

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 8423  
Order No. R-7809

APPLICATION OF BRADEN-DEEM, INC.  
FOR A WATERFLOOD PROJECT,  
ROOSEVELT COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on December 19, 1984, at Santa Fe, New Mexico, before Examiner Gilbert P. Quintana.

NOW, on this 6th day of February, 1985, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

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

(2) The applicant, Braden-Deem, Inc., seeks authority to institute a waterflood project on its Braden-Deem State "DB" Lease, Chaveroo-San Andres Pool, by the injection of water into the San Andres formation through its State "DB" Well No. 6 located 660 feet from the South and East lines of Section 25, Township 7 South, Range 33 East, NMPM, Roosevelt County, New Mexico.

(3) The well in the project area is in an advanced state of depletion and should properly be classified as a "stripper" well.

(4) The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) The operator should take all steps necessary to ensure that the injected water enters only the proposed

injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(6) The injection well or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 838 psi, but the Division Director should have authority to increase said pressure limitation, should circumstances warrant.

(7) The subject application should be approved and the project should be governed by the provisions of Rules 702 through 708 of the Division Rules and Regulations.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Braden-Deem, Inc., is hereby authorized to institute a waterflood project on its Braden-Deem State "DB" Lease, Chaveroo-San Andres Pool, by the injection of water into the San Andres formation through the following described well in Township 7 South, Range 33 East, NMPM, Roosevelt County, New Mexico:

Braden-Deem, Inc. State "DB" Well No. 6  
660' FSL and 660' FWL, Section 25

(2) Injection into the well shall be through internally coated tubing, set in a packer which shall be located as near as practicable to the uppermost perforation; the casing-tubing annulus of the injection well shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak detection device.

(3) The operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing or packer in said injection well, the leakage of water or oil from or around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area and shall take such timely steps as may be necessary or required to correct such failure or leakage.

(4) The injection well herein authorized and/or the injection pressurization system shall be so equipped as to limit injection pressure at the wellhead to no more than 838 psi, provided however, the Division Director may authorize a higher surface injection pressure upon satisfactory showing that such pressure will not result in fracturing of the confining strata.

(5) The subject waterflood project is hereby designated the Braden-Deem State "DB" Lease Waterflood Project and shall be governed by the provisions of Rules 701 through 708 of the Division Rules and Regulations.

(6) Monthly progress reports of the waterflood project herein authorized shall be submitted to the Division in accordance with Rules 706 and 1115 of the Division Rules and Regulations.

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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



STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

*R. L. Stamets*  
R. L. STAMETS  
Director