



# CONTINENTAL OIL COMPANY

P. O. BOX 460  
HOBBS, NEW MEXICO

PRODUCTION DEPARTMENT  
HOBBS DISTRICT  
L. P. THOMPSON  
DISTRICT MANAGER  
G. C. JAMIESON  
ASSISTANT DISTRICT MANAGER

September 12, 1966

1001 NORTH TURNER  
TELEPHONE: EX 3-4141

(Registered Mail)

New Mexico Oil Conservation Commission (3)  
P. O. Box 2088  
Santa Fe, New Mexico

Attention of Mr. A. L. Porter, Jr.

Re: Application for Enlargement of  
Pearsall Waterflood Project

Gentlemen:

By order No. R-2673, Continental Oil Company was authorized to institute a waterflood project in cooperation with the Pearsall Queen Unit by injecting water into its Pearsall AX Well No. 2 located in Unit M, Section 33, T17S, R32E, Lea County, New Mexico.

The attached C-116 shows that a substantial response to waterflooding has been experienced in our Pearsall AX Well No. 1, located in Unit L, Section 33. In accordance with the provisions of Paragraph 2 of Order No. R-2673 and Rule 701 Continental Oil Company now requests administrative approval of the expansion of the said waterflood project by the addition of two injection wells, namely, Pearsall AX No. 4, located in Unit K, Section 33, and Pearsall A No. 1 (formerly No. 10) located in Unit E, Section 33.

The attached plat shows the location of the waterflood project and an area of two miles radius surrounding the project. The location and ownership of wells is indicated in the usual manner.

Attached hereto are schematic diagrams of the two proposed injection wells showing the manner of completion including the size and setting depth of casing and the cement program used.

NMOCC  
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Copies of this application are being furnished to each of the offset operators to the proposed injection wells and to the State Engineer's office.

In view of the facts stated above, it is respectfully requested that Continental Oil Company be given administrative approval for the expansion of the Pearsall Waterflood project as described above.

Yours very truly,



LPT-JS

cc: State Engineer (Registered)  
State Capitol Building  
Santa Fe, New Mexico

Kersey and Company (Registered)  
P. O. Box 819  
Artesia, New Mexico

Anadarko Production Company (Registered)  
P. O. Box 9317  
Fort Worth, Texas 76107

RGP GW JWK

Attach

NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS

C-116  
Revised 1-1-65

Operator		County		Lea										
Continental Oil Company		Pearsall Queen		Lea										
Address		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input type="checkbox"/>										
Box 460 - Hobbs, New Mexico		SCHEDULED												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.	
		U	S	T						R	WATER BBL.	GRAV. OIL		OIL BBL.
Pearsall "AX"	1	L	33	17	32	8-28-64P	Open		24	0	37.4	3	2	666
	1	L	33	17	32	6-17-65P	Open		24	0	37.4	6	TSTM	-
	1	L	33	17	32	11-3-65P	Open		24	0	37.4	11	TSTM	-
SATISFACTORY INJECTION RATES WERE COMMENCED IN MAY, 1965														

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

No well will be assigned an allowable greater than the amount of oil produced on the official test.  
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

*R. L. Zeeb*  
(Signature)

