



December 6, 1966

New Mexico Oil Conservation Commission (4)

P. O. Box 2088

Santa Fe, New Mexico

WFX-246

Attention: Mr. A. L. Porter, Jr.

Re: Swearingen Waterflood Project

Shugart Pool

Eddy County, New Mexico

New Mex 22

Gentlemen:

In accordance with Order No. R-2969, concerning the Swearingen Waterflood Project in Eddy County, New Mexico, Atlantic Richfield Company requests approval to expand the project by drilling an additional well to be used for water injection. The location of this proposed well (see attached plat) is 990' FSL and 990' FWL, Section 14, Township 18 South, Range 31 East. It is planned to set and cement 4-1/2" casing and inject into the Queen formation through perforations. The injection is planned to be down 2-3/8" O.D. tubing with a packer set less than 100' above the perforations. The injection rate is expected to be about 300 BWPD at a surface pressure of 1500 psig. Fluid treated to prevent corrosion will be placed in the annulus.

Some 120 acres in the southwest part of Section 14 is undeveloped and the proposed injection well is needed to sweep secondary reserves in the area to existing producers. The oil thus produced can not be recovered by any existing flood pattern, consequently waste will be prevented.

We would appreciate approval of this request at your earliest convenience. Please forward a copy of your approval letter to the United States Geological Survey. Upon receipt of your approval we will submit the proper drilling permits for approval.

Yours very truly,

W. P. Tomlinson

WPT:JLT:jcb

cc: U.S.G.S., Artesia
State Engineer, Santa Fe
Marathon Oil Co., Hobbs
Gulf Oil Corp., Roswell

Pan American, Hobbs
Hudson and Hudson, Fort Worth



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

December 12, 1966

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 Atlantic Richfield Company, dated December 6, 1966, which requests approval to expand their Swearingen Waterflood Project by drilling and using an additional injection well in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 14, T. 18 S., R. 31 E.

Provided conditions 1, 2, 3 and 4 set forth in your letter of September 28, 1965 pertaining to your Order No. R-2969 are incorporated in approval of this expansion, this office offers no objection to the granting of the application.

FEI/ma
cc-Atlantic Richfield Co.
F. H. Hennighausen

Yours truly,

S. E. Reynolds
State Engineer

By: *Frank E. Irby*
Frank E. Irby
Chief
Water Rights Div.



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

December 12, 1966

ADDRESS CORRESPONDENCE TO
STATE CAPITAL
SANTA FE, N.M.

STATE ENGINEER
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 Atlantic
Richfield Company, dated December 6, 1966, which
requests approval to expand their Swearing Waterflood
project by drilling and using an additional injection well
in the SW $\frac{1}{4}$ of Sec. 14, T. 18 S., R. 31 E.

provided conditions 1, 2, 3 and 4 set forth in your letter
of September 28, 1965 pertaining to your Order No. R-2989
are incorporated in approval of this expansion, this office
offers no objection to the granting of the application.

Yours truly,

S. E. Reynolds
State Engineer

W. H. Hennighausen
Atlantic Richfield Co.

By: *[Signature]*
Frank E. Irby
Chief
Water Rights Div.

SF

OIL CONSERVATION COMMISSION
Artesia DISTRICT

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 12-12-66

Re: Proposed NSP _____

Proposed NWU _____

Proposed NSL _____

Proposed NEO _____

Proposed DC _____

Gentlemen:

WFX Dec 12 - 22 - 66

I have examined the application dated 12-6-66
for the Atlantic Richfield 990 FSL 990 FWL 14-18-31
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

No objections to the subject application.

Yours very truly,

P. L. Stamp

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE