



SHELL OIL COMPANY

P. O. Box 1858
Roswell, New Mexico

November 10, 1964

RECEIVED
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2781

Subject: Waterflood - Black Lease
Langlie Mattix Field
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico

Attention Mr. J. D. Ramey

Gentlemen:

Attached are several plats of our Black lease waterflood as covered by Commission Order No. R-2747. Injection of water on this project began on November 2, 1964, into Black WIW No. 7 and Black WIW No. 6. Water injection will be started on the two remaining injection wells as they are completed.

We will be happy to furnish any additional information concerning this waterflood that you may require.

Yours very truly,

Original Signed by
J. H. DWYER

T. H. Dwyer
Division Production Manager

Attachments

cc: N.M.O.C.C.,
P. O. Box 2088
Santa Fe, New Mexico w/attachments



Case 3081
STATE ENGINEER OFFICE

STATE OF NEW MEXICO MON JUL 22 PM 1 18

STATE ENGINEER OFFICE
SANTA FE

S. E. REYNOLDS
STATE ENGINEER

July 21, 1964

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Shell Oil Company which seeks permission of the Oil Conservation Commission to inject water into four injection wells in Sec. 21, T. 24 S., R. 37 E. The subject wells are:

Shell WIW No. 4
Shell WIW No. 5
Shell WIW No. 6
Shell WIW No. 7

On July 1, 1964, I requested additional information from Richard S. Morris, attorney for Shell and he has furnished that information. The additional information is in the form of a diagrammatic sketch for each of the four above mentioned wells. Mr. Morris and the representative of Shell Oil Company assured me that this four sketches would be entered as exhibits at the hearing on July 22nd.

After reviewing the construction of the wells and the equipment to be used in them, it appears that no threat of contamination to any fresh waters which may exist in the area will occur, provided the plans are followed. Therefore, this office offers no objection to the granting of this application, provided the well construction and equipment used in the injection conform to the diagrammatic sketches submitted to me.

Yours truly,

FEI/ma
cc-Shell Oil Co.
Richard S. Morris
F. H. Hennighausen

S. E. Reynolds
State Engineer

By: *Frank E. Irby*
Frank E. Irby, Chief
Water Rights Division

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission



STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

P. O. BOX 2088
SANTA FE
87501

Mr. Richard S. Morris
Seth, Montgomery, Federici & Andrews
Attorneys at Law
Post Office Box 2307
Santa Fe, New Mexico

_____, 19____

Gentlemen:

Enclosed herewith is Commission Order No. R- 2747, entered in Case No. 3081, approving the Shell Oil Company Langlie Mattix Black Water Flood Project.

par - *As to allowable, our calculations indicate that*
~~According to our calculations,~~ when all of the authorized injection wells have been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 182 barrels per day.

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 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,

cc's to
OCC - Hobbs
Mr. Frank Irby

A. L. PORTER, Jr.
Secretary-Director

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

July 29, 1964

Mr. Richard S. Morris
Seth, Montgomery, Federici & Andrews
Attorneys at Law
Post Office Box 2307
Santa Fe, New Mexico

Dear Sir:

Enclosed herewith is Commission Order No. R-2747, entered in Case No. 3081, approving the Shell Oil Company Langlie-Mattix Black Waterflood Project.

Injection is to be through the four authorized injection wells which shall be equipped with 4½ inch casing set at the base of the Queen formation and cemented back above the Jalmat pay. Said wells are also to be equipped with packers set below the top of the Langlie-Mattix Pool and with plastic-coated tubing.

As to allowable, our calculations indicate that when all of the authorized injection wells have been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 182 barrels per day.

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

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

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Mr. Richard S. Morris
Seth, Montgomery, Federici & Andrews
Post Office Box 2307
Santa Fe, New Mexico

notify 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

Enclosure

ALP/DSN/ir

cc: Oil Conservation Commission
Hobbs, New Mexico

Mr. Frank Irby
State Engineer Office
Santa Fe, New Mexico

MAIN OFFICE OCC

1964 JUL 6 AM 7:43

July 1, 1964

Case File 3081

Mr. Richard S. Morris
Attorney at Law
350 E. Palace Avenue
Santa Fe, New Mexico

Dear Mr. Morris:

Reference is made to the application of Shell Oil Company which seeks permission of the Oil Conservation Commission to inject water into four injection wells in Sec. 21, T. 24 S., R. 37 E., a copy of which I received June 30, 1964. The subject wells are:

Shell WIW No. 4
Shell WIW No. 5
Shell WIW No. 6
Shell WIW No. 7

The attachment titled "Injection Well Detail" indicates that in each well 7 5/8 inch casing was set at 250' with 250 sacks of cement and that the top of the cement is at 2500'. I am unable to understand this and would appreciate clarification of it.

The attachment labeled "Diagrammatic Sketch of Proposed Injection well" fails to show the following items required by Oil Conservation Commission Rule 701-B-3: quantities used and tops of cement; perforation interval; setting depth of tubing; type and location of packers.

Unless clarification and completion of the information submitted is forthcoming, it will be my duty to object to the granting of the application.

I would like a statement from Shell Oil Company that an analyses of the water to be used for injection, which is to be

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obtained from the Santa Rosa formation, will be forwarded to me as early as possible after the completion of the water well.

Yours truly,

S. E. Reynolds
State Engineer

By:
Frank E. Irby
Chief
Water Rights Division

FEI/ma
cc-Oil Conservation Commission
Mr. T. H. Dwyer

C
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September 16, 1964

Shell Oil Company
P. O. Box 1858
Roswell, New Mexico

Attention: Mr. T. H. Dwyer

Administrative Order NSL-334

Gentlemen:

Reference is made to your application for approval of an unorthodox location for your WIW Well No. 4 to be utilized as a water injection well under the provisions of Order No. R-2747 to be located 5 feet from the South line and 1340 feet from the West line of Section 21, Township 24 South, Range 37 East, NMPM, Langlie-Mattix Pool, Lea County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Commission Rules and Regulations, you are hereby granted an exception for the above-described unorthodox well location.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JMD/ser

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs