



Case 2473

SKELLY OIL COMPANY

P. O. Box 1650
TULSA 2, OKLAHOMA

PRODUCTION DEPARTMENT

C. L. BLACKSHER, VICE PRESIDENT
W. P. WHITMORE, MGR. PRODUCTION
W. D. CARSON, MGR. TECHNICAL SERVICES
ROBERT G. HILTZ, MGR. JOINT OPERATIONS
GEORGE W. SELINGER, MGR. CONSERVATION

September 24, 1962

Re: West Dollarhide Queen Unit
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. James M. Durrett, Jr., General Counsel

Gentlemen:

We are attaching an original and three copies of an application for authority to inject fluid into the Queen Sand formation in the West Dollarhide Queen Unit Area, Lea County, New Mexico. We are attaching to this application "Exhibit 'A'" which is a secondary recovery study of the West Dollarhide Queen reservoir.

At the present time we do not have logs of the injection wells available for filing, but we will, however, file such logs as are available at the hearing. We will, also, at the hearing file an exhibit describing the proposed injection wells' casing and cementing program.

We would appreciate having this matter set down for an Examiner's hearing the latter part of October, 1962.

Yours very truly,

RJJ:br
Attach.

cc-Mr. L. C. White w/ attach.
Gilbert, White and Gilbert
Bishop Building
Santa Fe, New Mexico

DOCKET MAILED

Date 10-11-62

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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION OF)
 SKELLY OIL COMPANY FOR AUTHORITY TO)
 INJECT FLUID INTO THE QUEEN SAND)
 FORMATION IN THE WEST DOLLARHIDE)
 QUEEN FIELD, LEA COUNTY, NEW MEXICO.)

CASE 2673
 FILED _____
 HEARING _____

A P P L I C A T I O N

Comes now Skelly Oil Company on behalf of itself and others and respectfully states as follows:

1. That it is an owner and operator of oil and gas wells in the West Dollarhide Queen Field, Lea County, New Mexico.
2. That it desires to conduct secondary recovery operations in this field by injecting fluids into the Queen Sand formation, which formation shall be described and construed to mean the formation and reservoir encountered in the drilling by Skelly Oil Company's Mexico "L" Lease Well No. 24 between the depths of 3580 feet and 3760 feet as shown by the electric log of said well, which well is located in the NW/4 of the NE/4 of Section 5, Township 25 South, Range 38 East, Lea County, New Mexico.
3. That applicant proposes to conduct secondary recovery operations by injection of fluids into the Queen Sand formation, above described, in an area known as the West Dollarhide Queen Sand Unit, which unit consists of portions of Sections 19, 29, 30, 31, 32 and 33, Township 24 South, Range 38 East, and Sections 4, 5 and 6, Township 25 South, Range 38 East, Lea County, New Mexico, containing an area of 2,562.52 acres, more or less, which area is more specifically set out on a map entitled "Figure 1 of Exhibit 'A'" attached hereto and made a part hereof by reference.
4. That initially applicant proposes to inject fluid into 28 wells as follows:

<u>Well</u>	<u>Location</u>
Texaco - United Royalty "A" #2	Unit M, Sec. 19-24S-38E-
Sinclair - McClure-Fed. #15	Unit O, Sec. 19-24S-38E-
Sinclair - McClure-Fed. #3	Unit O, Sec. 30-24S-38E-
Sinclair - McClure-Fed. #12	Unit G, Sec. 30-24S-38E-
Sinclair - McClure-Fed. #9	Unit I, Sec. 30-24S-38E-
J. P. Gibbins - Fowler Hair #2	Unit C, Sec. 30-24S-38E-
J. P. Gibbins - Fowler Hair #3	Unit E, Sec. 30-24S-38E-
Sinclair - L. E. Vance #4	Unit K, Sec. 30-24S-38E-
Sinclair - L. E. Vance #5	Unit M, Sec. 30-24S-38E-
Skelly - Mexico "K" #3	Unit M, Sec. 29-24S-38E-
Skelly - Mexico "K" #11	Unit E, Sec. 29-24S-38E-
Pan American - State "Y" #13	Unit G, Sec. 32-24S-38E-
Pan American - State "Y" #14	Unit C, Sec. 32-24S-38E-
Elliott, Inc. - Elliott "H" #3	Unit G, Sec. 31-24S-38E-
Elliott, Inc. - Elliott "H" #4	Unit A, Sec. 31-24S-38E-
Elliott and Hall - Elliott "R" #1	Unit C, Sec. 31-24S-38E-
Texaco - J. B. McGhee #2	Unit P, Sec. 31-24S-38E-
Texaco - J. B. McGhee #9	Unit K, Sec. 31-24S-38E-
Skelly - Mexico "J" #11	Unit N, Sec. 32-24S-38E
Skelly - Mexico "J" #12	Unit K, Sec. 32-24S-38E
Skelly - Mexico "J" #18	Unit P, Sec. 32-24S-38E
Skelly - Mexico "L" #6	Unit E, Sec. 5-25S-38E
Skelly - Mexico "L" #9	Unit H, Sec. 5-25S-38E
Skelly - Mexico "L" #12	Unit B, Sec. 5-25S-38E
Sinclair - State Lea 263 #2	Unit B, Sec. 6-25S-38E
Skelly - Mexico "O" #1	Unit H, Sec. 6-25S-38E
Gulf - Leonard State #7	Unit D, Sec. 4-25S-38E
Culbertson & Irwin - Texas Penny Fed. #1	Unit K, Sec. 5-25S-38E

Lea County, New Mexico. These wells are shown on a map marked "Figure 8 of Exhibit 'A'" above referred to, and further applicant may in the future desire to expand the secondary recovery project to include other wells within the unit area.

5. That attached hereto is a map marked "Figure 8 of Exhibit 'A'" which shows the proposed injection wells and the location of all wells and lessees within the limits of the field or a two-mile radius of said proposed injection wells.


6. That applicant proposes to use as a primary source of injection fluids fresh water from the Santa Rosa formation present in the area, supplementing said water with produced water from the Queen Sand formation as the flood progresses. Applicant proposes to inject initially between 13,000 barrels and 15,000 barrels of water per day.

WHEREFORE, PREMISES CONSIDERED, applicant prays that this Commission, after the giving of notice as required by law, set this application down for hearing and that at the conclusion of said hearing based on the evidence produced, that it issue an order authorizing applicant to inject fluid and conduct secondary recovery operations within the West Dollarhide Queen Sand Unit by authorizing the injection of water into 28 wells in the unit area, provide for the expansion of the secondary recovery project without the necessity of further hearings, and other rules and regulations, and orders as may be necessary in the premises.

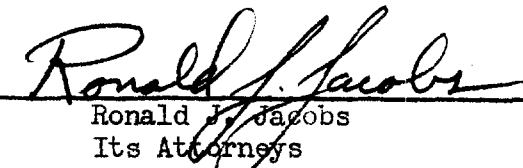
Respectfully submitted,

SKELLY OIL COMPANY

By


George W. Selinger

By


Ronald J. Jacobs
Its Attorneys

Of Counsel
L. C. White
Gilbert, White & Gilbert
Santa Fe, New Mexico