PHILLIPS PETROLEUM COMPANY
ODESSA, TEXAS 79760
PHILLIPS BUILDING, FOURTH & WASHINGTON

EXPLORATION & PRODUCTION DEPARTMENT

June 14, 1972

Reply to:

T. Harold McLemore
(915) 337-8611, Ext. 257

7-5: Philmex No. 9 --
Application to Convert to
Salt Water Disposal--Vacuum
(Grayburg/San Andres) Field,
Lea County, New Mexico

File: W2-Ed-399-72

SWD-126
Due July 4

New Mexico Oil Conservation Commission (3)
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Secretary-Director

Gentlemen:

We respectfully request administrative approval for the conversion of our Philmex No. 9 (Unit B--26-17-S-33-E) to salt water disposal in the lower portion of the San Andres formation under provisions of Order No. 4 of NMOCC Order No. R-3079 dated June 15, 1966. The Philmex No. 9 was completed in the Vacuum (Grayburg/San Andres) Field in May, 1963, for IPP of 19 BOPD and 1 BWPD through perforation intervals from 4542' to 4695'. This well has been shut down since June, 1970, when production declined to less than 1 BOPD with 2 BWPD. This 4542-4695' completion interval will be squeezed with 100 sacks of cement prior to conversion to salt water disposal service. It is proposed to perforate lower portions of the San Andres formation from 4960' to 5090' and dispose of produced water from various Phillips' operated leases in this area, including the Leamex and Philmex leases. The proposed salt water disposal interval is 250+' below the estimated San Andres zone oil-water contact in this area (4700') and is 250+' above the top of the Glorieta formation (6060').

We attach Form C-108 "Application to Dispose of Salt Water by Injection into a Porous Formation", a diagrammatic sketch of the casing and proposed completion of Philmex No. 9, an area plat identifying offset operators, as well as individual well completion data, copies of letters requesting waivers from all offsets and from the surface land lessee, and an electric log with pertinent data thereon.

Your early consideration of this proposal subject to the receipt of the requested waivers or of the 15-day protest waiting period will be appreciated.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

F. F. Lovering

F. F. Lovering, Manager
Southwestern District

HM:rm
Attach.

cc: New Mexico Oil Conservation Commission, Hobbs, New Mexico
Attach.

Form C-108
Revised 3-1-68

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR		ADDRESS	
Phillips Petroleum Company		Room 711, Phillips Bldg., Odessa, Texas 79761	
LEASE NAME	WELL NO.	FIELD	COUNTY
Philmex	9	Vacuum (Grayburg/San Andres)	Lea

LOCATION

UNIT LETTER B ; WELL IS LOCATED 660 FEET FROM THE north LINE AND 1980 FEET FROM THE east LINE, SECTION 26 TOWNSHIP 17-S RANGE 33-E NMPM.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	335'	375	Circ.	--
INTERMEDIATE	8-5/8"	4664'	600	2800'	Temp. Survey
LONG STRING	5-1/2"	11479'	1071	3000'	Temp. Survey
TUBING	2-3/8"	4850'	NAME, MODEL AND DEPTH OF TUBING PACKER: Baker Model "AD" at 4850'		

NAME OF PROPOSED INJECTION FORMATION	TOP OF FORMATION	BOTTOM OF FORMATION
San Andres	4623'	6060'

IS INJECTION THROUGH TUBING, CASING, OR ANNULUS?	PERFORATIONS OR OPEN HOLE?	PROPOSED INTERVAL(S) OF INJECTION
Tubing	Perf.	4960'-5010' and 5070-5090'

IS THIS A NEW WELL DRILLED FOR DISPOSAL?	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?	HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE?
No	Oil	Yes

LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH

11,334-11,392' - 40 sxs. 10,878-10,894' - BP & 1 sx. 6164-6236' - 50 sxs. 4542-4695' 100 sxs
10,415-10,416' -277 sxs. 10,662-10,672' - 50 sxs. 4872-4876' - 114 sxs.

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA	DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA
250'	4695'	8900'

ANTICIPATED DAILY INJECTION VOLUME (BBLS.) MINIMUM	MAXIMUM	OPEN OR CLOSED TYPE SYSTEM	IS INJECTION TO BE BY GRAVITY OR PRESSURE?	APPROX. PRESSURE (PSI)
200	800	Closed	Gravity	--

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	NATURAL WATER IN DISPOSAL ZONE	ARE WATER ANALYSES ATTACHED?
	Yes	Yes	No

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) State Lease #B-2229

George Williams, 207 Avenue B, Lovington, New Mexico 88260 - Lessee

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (½) MILE OF THIS INJECTION WELL

Richmond Drilling Company, Box 1547, Midland, Texas 79701

(Phillips operates all other offsetting acreage which is leased.)

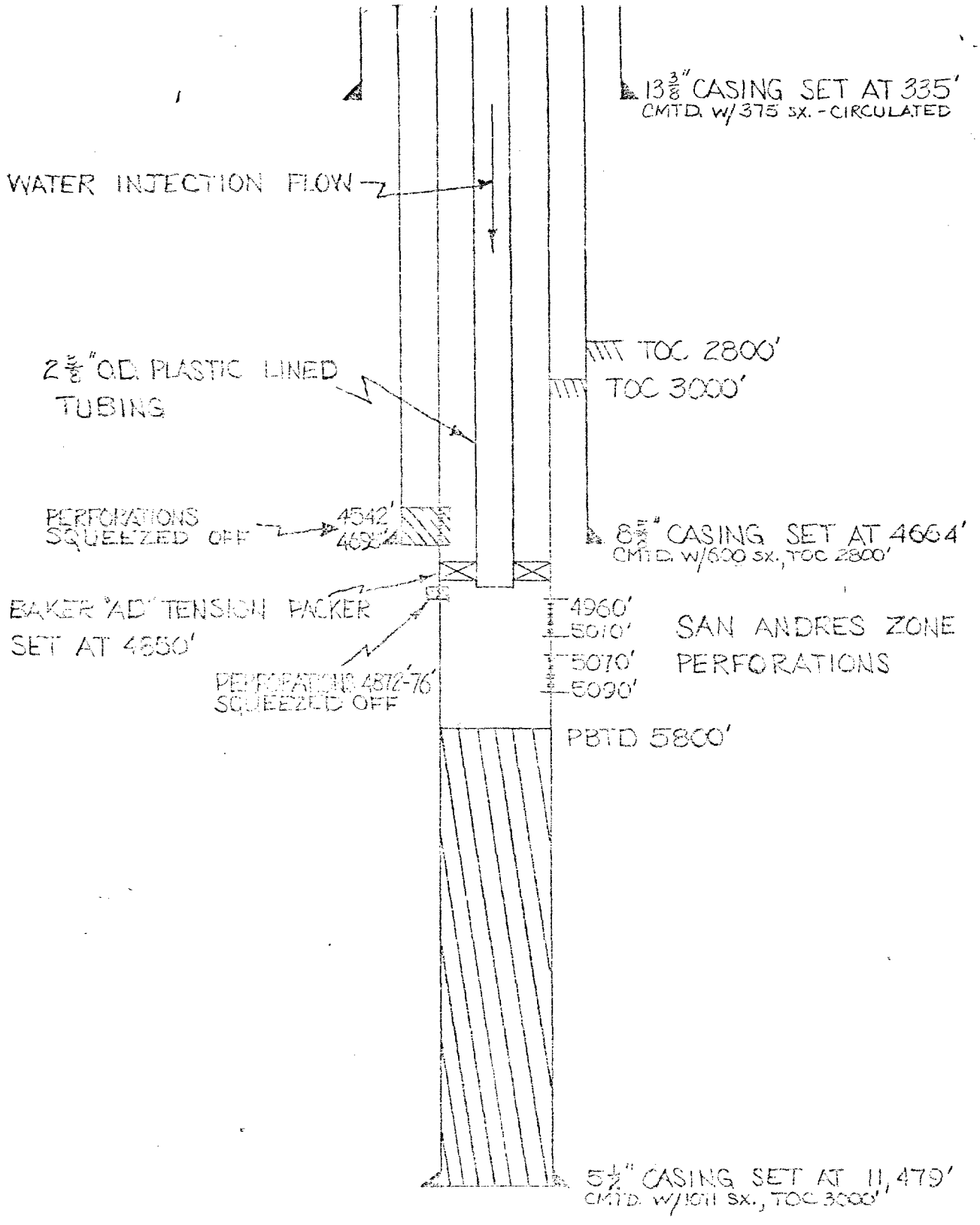
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL
	Yes	Yes

ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA	ELECTRICAL LOG	DIAGRAMMATIC SKETCH OF WELL
	Yes	Yes	Yes

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

D. J. Fisher — D. J. Fisher (Signature) — Associate Reservoir Engineer (Title) — June 13, 1972 (Date)

NOTE: Should waivers from 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.



