range from 46 to 49 feet below surface. The existence of shallow groundwater at the WIPP facility cannot be interpreted as shallow groundwater also exists at the Lost Tank facility. The NMWRRS report did identify other wells closer to the Lost Tank facility, but they are greater than 750 feet in depth.

Based on the available data, there is no information to indicate depth to groundwater is less than twenty five feet in the vicinity of the Lost Tank Compressor Station.

Please contact me if you have additional questions or comments.

Respectfully,

[Alena Miro](#)

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