Supervising Engineer

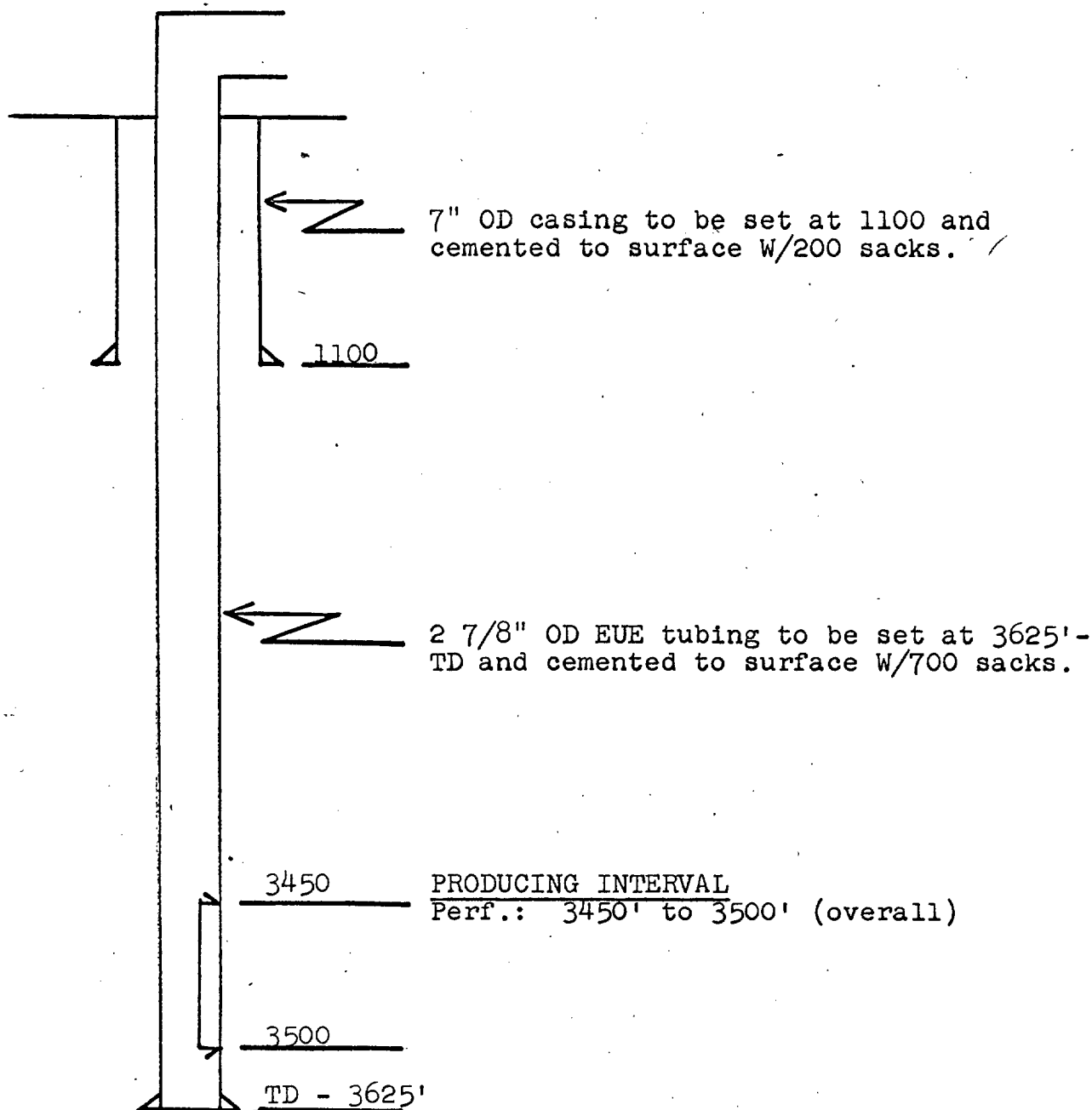
(Title)

August 31, 1966

(Date)

### WATER INJECTION WELL DATA

Pearsall "AX: No. 4 (To be Drilled)  
1980' FSL & 1980' FWL Sec.33-17S-32E  
Elev. - 3915' Ground (Est.)

