

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION)
OF BURK ROYALTY CO. FOR APPROVAL)
OF INSTALLATION OF SECONDARY)
RECOVERY OPERATIONS. IN THE DOUBLE L)
QUEEN UNIT, CHAVES COUNTY, NEW MEXICO.)
_____)

Case No. 5454

APPLICATION

COMES NOW Burk Royalty Co., proposed Operator of the Double L Queen Unit, Chaves County, New Mexico, and pursuant to Rule 701 hereby makes application for approval of the institution of a secondary recovery waterflood project, and states:

1. There is presently pending before this Commission in Case No. 5415 an Application by Burk Royalty Co. (Applicant) for approval of the Double L Queen Unit Agreement, which Application is incorporated herein by reference.

2. Applicant proposes to institute a pilot waterflood project in the Double L Queen Unit Area and in connection therewith attaches the following:

A. A plat showing the location of the proposed injection wells and the location of all other wells within a radius of two miles from said proposed injection wells and the formation from which said wells are producing or have produced, being the Queen formation. The plat also indicates the lessees, if any there be, within said two-mile radius.

B. A log of all proposed injection wells to the extent available.

C. A diametric sketch of the proposed injection wells showing all casing strings, including diameters and setting depths, quantities used and tops of cement, perforated or open hole intervals, tubing

strings, including diameters and setting depths, and type and location of packers, if any. This includes 16 diagramatic sketches while there are 17 wells indicated on the attached plat; the remaining well being the Spurck #5 was a dry hole and is not now completed.

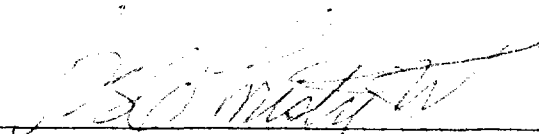
3. The depth of the producing zone varies to some extent but is approximately 1,900 feet subsurface which zone is in the Queen formation. The fluid to be injected is fresh water. Initial volumes of water are approximately 350 barrels per well per day which, for the present 16 wells, will be approximately 5,600 barrels per day. At such time as an increase in produced water is experienced, the water will be returned to the reservoir and a lesser amount of new water will be injected.

4. In the opinion of Applicant the proposed pilot waterflood project, and any extensions thereof, approved by the Commission, will be in the interest of conservation and the prevention of waste and will not violate the correlative rights of any interested party.

WHEREFORE, Applicant respectfully requests, after notice and hearing, approval of this Application.

BURK ROYALTY CO.

By


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Attorneys for Applicant

cc: McClellan Oil Corporation
cc: L. C. Harris
cc: J. Penrod Toles
cc: Robert M. Patterson
cc: Robert L. Graham
cc: Albert J. Black
cc: Wolfson Oil Company
cc: Exxon Corporation
cc: Amoco Production Company
cc: Dalport Oil Corporation
cc: BURK Royalty Co.

cc: Crown Central Petroleum Corporation
cc: Walters Amusements, Inc.
cc: Roark & Hooker
cc: J. C. Monk
cc: Wall Street Corporation
cc: W. W. LaForce, Jr.
cc: Tom Schneider
cc: A. N. Norwood
cc: George Eng
cc: Alan Q. Norwood
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cc: Charles H. Juni
cc: Wallace G. Comer
cc: Warren D. Barton
cc: G. W. Green
cc: Corinne Grace

cc: U.S.G.S. (Roswell, N.M.)
cc: Commissioner of Public Lands of New Mexico