

Case No. 10762
Order No. R-9737-A
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Range 32 East, NMPM, Lea County, New Mexico, into water injection wells for the purpose of testing the "injectivity" of the Querecho Plains-Upper Bone Spring Pool for a sufficient period of time to establish stabilized injection rates in order to determine the feasibility of commencing a waterflood project in this general area to be unitized at a later date.

(4) The applicant, Mewbourne Oil Company, at this time seeks authority to institute a waterflood project in its proposed Querecho Plains Bone Spring Sand Unit Area (Division Case No. 10761), Lea County, New Mexico, by the injection of water into the designated and Undesignated Querecho Plains-Upper Bone Spring Pool, as found in that stratigraphic interval between 8,328 feet to 8,620 feet as measured on the *Welsch - Spectral Density Dual Spaced Neutron Log* ran on November 28, 1987 in the applicant's Federal Well No. 4 located 660 feet from the North line and 1650 feet from the East line (Unit B) of Section 23, Township 18 South, Range 32 East, NMPM, Lea County, New Mexico, through fifteen certain wells to be converted from producing wells to injectors, as further described in Exhibit "A" attached hereto and made a part hereof.

(5) It is proposed that the waterflood project area coincide with the boundary of the Querecho Plains Bone Spring Sand Unit Area in Lea County, New Mexico, as further described below, which was the subject of Division Case No. 10761 and was heard in combination with this case:

TOWNSHIP 18 SOUTH RANGE 32 EAST NMPM

Section 13: S/2 SW/4
Section 14: SE/4
Section 22: NE/4 SE/4 and S/2 SE/4
Section 23: All
Section 24: W/2 NW/4 and SW/4 SW/4
Section 26: N/2
Section 27: All
Section 28: E/2

(6) The above-described area contains several tracts of undeveloped acreage; therefore, in compliance with Division General Rule 701.G(1) the project area as requested should be reduced to include only those oil spacing and proration units within the proposed area that have experienced production from the Querecho Plains-Upper Bone Spring Pool, being the following described 2,040 acres in Lea County, New Mexico: