



# CONTINENTAL OIL COMPANY

P. O. BOX 460  
HOBBS, NEW MEXICO

May 26, 1964

PRODUCTION DEPARTMENT  
HOBBS DISTRICT  
A. B. SLAYBAUGH  
DISTRICT MANAGER  
G. C. JAMIESON  
ASSISTANT DISTRICT MANAGER

1001 NORTH TURNER  
TELEPHONE: EX 3-4141

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

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

Gentlemen: Re: Cave Pool Unit Waterflood Project

Your Order No. R-2384 approved the Cave Pool Unit Agreement covering certain lands in Eddy County, New Mexico. Order No. R-2385 approved the institution of a waterflood project in the Cave Pool Unit and designated twenty-six wells as water injection wells for use in the project.

Continental Oil Company, as operator of the Cave Pool Unit, now desires to interchange two wells, making one well presently a producer into an injection well, and vice versa. Cave Pool Unit Well No. 46 (formerly Continental Oil Company State U-9 Well No. 4), located in Unit I of Section 9, Township 17 South, Range 29 East, Eddy County, New Mexico, has been found to be incapable of receiving water in the desired quantities. It is proposed to return this well to a producing status.

Cave Pool Unit Well No. 45 is proposed to be converted from a producing well to water injection. This well is located in Unit H of the said Section 9.

DOCKET MAILED

Date 5/27/64

The attached plat, marked Exhibit No. 1, shows the Cave Pool Unit boundary and the location of the various wells, both producing and injection. Well No. 46 is shown by the green circle to be the proposed producing well, and No. 45 is shown by the red triangle as the proposed injection well. As can be seen, the proposed modification will make the injection pattern more uniform.

Exhibit No. 2, attached hereto, is a schematic diagram of the proposed injection well and shows the casing and tubing as it will be installed. Injection will be carried out by injecting into the casing after the casing has been tested to 2,000 pounds as required by Order No. R-2385.

Exhibit No. 3 is a well data plat which contains a portion of the Gamma Ray-Neutron log of the injection well and data on the completion and performance of the well.

In view of the facts stated above, it is respectfully requested that permission be granted to substitute Cave Pool Unit Well No. 45 as an injection well in place of Cave Pool Unit Well No. 46.

Yours very truly,



VTL-MLH  
CC: RGP GW JWK

CC By Certified Mail:  
State Engineer Office, P. O. Box 1079, Santa Fe, New Mexico

Encs.