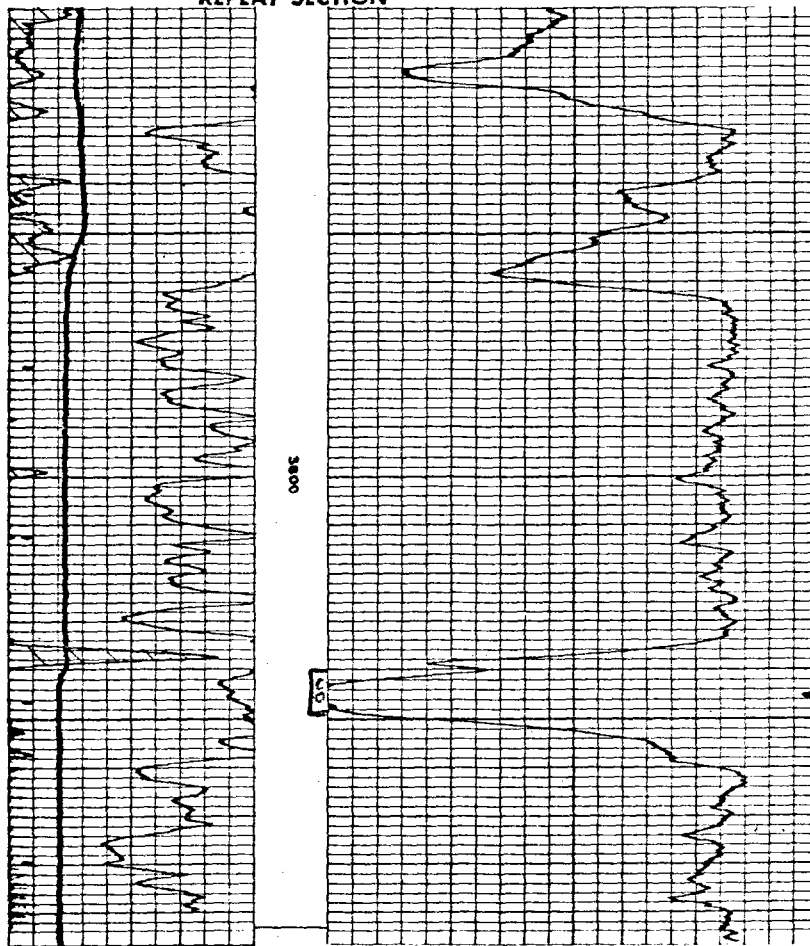


7 9 11 13 15 HOLE SIZE - INCHES 10 API/CO 0 API 100 API RADIATION INTENSITY INCREASES		2.32 2.30 2.42 2.40 2.53 2.50 2.64 2.73 2.80 2.90 DENSITY IN GM./CM. 60,000 CPM 2000 CPM/CO 20,000 CPM	
GAMMA RAY & CALIPER		DEPTH	DENSITY
Company CACTUS DRILLING COMPANY Drillers T.D. 3895' Well SHELL FEDERAL NO. 2 Lane-Wells F.R. 3893' Field WILDCAT (QUEEN) Lane-Wells T.D. 3895' County LEA Elevations: State NEW MEXICO K.B. 3691' D.F. 3690' G.L. 3678.8'			

REPEAT SECTION



EX 8

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 4618
Order No. R-4222

APPLICATION OF TENNECO OIL
COMPANY FOR A WATERFLOOD PROJECT,
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 10, 1971, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 16th day of November, 1971, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Tenneco Oil Company, seeks authority to institute a waterflood project in the Lusk (Seven Rivers) Unit Area, Lusk-Seven Rivers Pool, by the injection of water into the Seven Rivers formation through its Shell Federal Well No. 1 located in Unit F of Section 3, Township 19 South, Range 32 East, NMPM, Lea County, New Mexico.
- (3) That the applicant further seeks an administrative procedure whereby said project could be expanded to include additional injection wells in the area of the said project as may be necessary in order to complete an efficient injection pattern; that said administrative procedure should provide for administrative approval for conversion to water injection in exception to the well response requirements of Rule 701 E-5 of the Commission Rules and Regulations.

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(4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(5) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 should not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

IT IS THEREFORE ORDERED:

(1) That the applicant, Tenneco Oil Company, is hereby authorized to institute a waterflood project in the Lusk (Seven Rivers) Unit Area, Lusk-Seven Rivers Pool, by the injection of water into the Seven Rivers formation through its Shell Federal Well No. 2 located in Unit F of Section 3 of Township 19 South, Range 32 East, NMPM, Lea County, New Mexico.

(2) That the subject waterflood project is hereby designated the Tenneco Lusk Seven Rivers Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of the above-described waterflood project to include such additional injection wells in the area of said project as may be necessary to complete an efficient water injection pattern; that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

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CASE NO. 4618

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(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



Bruce King
BRUCE KING, Chairman

Alex J. Armijo
ALEX J. ARMIJO, Member

A. L. Porter, Jr.
A. L. PORTER, Jr., Member & Secretary

S E A L

dr/