



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

December 11, 1979

C. L. Wade
Drawer DD
Levelland, Texas 79336

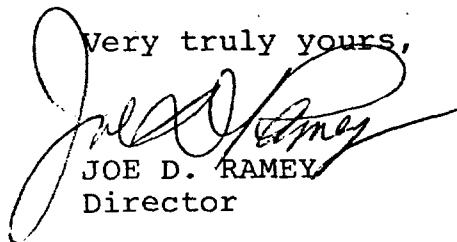
Re: Case No. 3692
Order No. R-3124

Dear Mr. Wade:

By authority granted me in Order No. R-3124, you are hereby authorized to increase the surface injection pressure on:

- (a) Lovington Paddock Unit Well No. 53 in Unit A of Section 6, Township 17 South, Range 37 East, Lea County, New Mexico,
- (b) Lovington Paddock Well No. 25 in Unit G of Section 31, Township 16 South, Range 37 East, Lea County, New Mexico,
- (c) Lovington Paddock Well No. 34 in Unit I of Section 31, Township 16 South, Range 37 East, Lea County, New Mexico, to 2200 psi.

Very truly yours,



JOE D. RAMEY
Director

JDR/MH/og

cc: Oil Conservation Division
Box 1890
Hobbs, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Case file

December 6, 1967

Mr. J. B. Grant
Skelly Oil Company
Post Office Box 1650
Tulsa, Oklahoma 74102

Dear Sir:

Reference is made to Commission Order No. R-3352, recently entered in Case No. 3692, approving the expansion of Skelly's Lovington Paddock Unit Waterflood Project.

Additional injection is to be through the seven newly authorized water injection wells, each of which shall be equipped with internally-coated tubing and a packer. Packers shall be set within 100 feet of the uppermost perforation in the Paddock, or in the case of open hole completions, within 100 feet of the casing shoe. The casing-tubing annulus shall be loaded with an inert fluid and fitted with a pressure gauge or left open to facilitate detection of tubing or packer leaks.

As to allowable, our calculations indicate that when all of the newly authorized injection wells have been placed on active injection, the maximum allowable which the expanded project will be eligible to receive under the provisions of Rule 701-E-3 is 5750 barrels per day when the Southeast New Mexico normal unit allowable is 42 barrels per day or less, subject to acreage factor adjustment for certain wells in the unit.

Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the Commission and the appropriate district proration office.

In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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Mr. J. B. Grant

Skelly Oil Company

Tulsa, Oklahoma 74102

both of the aforementioned Commission offices by letter of any change in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

Your cooperation in keeping the Commission so informed as to the status of the project and the wells therein will be appreciated.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/DSN/ir

cc: Oil Conservation Commission
Hobbs, New Mexico

State Engineer Office
Santa Fe, New Mexico

OFFSET OPERATORS' MAILING LIST

LOVINGTON PADDock UNIT

October 11, 1967

Case 3692

Amerada Petroleum Corporation
P.O. Box 2040
Tulsa, Oklahoma

Attn: Mr. J. C. Blackwood

McCullough Oil Corp. of Calif.
Twelfth Floor McCullough Bldg.
6151 West Century Blvd.
Los Angeles, California 90045

Socony Mobil Oil Company, Inc.
P.O. Box 2406
Hobbs, New Mexico

Ashland Oil and Refining Co.
P.O. Box 18695
Oklahoma City, Oklahoma 73118

Attn: Mr. Bill Hinkle

Northern Natural
P.O. Box 1786
Midland, Texas

Southern Petroleum Exploration
200 West 1st
Box 1434
Roswell, New Mexico

Tom Brown Drilling Company, Inc.
P.O. Box 5131
Midland, Texas 79701

Pan American Petroleum Corp.
P.O. Box 1410
Fort Worth, Texas 76101

Sunray DX Oil Company
1001 Wilco Building
Midland, Texas

Attn: Mr. N. S. Whitmore

Attn: Mr. V. M. Williams

Consolidated Oil and Gas
Writer Building
4130 East Mexico
Denver, Colorado

Phillips Petroleum Company
Room B-2 Phillips Building
Odessa, Texas

Attn: Mr. J. N. Perkins

Tenneco Oil Company
P.O. Box 1031
Midland, Texas 79701

John L. Cox
305 V & J Tower
Midland, Texas 79701

Shell Oil Company
P.O. Box 1509
Midland, Texas 79704

Union Oil Company of California
Union Oil Company Bldg.
Midland, Texas 79701

Getty Oil Company
P.O. Box 1231
Midland, Texas 79701

Sinclair Oil & Gas Company
P.O. Box 1920
Hobbs, New Mexico 88240

Attn: W. F. Burns

State of New Mexico
Oil Conservation Commission



P. O. BOX 2088
SANTA FE

December 4, 1967

Mr. J. B. Grant
Skelly Oil Company
Post Office Box 1650
Tulsa, Oklahoma 74102

Re: Case No. 3692
Order No. R-3352
Applicant:
SKELLY OIL COMPANY

Dear Sir:

Enclosed herewith is a copy of the above-referenced Commission order recently entered in the subject case. Letter pertaining to conditions of approval and maximum allowable to follow.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x
 Artesia OCC
 Aztec OCC
 State Engineer x

Other _____



SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico
October 11, 1967

Case 3692

Re: Application for Injection Expansion
Lovington Paddock Unit
Lea County, New Mexico

New Mexico Oil Conservation Commission
State Land Office Building
P.O. Box 2088
Santa Fe, New Mexico

Dear Sirs:

This is an application for administrative approval to expand the Skelly Oil Company's Lovington Paddock Unit water injection system by converting seven producing wells to water injection. This unit was established by the Oil Conservation Commission Order No. R-3124 issued on September 30th, 1966. In the original application, 22 injection wells were approved, but 19 were to be used initially with the remaining three to be added when suitable cross-line agreements could be arranged. It was anticipated that 9,000 barrels per day would be injected into the 19 wells initially converted.

Injection commenced in December, 1966 at an average rate of 9,000 barrels per day. The injection rate has declined to a daily average now of about 5,500 barrels per day. The maximum safe design pressure of the injection plant is being maintained. No response to injection has been experienced anywhere in the unit, as of this time.

Skelly desires to inject 9,000 barrels of water per day into the reservoir; therefore, we are requesting approval to convert the following wells to water injection:

Township 16 South, Range 36 East
Unit Well No. 4, Unit M, Section 25
Unit Well No. 6, Unit O, Section 25
Unit Well No. 44, Unit O, Section 35

Township 17 South, Range 36 East
Unit Well No. 73, Unit M, Section 1
Unit Well No. 80, Unit G, Section 12

Township 16 South, Range 37 East
Unit Well No. 8, Unit M, Section 30

Township 17 South, Range 37 East
Unit Well No. 70, Unit M, Section 6

OCT 16 1967
DOCKET MAILED

Date 11-16-67

ML

WHITE, GILBERT, KOCH & KELLY
(GILBERT, WHITE AND GILBERT)

ATTORNEYS AND COUNSELORS AT LAW
LINCOLN BUILDING

SANTA FE, NEW MEXICO 87501

CARL H. GILBERT (1891-1963)

L. C. WHITE

WILLIAM W. GILBERT

SUMNER S. KOCH

WILLIAM BOOKER KELLY

JOHN F. MCCARTHY, JR.

November 21, 1967

POST OFFICE BOX 787

TELEPHONE 982-4301
(AREA CODE 505)

New Mexico Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Re: Skelly Oil Company Injection System
Expansion, Lovington Paddock Unit,
Lea County, New Mexico

Gentlemen:

Please enter our appearance as local counsel for Skelly Oil Company
in the above captioned application which is scheduled for hearing
on November 29, 1967.

Very truly yours,

L. C. WHITE

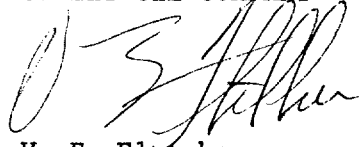
LCW:el

New Mexico Oil Conservation Commission
Lovington Paddock Unit - 10-11-67

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Attached is a map showing all wells in a two mile radius, a unit plat showing injection wells and proposed injection wells, schematic diagrams of the proposed injection wells, partial copies of logs on the proposed injection wells, and forms C-116 on the wells in accordance with Rule 701-B and 701-E-5, as stated above no response has been experienced; therefore, only one C-116 is included, reflecting the current producing ability of the wells.

Very truly yours,
SKELLY OIL COMPANY



V. E. Fletcher
District Superintendent

BOB/bh

ATTACHMENTS

P.S. Notices have been sent to the following:

1. State Engineer's Office-Application and all exhibits.
2. Offset Operators (as per Attachment)-Application and plat of Unit.
NOTE: No waiver of objection was requested from offset operators.