

OKMAR OIL COMPANY

2160 FIRST OF DENVER PLAZA
633 - 17TH STREET
DENVER, COLORADO 80202

RECEIVED

JUN 9 1978

COLO. OIL & GAS CONSERV. COMM.

(303) 892-6541



00048367

May 26, 1978

*Bruce
Comments to O&G.*

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JUN 27 '78

WATER RESOURCES
STATE ENGINEER
COLO.

Colorado Oil & Gas Conservation Commission
State Centennial Bldg., Room 721
1313 Sherman Street
Denver, Colorado 80203

Attn: Mr. Frank J. Piro
Deputy Director

Gentlemen:

In accordance with Commission Rule No. 329, Okmar Oil Company herein makes application for permission to dispose of the water produced from the Peterson and Burr Fields into Okmar's Huey #29 well. This permission is requested to provide another disposal well for this water in addition to the Huey #16 disposal well for which approval was obtained in 1971 to dispose of water produced in the Burr Field and a portion of the Peterson Field.

The following information is furnished as requested:

- (a) Attached is a plat showing the location of the Huey #29 and #16 wells, the location of all oil and gas wells, including abandoned wells and dry holes, and names of the owners of record including surface owners in the two fields. This plat also shows usage of the surface and location and depth of all domestic and irrigation wells within a two mile radius of the injection wells. A separate plat shows the water collection and injection system for this project.
- (b) Injection of water into Huey #29 will be through perforations in the Dakota "D" sand formation from 5237½' to 5242'.
- (c) Attached is a copy of the electrical log run in Huey #29, showing the existing perforations in the "D" sand interval.
- (d) The Huey #29 well has 4½", 9.5# J-55 casing, cemented at 5397' with 125 sacks. Top of cement behind casing is at 4820', according to a temperature log. A packer was run on 2-inch tubing and set at 5192'. The annulus has been loaded with treated water and pressure tested to 1000 psi with no leakage indicated. Production history of this well shows that no zones behind the casing, other than the "D" sand, were in communication with the perforations, therefore, no additional testing is anticipated prior to the commencement of water disposal. Huey #29 is the only oil well that has not yet been abandoned in the immediate area and it is uneconomic to produce. Last test of October 16, 1976 shows 2 BOPD 70 BWPD.

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COLORADO OIL & GAS COM. COMM.

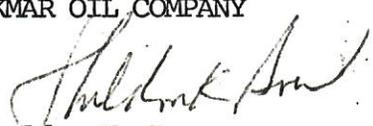
- (e) Water to be injected into Huey #29 is water produced out of the Dakota "D" sand formation from wells in the Peterson and Burr Fields. An analysis of the water to be injected is attached and since the water will be injected into the same zone from which it was produced several miles away, this analysis will suffice as the analysis of the water in the proposed injection zone also. No treatment of the injected water is anticipated.
- (f) The estimated minimum and maximum amount of water to be injected in Huey #29 is 600 and 1200 BWPD respectively. Huey #29 will be the primary disposal well for these two fields with Huey #16 used as a back-up to take the amount of produced water in excess of that injected into Huey #29. Maximum anticipated water production for the two fields is 1200 BWPD. Anticipated injection pressures are between zero and 150 psi. Calculated fracturing pressure of the Dakota "D" sand is 1450 psi at the surface.
- (g) The names and addresses of the owners of record within a one-half mile radius of Huey #29 to whom notice of this application has been sent by certified mail are shown on an attached sheet.
- (h) This application covers only the Huey #29 disposal well, since approval has already been received to dispose of water into Huey #16. The entire amount of water produced in both the Peterson and Burr Fields will be injected into the two disposal wells.
- (i) Okmar Oil Company, as the designated operator of this cooperative disposal project, executed this application and the other operator involved, Phillips Petroleum Company, has indicated their approval as shown below.
- (j) A copy of this letter, as Notice of this application, has been mailed to each party listed in paragraph (g). Certification of mailing is attached.

2" # packer
tested @
1000 psi

Okmar Oil Company respectfully requests that this application be approved in accordance with Rule #329 of the Commission Rules and Regulations.

Yours truly,

OKMAR OIL COMPANY


Sheldon K. Beren
Division Manager

JAA:lmn

THIS APPLICATION IS HEREBY APPROVED
PHILLIPS PETROLEUM COMPANY

Rocky Mtn. Operations Manager
Title: Northwestern Region

By: 

Date: 6-6-78