

RICHARD D. LAMM
Governor



JERIS A. DANIELSON
State Engineer

OFFICE OF THE STATE ENGINEER
DIVISION OF WATER RESOURCES

1313 Sherman Street-Room 818
Denver, Colorado 80203
(303) 866-3581

March 31, 1986

RECEIVED

MAR 31 1986

COLO. OIL & GAS CONS. COMM.



Mr. Ed DiMatteo
Colorado Oil and Gas Commission
1580 Logan Street, Suite 380
Denver, CO 80203

Dear Ed:

With respect to convert Huey #16 well in the SE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 29, Township 2 North, Range 56 West, Morgan County, Colorado to an injection, well we have the following comments.

Known and potential aquifers at the site include all surficial deposits and (possibly) sandstones and siltstones of the uppermost part of the underlying Pierre Formation.

Thickness of surficial deposits near the center of Section 29 is about 62 feet. Stock and irrigation wells in the area yield from about 10 to about 400 gpm. respectfully. The base of the areas surficial deposits is about 5,120 feet above the top of the proposed injection interval. There are no water wells completed in the underlying Pierre Formation. Absence of water wells in the Pierre does not lessen the possibility that aquifer strata are absent. Recall that sandstones and siltstones of the upper Pierre are frequently utilized for groundwater when there are no overlying sources.

Our records indicate there are two to three registered water wells within one-half mile of Huey #16 (refer to accompanying map and well printout). Runoff and groundwater movement in the area is toward the northeast. There are no streams in the area.

The log for Huey #16 reveals about 110 feet of cemented surface casing. This is sufficient to isolate the areas surficial deposits. Presence of aquifer strata below 110 feet is debatable therefore you should treat the application with due caution and scrutinize future injection records (should you approve the application).

If you have any questions please contact me.

JCR:aes

Enclosures

Sincerely

John C. Romero
Supervising Water Resource Engineer