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# CONTINENTAL OIL COMPANY

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September 24, 1969

*Case 4235*

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

Attention of Mr. A. L. Porter, Jr., Secretary-Director

Re: Applications for October 22, 1969  
Examiner Hearing

Gentlemen:

Forwarded herewith are two applications for waterflood projects in the Anderson Ranch Wolfcamp and Langlie Mattix Pool, Lea County, New Mexico. Please place these matters for hearing on the October 22, 1969 Examiner Docket.

Yours very truly, (

VTL-JS

cc: RLA JJB JWK

**DOCKET MAILED**

Date 10-9-69

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE  
STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF  
CONTINENTAL OIL COMPANY FOR AUTHORITY  
TO INSTALL AND OPERATE A WATERFLOOD  
PROJECT ON ITS JACK A-29 LEASE IN THE  
LANGLIE MATTIX POOL LOCATED IN SECTION  
29, TOWNSHIP 24 SOUTH, RANGE 37 EAST,  
LEA COUNTY, NEW MEXICO

*Class 4235*

A P P L I C A T I O N

Comes now Applicant, Continental Oil Company, and respectfully requests authority to install and operate a waterflood on its Jack A-29 lease in the Langlie Mattix Pool, located in Section 29, T24S, R37E, Lea County, New Mexico, and in support thereof Applicant would show:

1. That the attached plat, marked Exhibit 1, shows the Jack A-29 lease, the wells thereon, the proposed injection wells and an area two miles in radius surrounding said injection wells.
2. That production from the Langlie Mattix Pool on said lease has ceased, having passed the economic limit.
3. That engineering investigations indicate that waterflooding the Langlie Mattix Pool will be physically and economically feasible.
4. That applicant proposes to inject water into the following wells:

<u>Well</u>	<u>Location</u>
Jack A-29 No. 2	Unit 1 - 29-24S-37E
Jack A-29 No. 4	Unit 0 - 29-24S-37E

5. That the proposed injection wells will be equipped as shown on the schematic diagrams attached hereto and marked Exhibits 2 and 3.

6. That applicant proposes to inject a total of approximately 1200 barrels of fresh and/or produced water per day into the two proposed injection wells on an 80-acre five-spot pattern. Said water will be purchased from an outside supplier.
7. That the said waterflood will be installed and operated in conformance with Rule 701E.
8. That the proposed secondary recovery will result in the recovery of hydrocarbons which would not be recovered by primary methods and is therefore in the interest of conservation and prevention of waste.

