

Case 3000

Gulf Oil Corporation

ROSWELL PRODUCTION DISTRICT
May 19, 1964

P. O. Drawer 1938
Roswell, New Mexico 88201

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

1964

Secretary Director
New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Application of Gulf Oil Corporation for the Approval of the West Pearl Queen Unit Agreement Providing for Secondary Recovery Operations in a Portion of the Pearl Queen Pool, Lea County, New Mexico.

Dear Sir:

Gulf Oil Corporation, as the proposed Unit Operator, respectfully herein requests the Commission's approval of the West Pearl Queen Unit Agreement, on the grounds that the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste. In support of the application, Gulf states as follows:

1. That the Unit Area shall be

T. 19 S., R. 35 E.
Section 20: SW/4 SE/4
Section 21: SW/4 SW/4
Section 28: W/2, W/2 SE/4 and SE/4 SE/4
Section 29: All
Section 30: E/2 SE/4, SE/4 NE/4 and SW/4 SE/4
Section 31: NE/4, E/2 NW/4, N/2 SE/4 and NE/4 SW/4
Section 32: N/2, N/2 SW/4 and NW/4 SE/4
Section 33: N/2 and N/2 SE/4
Containing 2,520 acres, more or less, more fully shown on the enclosed plat.

2. That the Unit Area described above includes all producing Pearl Queen wells in Township 19 South, Range 35 East, west of Shell Oil Company's East Pearl Queen Unit and that no Pearl Queen wells are contiguous to the Unit Area other than those in the East Pearl Queen Unit.

3. That the average daily production for the wells in the proposed Unit Area has declined to approximately nine (9) barrels per day and that said wells have reached an advanced stage of depletion as is described in Rule 701 (E) (1).

4. That applicant proposes to convert thirty (30) wells to water injection wells, detailed descriptions of which are summarized and outlined in the enclosed tables and diagrammatic sketches. A copy of a log on a typical injection well is also enclosed.



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5. That applicant plans to inject 500 barrels per day of fresh water into each injection well into the Queen formation in the approximate depth interval 4800-5000 feet. The source of water will be wells in Section 3, Township 19 South, Range 36 East, producing from the Ogallala formation.

6. Prior to any expansion of the Unit, applicant will request that the expansion be authorized by administrative approval. Unit Operator will agree to file with the Commission an executed original or an executed counterpart of the West Pearl Queen Unit Agreement within 30 days after the effective date thereof.

7. That the order of the Commission should become effective upon the final approval of said Unit Agreement by the Commissioner of Public Lands of the State of New Mexico and shall terminate ipso facto upon the termination of said Unit Agreement.

Gulf Oil Corporation has previously obtained a preliminary approval of the Unit Agreement from the Commissioner of Public Lands, U.S.G.S., and a copy of this application, complete with all attachments, has been sent to the State Engineer Office, Santa Fe, New Mexico.

It is requested that this matter be set for hearing before an examiner.

Respectfully submitted,

GULF OIL CORPORATION



M. I. Taylor

Enclosures

DGB:bc

CC With Enclosures:

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

State Engineer Office
State of New Mexico
Capitol Building
Santa Fe, New Mexico 87501

New Mexico Oil Conservation Commission
Post Office Box 2045
Hobbs, New Mexico 88240