

RICHARD D. LAMM  
Governor



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C. J. KUIPER  
State Engineer

## DIVISION OF WATER RESOURCES

Department of Natural Resources  
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July 5, 1978

### MEMORANDUM

TO: Doug Rogers, Director, Oil and Gas Conservation Commission

FROM: C. J. Kuiper, State Engineer *B.E. DeBine for C.J.K.*

SUBJECT: Okmar Oil Company's proposed saline water disposal well --  
Huey No. 29 located in the SE $\frac{1}{4}$  of SE $\frac{1}{4}$  of Section 31,  
Township 2 North, Range 56 West, 6th Principal Meridian,  
Morgan County

Attached is John Romero's review and comments on the above-referenced salt water disposal proposal. I concur with John's observations that the known aquifers in the area of the well should be provided adequate protection by the operator's proposed disposal plan.

CJK/BED:ew

Encl.

MEMORANDUM

TO: Bruce E. DeBrine  
FROM: John C. Romero *JCR*  
DATE: June 29, 1978  
SUBJECT: Injection of produced water into the Dakota "D" sand in Huey #29 well in Section 31, Township 2 North, Range 56 West, Morgan County

Huey well #29 is equipped with 117 feet of 8 5/8 inch casing cemented to the surface. Approximately 70 feet of surficial deposits exist in the area therefore the surface casing extends about 47 feet into the Pierre Formation.

Anticipated injection pressures range between zero and 150 psi. Calculated fracture pressure of the Dakota "D" sand is 1450 psi.

It is our opinion that injection of water into Huey #29 will not adversely affect aquifers in the area. As usual, injection pressure records should be closely scrutinized.

JCR/ew