

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF THE STATE OF NEW  
MEXICO FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 1356  
Order No. R-1128

APPLICATION OF CITIES SERVICE OIL  
COMPANY FOR PERMISSION TO INSTITUTE  
A PILOT WATER FLOOD PROJECT IN THE  
CAPROCK-QUEEN POOL, CHAVES COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on January 7, 1958, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 12<sup>th</sup> day of February, 1958, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Cities Service Oil Company, is the owner and operator of the following named oil wells in the Caprock-Queen Pool, Chaves County, New Mexico, to-wit:

Government "B"	No. 5,	NW/4 NE/4	Section 10;
Government "B"	No. 6,	SE/4 SE/4	Section 3;
Government "B"	No. 10,	NE/4 SE/4	Section 3;
Government "B"	No. 14,	SE/4 SW/4	Section 3;

all in Township 14 South, Range 31 East, NMPM.

(3) That the applicant proposes to institute a pilot water flood project in Township 14 South, Range 31 East, NMPM, by the injection of water into the Queen formation in the Caprock-Queen Pool through the four wells described above at an approximate rate of 400 barrels of water per day per well.

(4) That at the time this case was heard the four proposed injection wells had a total productive capacity in excess of 2000 barrels of oil per month which is more or less representative of the average productive capacities of the other wells in the area.

(5) That the production of oil from the wells in the subject area has not declined to the point where additional oil may be recovered only by water flooding or by other secondary recovery methods, and that the subject area may be said to be in the primary recovery stage.

(6) That the injection of water, at the present time, into the Queen formation of the Caprock-Queen Pool through the four wells described above may stimulate the primary recovery of oil in the immediate area of the injection wells, but that the proposed program is not, however, a water flood project for purposes of secondary recovery as that term is generally understood.

(7) That no well should be allowed to receive a disproportionate share of the market demand for oil in the State of New Mexico when the production of oil from such well can be restricted without causing waste.

(8) That the production from the wells which might be affected by the proposed injection program could be curtailed without causing waste, provided the rate of injection is regulated.

(9) That the applicant should so regulate the injection of water in the proposed project as to permit the curtailment of production from the affected wells without causing waste.

(10) That the proposed program will not adversely affect the interests of any other operator in the Caprock-Queen Pool.

(11) That the applicant should be permitted to inject water into the Queen formation in the Caprock-Queen Pool through the four proposed injection wells described above, subject to the foregoing limitations.

IT IS THEREFORE ORDERED:

That the applicant, Cities Service Oil Company, be and the same is hereby authorized to inject water into the Queen formation in the Caprock-Queen Pool, Chaves County, New Mexico, through the following described wells:

Government "B" No. 5, NW/4 NE/4 Section 10;  
Government "B" No. 6, SE/4 SE/4 Section 3;  
Government "B" No. 10, NE/4 SE/4 Section 3;  
Government "B" No. 14, SE/4 SW/4 Section 3,

all in Township 14 South, Range 31 East, NMPM;

PROVIDED HOWEVER, That the applicant shall regulate the injection of water into the above-described wells so that the production from the wells affected by the injection project can be prorated without causing waste.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
MURRAY E. MORGAN, Member

  
A. L. PORTER, Jr., Member & Secretary

