

# Union Oil Company of California

M I D L A N D T E X A S

April 7, 1961

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Attention: Mr. Daniel S. Nutter

Re: Case No. <sup>1031</sup>~~3032~~, Order No. R-1729

Dear Mr. Nutter:

Order No. R-1729, concerning Union Oil Company of California's application to institute a water flood project on its South Caprock Queen Unit, authorized ten injection wells to be located along the gas cap on the western side of the field. Subsequent developments have indicated that the requested and authorized locations for two of these wells should be changed:

Tract 9, Well No. 3-5, was a proposed well to be located 990' from NL and 1980' from WL of Section 5. We have drilled Tract 9, Well No. 6-5, located 2050' from NL and 2100' from WL of Section 5, and have encountered a gas cap because the well is structurally higher than expected and the gas cap has expanded. This well was originally scheduled to be a producer but it is now evident that it should be an injection well, and there is no need for drilling the well originally authorized.

Tract 13, Well No. 16-6, formerly the Hodges-Malco Federal Well No. 1, located in SE/4 SE/4 of Section 6, was also authorized as an injection well. Subsequent information as to the condition of this well indicates that it could not be re-entered and successfully completed. The casing was shot off several times before any was recovered, and approximately 1500 feet of shooter's line was left in the hole. The well records indicate that the plugging of this well was sufficient to prevent fluid entry from the Queen Sand. Rather than re-enter this well, we should like to drill a new injection well, Tract 13, Well No. 16-A-6, located 760' from SL and 330' from EL, which is 100' north of the old abandoned well.

Both of these changes are based on engineering factors and they will in no way adversely affect our plan of injection into the gas cap to prevent loss of oil.

We are enclosing three maps to support this request:

The Structure Map shows the structural position of Tract 9, Well No. 6-5, and the relation to the gas-oil contact.

The Plan of Operation Map shows the approved injection well location and the proposed injection well location, along with the proposed location of the new well which is to be substituted for the re-entry. This map indicates a change in the project area, because the proposed use of Tract 9, Well No. 6-5 as an injection well will be a diagonal offset to the Tract 8, Well No. 10-5 well. The net effect, of course, is that the project allowable will be the same as it was before, since the proposed injection well was to have been a producer and we would have had one more well in the project area.

The map showing the Unit Well Designations has been included to indicate the proposed injection wells and the ones which have already been approved, along with the project area.

We respectfully request that we be authorized to make these changes, and shall appreciate it if it is possible to do so by administrative approval. Otherwise, we should like to have the matter scheduled for the next available hearing.

Very truly yours,



W. D. Owens  
Division Engineer

WDO:bn  
Enclosures (3)

cc: Mr. Jack Campbell

LAW OFFICES OF  
CAMPBELL & RUSSELL  
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July 15, 1960

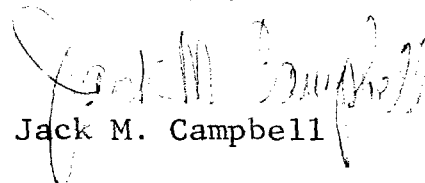
Mr. A. L. Porter  
Secretary-Director  
Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Mr. Porter:

You will find enclosed original and two copies of application of Union Oil Company of California in Case No. 2032, which is their application for approval of a waterflood project in the Caprock Queen Pool in their South Caprock Queen Unit.

This case is being advertised for the July 27 examiner hearing.

Very truly yours,



Jack M. Campbell

For CAMPBELL & RUSSELL

JMC:np

Enclosure

