

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Atlantic Richfield Company		ADDRESS P. O. Box 1610, Midland, Texas	
LEASE NAME State 'F' TG	WELL NO. 5	FIELD Vacuum-Grayburg-San Andres	COUNTY Lea
LOCATION UNIT LETTER A ; WELL IS LOCATED 990 FEET FROM THE North LINE AND 660 FEET FROM THE Fast LINE, SECTION 36 TOWNSHIP 17 RANGE 33 NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	DEPTH DETERMINED BY
SURFACE CASING	8-5/8'	1520'	700 sx.		
INTERMEDIATE					
LONG STRING	5-1/2'	4573'	400 sx.		
TUBING	2-3/8'	4500'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Tension Packer		
NAME OF PROPOSED INJECTION FORMATION San Andres			TOP OF FORMATION 4550'	BOTTOM OF FORMATION 4682'	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Open Hole	PROPOSED INTERVAL(S) OF INJECTION 4573-4682'		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Producer			HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 300-400 feet		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 2900'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 3850'	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 30	MINIMUM 30	MAXIMUM 100	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 1500
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 -		WATER TO BE DISPOSED OF Yes		NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? No
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Scharbauer Cattle Company, P. O. Box 1471, Midland, Texas 79701					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Phillips Petroleum Company, Phillips Building, Odessa, Texas 79760					
Kincaid & Watson Drilg. Co., P. O. Box 498, Artesia, New Mexico 88210					
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.

District Engineer**August 18, 1975**

(Signature)

(Title)

(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.



Subject: Wellbore Diagram
Well Name: State "F" TG No. 5
Operator: Atlantic Richfield Field: Vacuum-Grayburg-
Location: 990'FNL&660'FEL, Sec. 36, 17S, 33E San Andres

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By R. M. Malaise

Date 8-13-75

Elevation: 4105' GL, 4114' DF, RKB

TD: 4682' PBD:

Producing Zone(s): San Andres

Casing Program

	8-5/8"	5 1/2"
2-3/8" OD tubing - inter-	47	130
nally plastic coated.	NA	NA
Injecting 100 bbls pro-	J-55	J-55
duced (San Andres) salt	24#	14#
water per day from the	NA	NA
State "E" & "F" TG leases	1520'	4573'
Chemically treated water	700 sx.	400 sx.
in casing-tubing annulus		
	OH 4573-4682'	
	(109')	

LIST:

- OD, inches
- No. of jts.
- Length
- Grade
- Range
- Thread
- Setng. Depth
- Sx of cmt, TOC
- Open hole size & length (if applicable)

Producing Interval(s)

NA

8000 gals. acid

36BOPD + 30BWPD

San Andres

Open Hole Section

4573-4682'

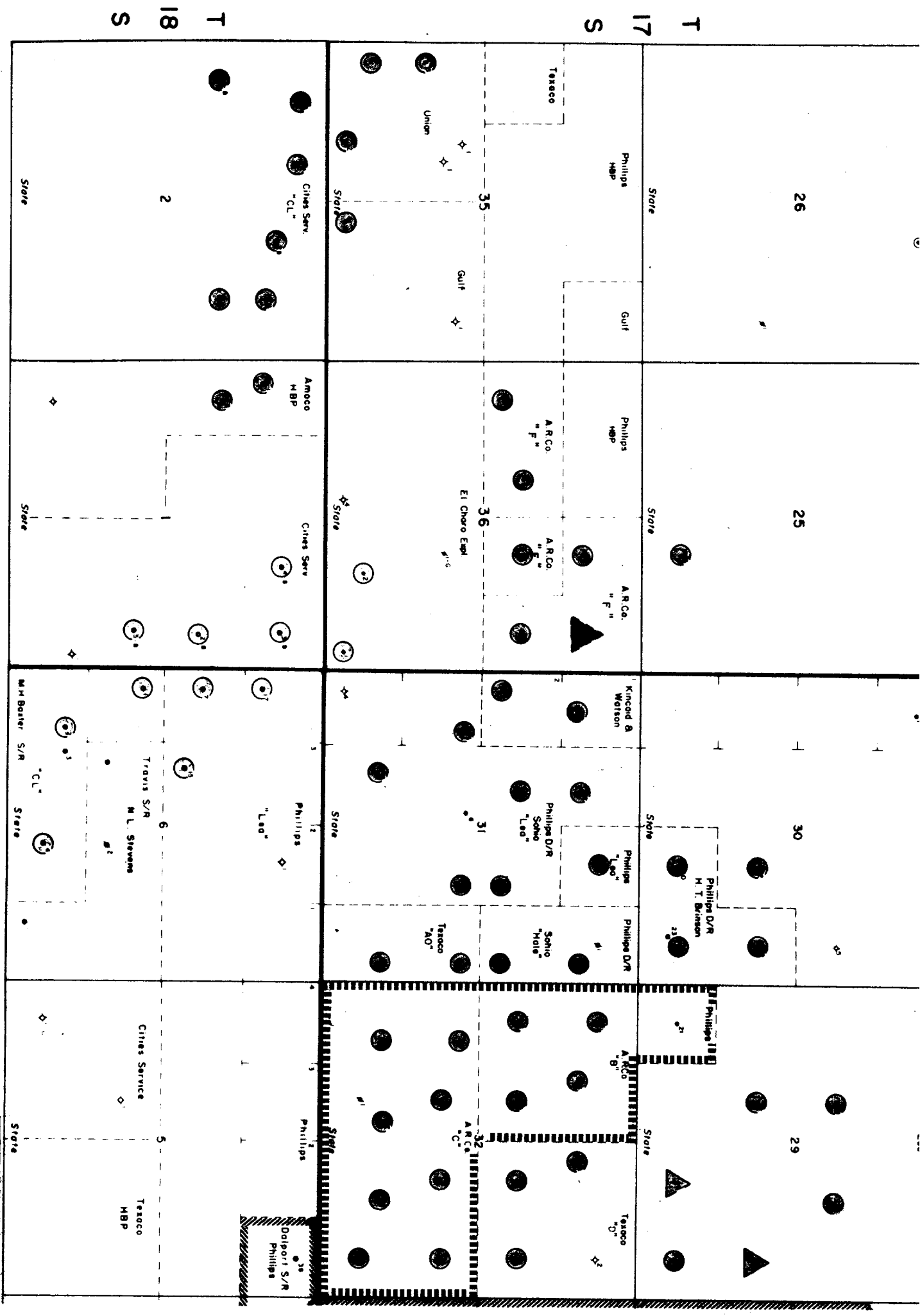
Pumping

LIST:

- Perfs, nbr & size.
- Treatment(s)
- Potential
- Multiple Completions? Describe in-hole equip.
- Prod. Method

Spud Date: 12-21-55

Completion Date: 1-27-56



PROPOSED INJECTION WELL

QUEEN PRODUCER

VACUUM GRAYBURG
SAN ANDRES FIELD
LEA COUNTY, NEW MEXICO

100-211,000

100-211,000

100-211,000
100-211,000