

PETROLEUM CORPORATION OF TEXAS

P. O. BOX 911

BRECKENRIDGE, TEXAS 76024

December 9, 1968

*Ce 4006*

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

Re: Paton Federal #2  
Unit N. Sec. 6,  
T18S, R27E, Red  
Lake Field, Eddy  
County, New Mexico

Gentlemen:

Please set for hearing our application to begin water injection into the above well and to commence secondary recovery operations on our leases in Sections 5 and 6, T18S, R27E - outlined in yellow on the attached plat.

Cooperation with Atlantic Richfield's proposed water flood program to the south will be maintained.

Produced water from the adjoining leases will be injected into Paton Federal #2 to begin with. Additional wells will be put on injection as offset producing wells respond.

Attached are Form C-108 (in triplicate), a diagrammatic sketch, a copy of a portion of the log, and a plat of the area for Paton Federal #2.

Very truly yours,



T. A. Ford  
Manager of Production

PCT/TAF:jde  
Attachments

cc: Atlantic Richfield Company  
Box 1978  
Roswell, New Mexico 88201

Mr. John H. Trigg  
110 E. 3rd  
Roswell, New Mexico 88201

Standard of Texas  
Box 1660  
Midland, Texas 79701

Department of the Interior  
USGS  
Roswell, New Mexico 88201

DOCKETED

Date 12-17-68



Page 2.  
December 9, 1968  
Re: Paton Federal #2

cc: State Engineer Office  
Capitol Building  
Santa Fe, New Mexico 87501

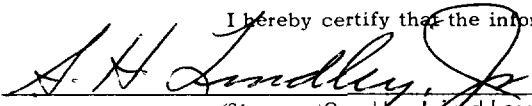
Stephenson, Campbell & Olmsted  
P. O. Box 877  
Santa Fe, New Mexico 87501

NEW MEXICO OIL CONSERVATION COMMISSION  
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Petroleum Corporation of Texas		ADDRESS Box 911, Breckenridge, Texas 76024	
LEASE NAME Paton Federal	WELL NO. 2	FIELD Red Lake	COUNTY Eddy
LOCATION UNIT LETTER <u>N</u> ; WELL IS LOCATED <u>330</u> FEET FROM THE <u>S</u> LINE AND <u>2990</u> FEET FROM THE <u>E</u> LINE, SECTION <u>6</u> TOWNSHIP <u>18 S</u> RANGE <u>27 E</u> NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8-5/8"	917	300	Surface	Circulation
INTERMEDIATE	None				
LONG STRING	5-1/2	1756	125	905'	Temp. Log.
TUBING	2-3/8"	1650	NAME, MODEL AND DEPTH OF TUBING PACKER Tension Type		
NAME OF PROPOSED INJECTION FORMATION San Andres			TOP OF FORMATION 1100'		BOTTOM OF FORMATION Unknown
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Cement Lined Tubing		PERFORATIONS OR OPEN HOLES? Perforations		PROPOSED INTERVAL(S) OF INJECTION 1662-67' and 1692-99'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil Producer			HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 1712-26' 150sx. squeeze 6-18-60					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Approx. 800'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 1712	
ANTICIPATED DAILY INJECTION VOLUME (BBLS.) 50 B/D	MINIMUM 500 B/D	MAXIMUM 500 B/D	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 800 max.
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - Yes			WATER TO BE DISPOSED OF Produced	NATURAL WATER IN DISPOSAL ZONE some	ARE WATER ANALYSES ATTACHED? No
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Federal Land					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
Atlantic Richfield Company, Box 1978, Roswell, New Mexico 88201					
John H. Trigg, 110 East 3rd, Roswell, New Mexico 88201					
Standard of Texas, Box 1660, Midland, Texas 79701					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA Yes		ELECTRICAL LOG Yes	
				THE NEW MEXICO STATE ENGINEER Yes	
				DIAGRAMMATIC SKETCH OF WELL Yes	

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
(Signature) S. H. Lindley, Jr.

Engineer - Secondary Recovery  
(Title)

December 10, 1968  
(Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

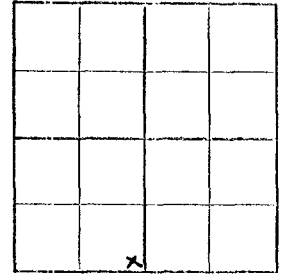
Well

P L A N - O - G R A M

18-S 27-E

Company Petroleum Corporation of Texas

Well No. 2 Lease Paton Federal



8-5/8" set @ 917' with 300 sx Cement. Cement circulated to surface.

No intermediate string of casing.

2-3/8" EUE tubing, cement lined.

Tension type packer set @ 1650'.

Perfs @ 1662' to 1667'

Perfs @ 1692' to 1699'

PBTD 1703'

Perfs @ 1712' to 1726'. Squeezed off 6-18-60.

5-1/2" casing set @ 1756' with 125 sx. Top cement @ 905' from Temp. Log. Cement inside 8-5/8" surface casing

TD 1757'