

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF DEVON ENERGY
CORPORATION (NEVADA) FOR
WATERFLOOD EXPANSION AND
AUTHORIZATION TO INJECT,
EDDY COUNTY, NEW MEXICO.

CASE NO. 11694

APPLICATION

Devon Energy Operating Corporation hereby makes application for waterflood expansion and authorization to inject, and in support thereof, states:

1. Applicant is the operator of the Keel-West Waterflood Project ("the Project"), which covers all of Sections 3-10, Township 17 South, Range 31 East, N.M.P.M.

2. The Project was approved by order No. R-2268, as amended, and was expanded Administrative Orders WFX-585, WFX-587, WFX-687, and WFX-690, authorizing injection into the Grayburg-Jackson Pool.

3. Applicant seeks to expand the Project by converting four additional wells to injection, as described below.

4. Division Administrative Order WFX-687 required that, prior to commencing injection operations into the J. L. Keel "B" Well Nos. 34 and 37, applicant re-enter the Everts Well No. 1, located in Unit P of Section 31, Township 16 South, Range 31 East, N.M.P.M., and plug and abandon the well in a proper manner.

5. Division Administrative Order WFX-690 required that, prior to commencing injection operations into the H. E. West "B" Well No. A-11, applicant re-enter the H. E. West Well No. A-3, located in Unit A of Section 3, Township 17 South, Range 31 East, N.M.P.M.

6. Division Administrative Order WFX-690 also required that, prior to commencing injection operations into the H. E. West "B" Well No. 48, applicant re-enter the Repollo Well No. 1, located in Unit P of Section 10, Township 17 South, Range 31 East, N.M.P.M.

7. The locations of the aforesaid proposed injection wells are described on Exhibit A attached hereto.

8. No plugging information is available on the Everts Well No. 1, H. E. West Well No. A-3, and Repollo Well No. 1. As a result of the foregoing, applicant proposes the expansion of the Project in the following manner, and with the following monitoring program:

- (a) Convert the wells described on Exhibit A to injection; and
- (b) Use the J. L. Keel "B" 32, 33, 49, 51, and 79 wells, the H. E. West "A" 15, 18, 28, and 31 wells, and the H. E. West "B" 31, 34, 68 and 69 wells, located in Sections 3, 5, 6, and 10, as monitor wells to evaluate reservoir performance around the proposed injection wells.

9. The Form C-108 for the proposed injection wells has previously been submitted to the Division.

10. All other terms of the Division orders described in paragraph 2 above shall remain in force.

11. The granting of this application is in the interests of conservation, the prevention of waste, and the protection of correlative rights.

12. Applicant requests that this application be set for hearing on January 9, 1997.

WHEREFORE, Applicant requests that, after notice and hearing, the relief requested above be granted.

Respectfully submitted,

HINKLE, COX, EATON, COFFIELD
& HENSLEY, L.L.P.

A handwritten signature in dark ink, appearing to read "James Bruce", is written over the typed name.

James Bruce

Attorneys for Devon Energy
Corporation (Nevada)

EXHIBIT A

Proposed Injection Well

Location

J.L. Keel "B" No. 34

Unit H §6-17S-31E

J.L. Keel "B" No. 37

Unit E §5-17S-31E

H.E. West "B" No. 48

Unit J §10-17S-31E

H.E. West "B" No. A-11

Unit G §3-17S-31E

PROPOSED ADVERTISEMENT

Case 11694 : Application of Devon Energy Corporation (Nevada) for Waterflood Expansion and Authorization to Inject, Eddy County, New Mexico. Application seeks authority to expand its Keel-West-Waterflood Project, Grayburg-Jackson Pool, located in Sections 3, 5, 6 and 10, Township 17 South, Range 31 East, N.M.P.M., authorized by Division Order No. R-2268, as amended, by converting four producing wells to water injection wells. Said area is located approximately 6 miles northeast of Loco Hills, New Mexico.