

Entered December 5, 1962  
A.L.P.

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE No. 2615  
Order No. R-2304-A

APPLICATION OF WATERFLOOD ASSOCIATES, INC.  
FOR A HEARING DE NOVO IN CASE NO. 2615,  
ORDER NO. R-2304, APPLICATION OF AZTEC OIL  
& GAS COMPANY FOR A WATERFLOOD PROJECT,  
ROBINSON POOL, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing de novo at 9 o'clock a.m. on October 18, 1962, at Farmington, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 21st day of November, 1962, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, 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, Aztec Oil & Gas Company, is the operator of certain leases comprising, in part, the following-described acreage in Lea and Eddy Counties, New Mexico:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM  
Section 36: E/2 SE/4 and SW/4 SE/4

TOWNSHIP 16 SOUTH, RANGE 32 EAST, NMPM  
Section 30: SW/4 SE/4  
Section 31: W/2, W/2 E/2, and SE/4 SE/4

(3) That the applicant seeks permission to institute a secondary recovery project in the Robinson Grayburg-San Andres Pool on the above-described acreage, by the injection of water into the Grayburg formation through the following-described wells:

State "RC" Well No. 1, Unit L, Section 31, Township  
16 South, Range 32 East;

State "RC" Well No. 3, Unit P, Section 36, Township 16 South, Range 31 East;  
State "R" Well No. 3, Unit N, Section 31, Township 16 South, Range 32 East;  
Brinson Federal Well No. 1, Unit F, Section 31, Township 16 South, Range 32 East;  
Brinson Federal Well No. 3, Unit B, Section 31, Township 16 South, Range 32 East; and  
Humble State "A" Well No. 3, Unit J, Section 31, Township 16 South, Range 32 East.

(4) That although Aztec Oil & Gas Company's proposed pattern for water injection wells may be out of phase with a previously established pattern to the west, such rearrangement of pattern is necessary to provide adequate protection of correlative rights.

(5) That the pattern as proposed by Aztec Oil & Gas Company, including the later conversion of two additional wells to water injection, should result in a thorough and efficient sweep of the oil in the subject area, thereby allowing the ultimate recovery of otherwise unrecoverable oil.

(6) That the applicant should be permitted to institute a waterflood project on the above-described acreage by the conversion to water injection of the above-described wells; provided, however, that applicant's State "RC" Well No. 2, located in Unit I of Section 36, Township 16 South, Range 31 East, NMPM, Eddy County, New Mexico, and its State "R" Well No. 3, located in Unit C of Section 31, Township 16 South, Range 32 East, NMPM, Lea County, New Mexico, should also be converted to water injection when the efficiency of sweep by previously authorized water injection wells would augmented thereby.

(7) That the Commission, after notice and hearing, should order additional wells placed on water injection if it is determined that such action is necessary in order to protect correlative rights and prevent waste.

(8) That the wells on the subject leases have reached an advanced stage of depletion and should be classified as "stripper" wells; that, accordingly, the subject project should be governed by the waterflood provisions of Rule 701.

IT IS THEREFORE ORDERED:

(1) That Aztec Oil & Gas Company is hereby authorized to institute a waterflood project in the Robinson Grayburg-San Andres Pool, Lea and Eddy Counties, New Mexico, by the injection of water into the Grayburg formation through the following-described wells:

State "RC" Well No. 1, Unit L, Section 31, Township 16 South, Range 32 East;

State "RC" Well No. 3, Unit P, Section 36, Township 16 South, Range 31 East;  
State "R" Well No. 3, Unit N, Section 31, Township 16 South, Range 32 East;  
Brinson Federal Well No. 1, Unit F, Section 31, Township 16 South, Range 32 East;  
Brinson Federal Well No. 3, Unit B, Section 31, Township 16 South, Range 32 East; and  
Humble State "A" Well No. 3, Unit J, Section 31, Township 16 South, Range 32 East.

(2) That Aztec Oil & Gas Company shall convert its State "RC" Well No. 2, located in Unit I of Section 36, Township 16 South, Range 31 East, NMPM, Eddy County, New Mexico, and its State "R" Well No. 3, located in Unit C of Section 31, Township 16 South, Range 32 East, NMPM, Lea County, New Mexico, to water injection when the efficiency of sweep of the above-described injection wells will be augmented thereby.

(3) That the project area for said waterflood project shall comprise the following-described acreage:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM  
Section 36: E/2 SE/4 and SW/4 SE/4

TOWNSHIP 16 SOUTH, RANGE 32 EAST, NMPM  
Section 30: SW/4 SE/4  
Section 31: W/2, W/2 E/2, and SE/4 SE/4

subject to approval by the Regional Supervisor of the United States Geological Survey and the Commissioner of Public Lands for the State of New Mexico.

(4) That the subject waterflood project shall be governed by the provisions of Rule 701.

(5) That Order No. R-2304 entered by the Commission on August 13, 1962, is hereby superseded.

(6) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
E. S. WALKER, Member

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

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