AtlanticRichfieldCompany
North American Producing Division
New Mexico-Arizona District
P.O. Box 1710
Hobbs, New Mexico 88240
Telephone 505 393 7163

June 10, 1977

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. J. D. Ramey

Re: Commencement of water injection into the injection wells in the Atlantic Richfield State Vacuum Unit Waterflood in Sections 29, 31 & 32, T-17-S, R-34-E Lea County, New Mexico

File

Dear Sir:

On June 6, 1977, Atlantic Richfield commenced injecting water into the injection wells in the Atlantic Richfield State Vacuum Unit Waterflood. Permission was granted for this waterflood project on the 12th day of October, 1976, Case Number 5762, Order Number R-5295.

If further information is needed, please advise.

Yours very truly,

L. C. Hudry

L. C. Hudry

LCH:rm

cc: New Mexico Oil Conservation Commission
Hobbs, New Mexico
Attn: Mr. J. Sexton

Mr. Jerry Tweed-Midland

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

January 24, 1977

COPY

Atlantic Richfield Company
P. O. Box 1610
Midland, Texas 79701

Re: Emergency Holding Pits
State Vacuum Unit
Vacuum G-SA Pool
Lea County, New Mexico

Attn: Mr. D. G. Chancey

Gentlemen:

Reference is made to your letter dated November 3, 1976, wherein you requested a permit to construct a nylon-reinforced neoprene lined emergency holding pit at the tank battery and automatic custody transfer system installed on your State Vacuum Unit, Vacuum Grayburg-San Andres Pool, Lea County, New Mexico.

Atlantic Richfield Company is hereby authorized to construct and utilize the above described pit as proposed subject to the following provisions:

(1) The automatic custody transfer system's available storage capacity above the normal high working level of the surge tank shall be maintained at at least 750 barrels. (This is in accordance with the provisions of ACT Permit No. I-574.)

(2) The oil overflow lines to the pit shall not be connected to the surge tank until the pump (Item 222 on Drawing No. E-P-429) has been installed and is operative.

(3) The 3-inch line labeled "Future Inlet" on Drawing No. E-P-429 shall not be connected without prior approval from this office.

(4) No deliberate flow of oil into the pit shall be permitted.

(5) At any time an emergency situation occurs, causing oil to overflow into the emergency holding pit, the Hobbs District Office of the Commission shall be immediately notified. All oil shall be removed from the pit within 12 hours after the LACT resumes pipe line shipments.

It is the Commission's belief that the system as proposed, if operated in accordance with the above provisions, is in the best interest of conservation and will prevent waste. Further, that if proper attention and maintenance is given the system, and if immediate evacuation of the pit is made after use, that it will be environmentally beneficial.

The Commission reserves the right to rescind this approval if it appears that excessive or negligent use is being made of the pit.

Very truly yours,

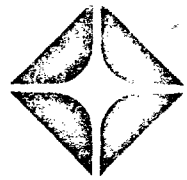
JOE D. RAMEY
Director

JDR/DSN/fd

cc: OCC Hobbs (with application)
Case File No. 5762

enc.

AtlanticRichfieldCompany
North American Producing Division
Permian District
Post Office Box 1610
Midland, Texas 79701
Telephone 915 682 8631



November 3, 1976

Mr. Dan S. Nutter
Chief Geologist
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Nutter:

Case file 5762

Atlantic Richfield Company, as operator of the State Vacuum Unit, requests a permit to construct one nylon reinforced neoprene lined emergency holding pit at the consolidated battery site of the State Vacuum Unit. This pit will be located at approximately the center of the west half (W/2) of Section 32, T-17S, R-34E, Lea County, New Mexico.

Three sets of drawings showing the details, location, and capacities of the proposed lined pit are attached to and made a part of this application. The drawing is entitled E-P-429, Emergency Holding Pit, Water Injection Plant and Central Tank Battery, State Vacuum Unit Waterflood.

A brief description of how the emergency holding pit will be utilized in our operations is set out below.

The lined pit will be kept empty to insure sufficient capacity for emergency overflow from three 500-barrel LACT surge tanks and two 500-barrel water tanks. All tanks and treating vessel drains will also be connected to this lined pit. As soon as any system malfunction has been corrected, the pit will be emptied by pumping the water to the produced water tank for injection and the oil back through the oil treating system for sale to the pipeline by the LACT unit. Any basic sediment or non-pipeline oil that might enter the pit will be sold to a reclaiming company so that the pit can be kept empty for emergency use.

The oil surge tanks areequipped with an overflow line to the proposed lined pit so that in the event of a malfunction of the LACT or the oil treating vessels, oil will be flowed to the lined pit instead of onto the battery site which would create a serious fire hazard, a safety hazard to the operating personnel, a major clean-up operation, and would cause the waste of New Mexico's natural resources.

The water tanks are equipped with an overflow line to the proposed lined pit so that in the event of a malfunction of the oil treating vessels or a malfunction of the supply water tank's high level shut-down valve, the fluid will flow to the lined pit instead of onto the plant site, causing pollution and necessitating a major clean-up operation.

The nylon reinforced neoprene lines will be purchased from Misco Supply Company, Wichita, Kansas. Atlantic Richfield has used many of these liners in Kansas, Oklahoma, and in the Empire Abo Unit in New Mexico with success. This liner was recommended by Atlantic Richfield's Research Center Chemical Engineering section after tests were made to determine its resistance to saturated hydrocarbon fluids and chemical and acid wastes. Copies of Misco's specifications for the nylon reinforced neoprene liner are attached.

As operators of the Unit, we hope we do not have to use the emergency holding pit but we do feel that the installation of the pit will be environmentally beneficial and in the best interest of conservation and the prevention of waste.

If any additional information is required by the Commission we will furnish it to you.

Very truly yours,

D. G. Chancey

DGC/agp

MISCO BUILDING • WICHITA, KANSAS 67202 • PHONE (316) 265-6641

MISCO SUPPLY CO.
Division of MISCO INDUSTRIES, INC.
FORMERLY MOUNTAIN IRON & SUPPLY COMPANY

SPECIFICATIONS FOR NYLON REINFORCED NEOPRENE

	MN-21
Total weight, oz./sq.yd.	16.0
Gauge, inches	.021
Kind of coating	Neoprene
Coating distribution	50/50
Base fabric: fiber	Nylon
weight, oz./sq.yd.	5.1
count	22 x 22
denier	840
Grab tensile, lbs./in.	450 x 375
Mullen burst, lbs./sq.in.	825
Hydrostatic, lbs./sq.in.	750
Tongue tear, lbs.	40 x 40
Adhesion of coating, lbs./in.	20
Low Temp. Res., 1/8 in. mandrel	-40°F
30° flame time, seconds	15[2]
Abrasion Res., Taber, cycles	300[2]
Abrasion Res., duPont Scrub, cycles	2500[2]

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

October 13, 1976

Re: CASE NO. 5762
ORDER NO. R-5295

Applicant:

Atlantic Richfield Company

Mr. Clarence Hinkle
Hinkle, Bondurant, Cox
& Eaton
Attorneys at Law
Post Office Box 10
Roswell, New Mexico 88201

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Yours very truly,

JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCC x
Artesia OCC x
Aztec OCC

Other