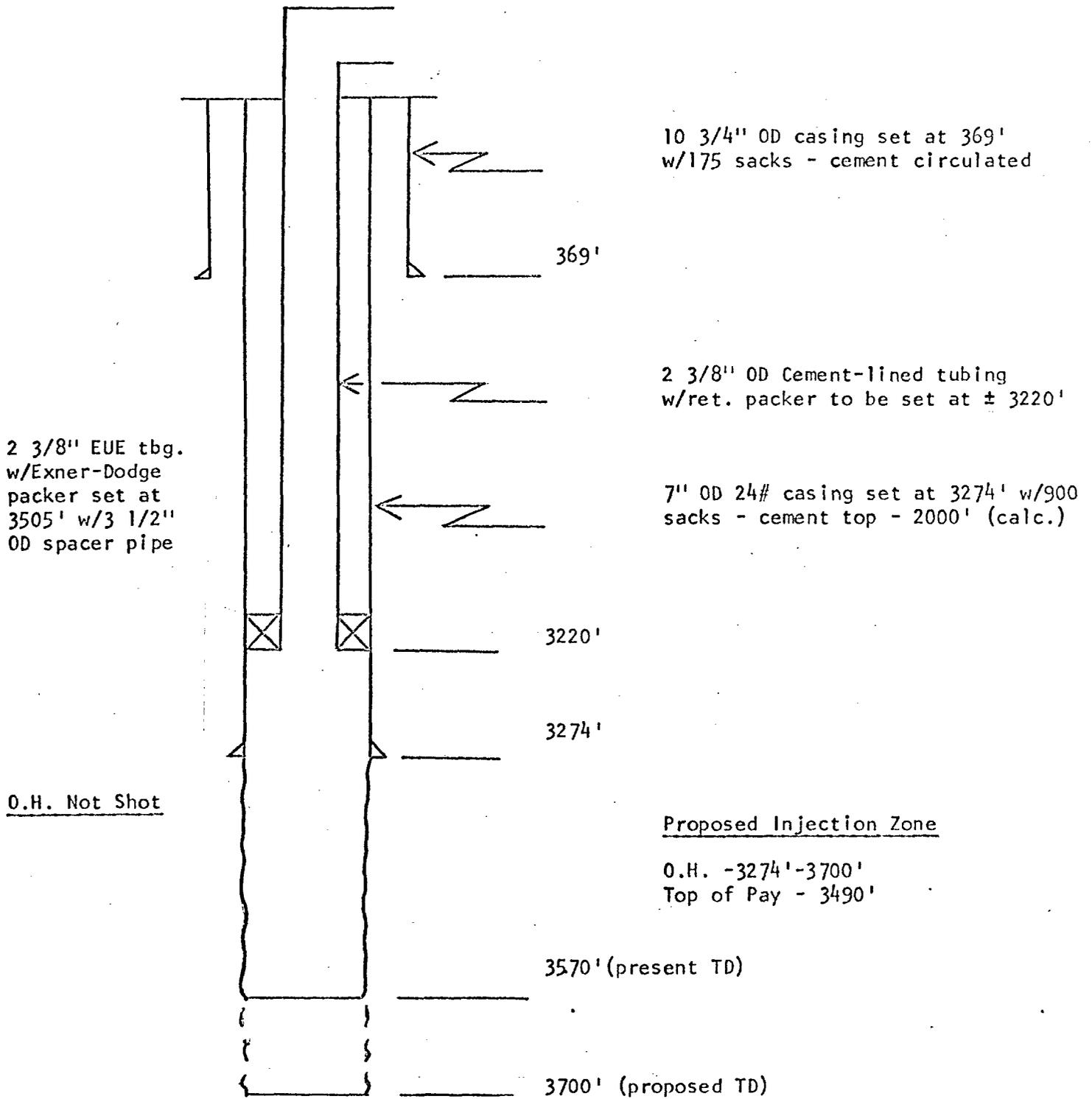
WHEREFORE, Applicant respectfully requests that this matter be set for hearing before the Commission's duly appointed Examiner and that upon hearing, an order be entered granting authority to install and operate a waterflood within the Langlie Mattix Pool as described hereinabove.

Respectfully submitted,



G. C. JAMIESON  
Assistant Division Manager  
Hobbs Division

JACK A-29 NO. 2  
 Unit 1 - 2310' FSL and 330' FEL  
 Section 29, T24S, R34E  
 Elev - 3264' G.L. 37  
 - 3274' D.F.



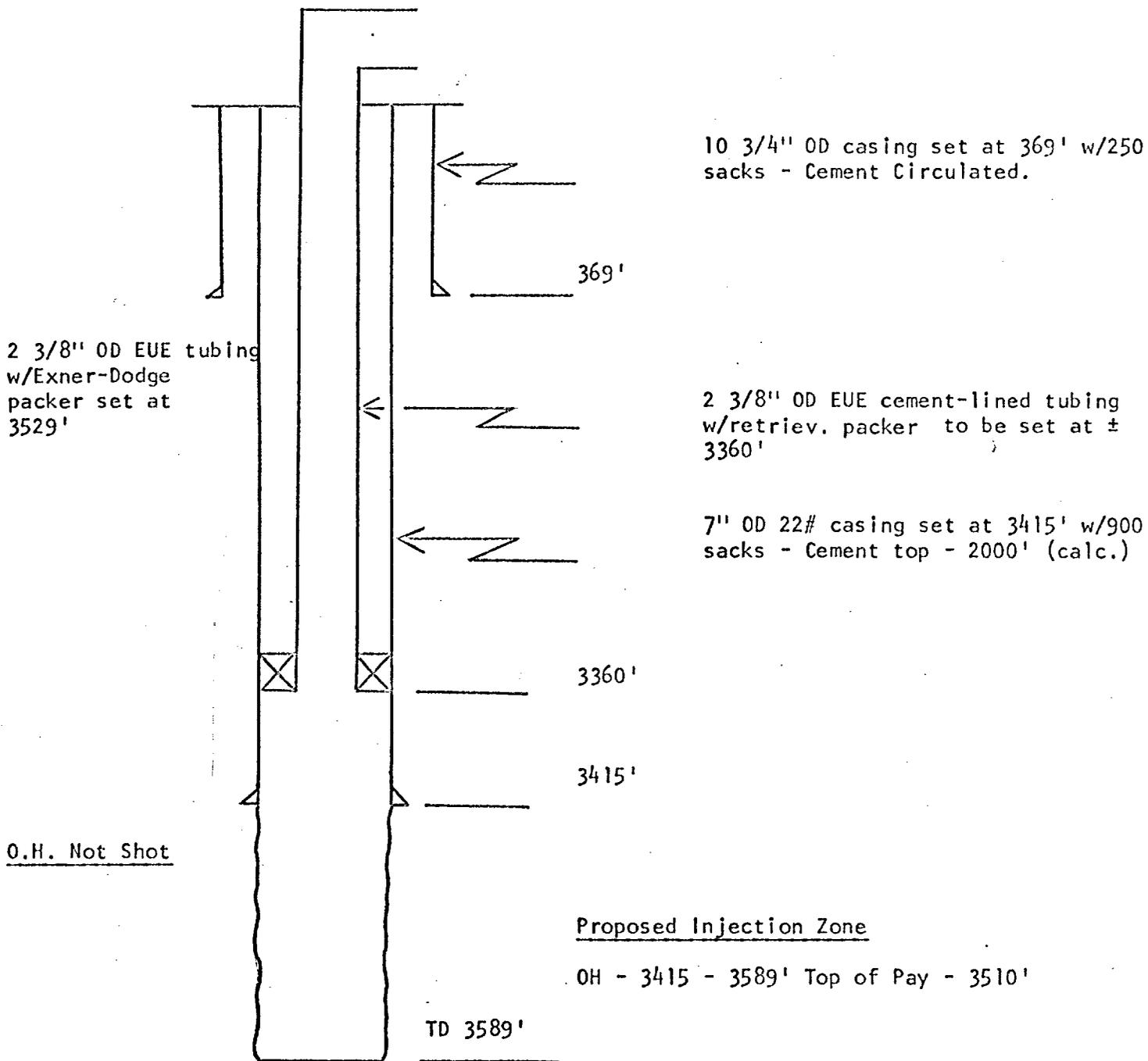
PROPOSED PROCEDURE

1. Pull tubing and packer (fish out packer if required)
2. Clean out to TD and drill out to new TD of 3700'.
3. Run gamma ray-neutron log (2" & 5" scales) from TD to 2700'.
4. Run cement-lined 2 3/8" OD EUE tubing w/ret. packer to be set at ± 3220'.
5. Hook-up well for injection.

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JACK A-29 NO. 4  
Unit 0 - 990' FSL & 1650' FEL  
Section 29 - T24S - R37E

Elev - 3268' GL  
- 3278' DF



PROPOSED PROCEDURE

1. Pull tubing and packer - fish out packer if required.
2. Clean out to TD of 3589'.
3. Run gamma ray - neutron log (2" & 5" scales) from TD to 2700'.
4. Run cement-lined 2 3/8" OD EUE tubing with ret. packer to be set at ± 3360'.
5. Hook up well for injection.

*Case 4225*