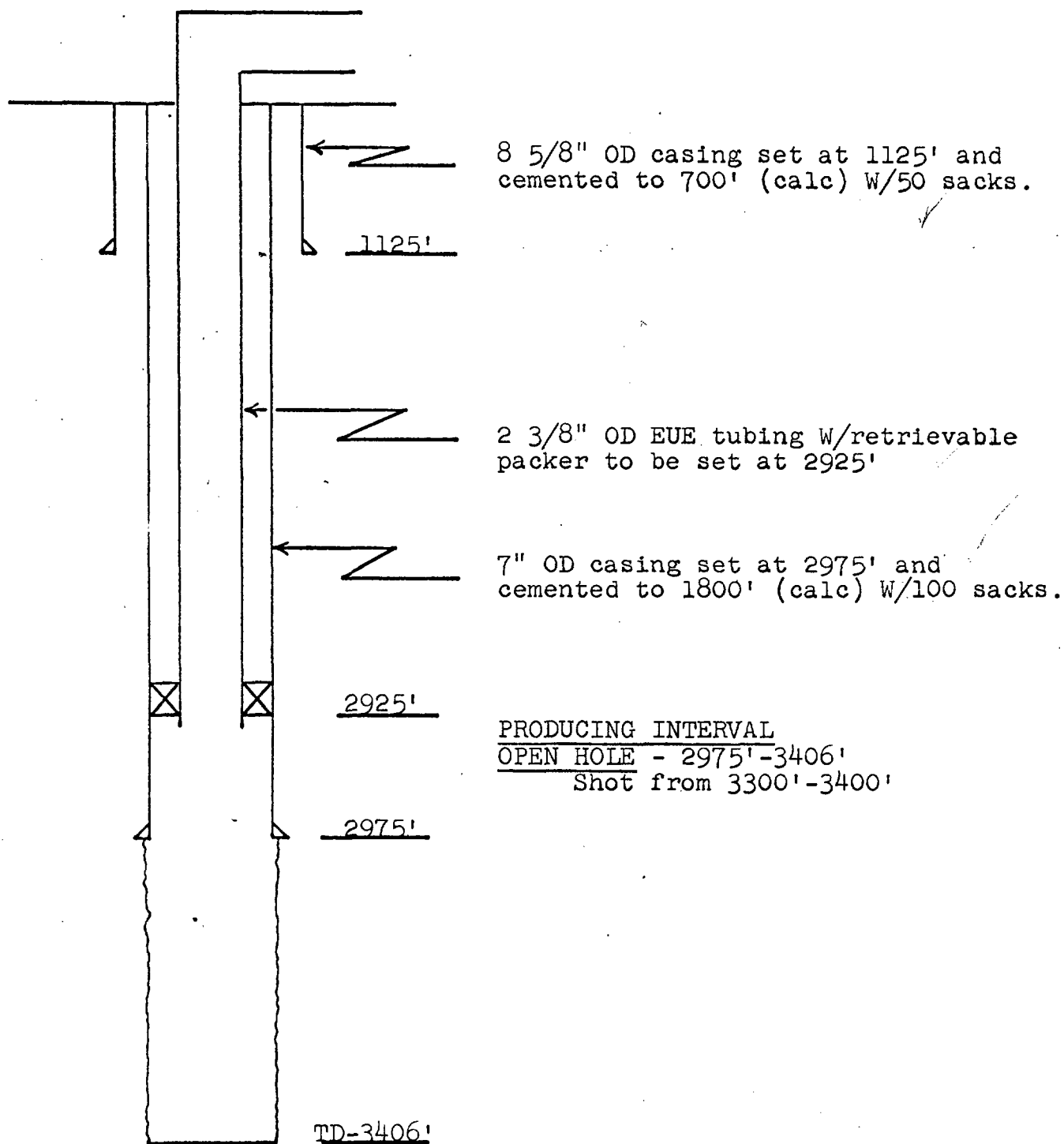


### PROPOSED PROCEDURE

1. Drill to TD. Run open hole logs.
2. Set 2 7/8" OD EUE tubing as production string & Cement to surface.
3. Perforate selected intervals & stimulate if necessary.
4. Connect up well for injection down production string.

### WATER INJECTION WELL DATA

Pearsall "A" No. 1 (Formerly "A" No. 10)  
1980' FNL & 660' FWL Sec-33-17S-32E  
Elev. - 3915' Ground



### PROPOSED PROCEDURE

1. Tag bottom & tally out.
2. Cleanout to TD - Run open hole log.
3. Run tubing with packer to be set at approximately 2925'.
4. Connect up well for injection down tubing.

1072-239



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

October 11, 1966

ADDRESS CORRESPONDENCE TO:  
STATE CAPITOL  
SANTA FE, NEW MEXICO 87501

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Continental Oil Company dated September 12, 1966 which seeks administrative approval to enlarge their Pearsall Waterflood Project by adding two injection wells, namely, Pearsall AX #4 located in Unit K, Sec. 33 and Pearsall A #1 located in Unit E of Sec. 33, both in T. 17 S., R. 32 E.

This office offers no objection to the granting of this application, provided the wells are completed in the manner shown by the diagrammatic sketches which accompanied the application.

FEI/ma  
cc-Continental Oil Co.  
F. H. Hennighausen

Yours truly,

S. E. Reynolds  
State Engineer

By:

*Frank E. Irby*  
Frank E. Irby  
Chief

Water Rights Div.