

cima **CAPITAN** Incorporated

312 DOCKER BUILDING  
POST OFFICE DRAWER 1248

(N.S.L.)

ARTESIA, NEW MEXICO

August 8, 1966

AREA CODE 505  
TELEPHONE 748-1125

MAIN OFFICE

65 AUG 10 AM 1966

Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico

Attention: Mr. Dan S. Nutter, Chief Engineer

Dear Mr. Nutter

Pursuant to Rule 701-E-5, please consider this letter as our application for one additional water injection well, and for administrative approval of said well, in our Red Lake waterflood project. The original flood was authorized under Order No. R-2461, Case No. 2775 on March 20, 1963. We respectfully hereby apply for administrative approval for the conversion of our Well No. 8, SE/4 NW/4 SW/4 Section 22, T 17S, R 28E, Eddy County, from a producing oil well to a water injection well. The well is shown on the attached plat.

This flood has performed satisfactorily; however it is our opinion that by converting this well and therefore increasing our effective injection rate, we will recover more secondary oil.

I am attaching form C-116 showing production tests on this well and also for well No. 1, a direct offset. Both wells have responded to flood.

I am enclosing a schematic drawing which shows the casing and cementing program on Well No 8. Total depth is 1951 feet. 8 5/8" Casing was set at 495 feet as the surface string. 7" Casing was run and cemented at 1380 feet. A 4 1/2" liner is set at 1871 feet and cemented to 1020 feet. Our plan is to inject below a packer set near the bottom of the 4 1/2" liner on 2" plastic-coated tubing. This will give an ideal injection well completion and will adequately and properly confine the injected water to the Grayburg productive interval.

The injection rate will be on the order of 150 barrels per day and the injection pressure is estimated to be 1200 to 1300 psi.

I am sending a copy of this application to Mr. Frank Irby, State Engineer's Office, and to our offset operator, Red Lake Oil Company.

Please advise if additional information is required.

Very truly yours,

CIMA CAPITAN, INC.

  
Hal C. Porter

HCP/b