

Memo



To: Ed Di Matteo, Colorado Oil & Gas Commission  
From: John Romero, Division of Water Resources  
Subject: State A-1 injection well, NE/4, NE/4 Section 29, T.  
7 north, R. 53 West, Logan County.

The subject well is located about one-half mile north of the South Platte River floodplain. Known or suspected aquifers in the area are all surficial deposits and sandstone-siltstone beds in the underlying Pierre Sandy Zone.

As you know all of the areas surficial deposits yield small to large quantities of water to domestic, stock, and irrigation wells. The underlying Pierre Sandy Zone is known to yield water suitable for domestic and stock use in much of northeastern Colorado. The accompanying map shows three wells in the area ~~that~~ which are 200 to 250 feet in depth. Note that the log of State #A-1 shows that the Pierre Sandy Zone extends to a depth of about 500 feet. Also refer to my comments to you in my letter of May 16, 1989 (Martin Hart "G" 1 - Weld County). You should seriously consider denying the State A-1 application.

The 180 feet of cemented surface casing leaves approximately 350 feet of the Pierre Sandy Zone unprotected. There are no known or suspected



aquifers below the Pierre Sandy Zone in the subject area.

The accompanying map shows well locations in the subject area, the Pawnee Ditch, and the South Platte River.

If you have any questions ~~on the~~ give me a call.

cc: Dir 1 Irrigation Engineer