NO.	REVISION	BY	DATE	CHKD	APP'D

FOR BIDS	PHILLIPS PETROLEUM COMPANY BARTLESVILLE, OKLAHOMA	AFE NO.	FILE CODE
FOR APPR			
FOR CONST	PHILMEX NO. 9 SEC. 26, T-17-S, R-33-E LEA COUNTY, NEW MEXICO	SCALE NONE UNLESS OTHERWISE NOTED	
DESIGN		DWG NO.	
DRAWN RBB 6-72			
CHECKED		SH NO.	
APP'D			

FORM 1779 12-71

PHILLIPS PETROLEUM COMPANY
ODESSA, TEXAS 79760
PHILLIPS BUILDING, FOURTH & WASHINGTON

EXPLORATION & PRODUCTION DEPARTMENT

June 13, 1972

Reply to:

T. Harold McLemore
(915) 337-8611, Ext. 257

7-5: Philmex Well No. 9--
Conversion to Salt Water Disposal
Service--Vacuum (Grayburg/San Andres)
Field, Lea County, New Mexico

File: W2-Ed-397-72

Mr. George Williams
207 Avenue B
Lovington, New Mexico 88260

Dear Mr. Williams:

We respectfully request your waiver of objections to our proposal before the Oil Conservation Commission of New Mexico to convert our Philmex Well No. 9--located in Unit B, 660 feet FN and 1980 feet FE Lines, Section 26, T-17-S, R-33-E, Lea County, New Mexico--to salt water disposal service in the Lower San Andres zone of the Vacuum (Grayburg/San Andres) Field with injection interval between 4960' and 5090'.

Details of well equipment and completion data as well as the proposed salt water disposal procedure are given on our Form C-108 "Application to Dispose of Salt Water by Injection into a Porous Formation" which is attached.

Our records reflect that you are the surface lessee of the acreage on which the subject well is located; therefore, your waiver of objections, by the execution hereof in the space provided, will be appreciated. Kindly mail the copies as indicated in their enclosed self-addressed and stamped envelopes.

Your early consideration will be appreciated.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

F. F. Lovering

F. F. Lovering, Manager
Southwestern District

THM:rm
Attach.

cc: New Mexico Oil Conservation Commission - (3), Santa Fe, New Mexico
- (1), Hobbs, New Mexico

Objections Waived: Mr. George Williams

By: _____

Date: _____

PHILLIPS PETROLEUM COMPANY
ODESSA, TEXAS 79760
PHILLIPS BUILDING, FOURTH & WASHINGTON

EXPLORATION & PRODUCTION DEPARTMENT

June 13, 1972

Reply to:

T. Harold McLemore
(915) 337-8611, Ext. 257

7-5: Philmex Well No. 9 --
Conversion to Salt Water Disposal
Service--Vacuum (Grayburg/San Andres)
Field, Lea County, New Mexico

File: W2-Ed-396-72

Richmond Drilling Company
P. O. Box 1547
Midland, Texas 79701

Gentlemen:

We respectfully request your waiver of objections to our proposal before the Oil Conservation Commission of New Mexico to convert our Philmex Well No. 9--located in Unit B, 660 feet FN and 1980 feet FE Lines, Section 26, T-17-S, R-33-E, Lea County, New Mexico--to salt water disposal service in the Lower San Andres zone of the Vacuum (Grayburg/San Andres) Field with injection interval between 4960' and 5090'.

Details of well equipment and completion data as well as the proposed salt water disposal procedure are given on our Form C-108 "Application to Dispose of Salt Water by Injection into a Porous Formation" which is attached.

Our records reflect that you operate offset acreage; therefore, your waiver of objections, by the execution hereof in the space provided, will be appreciated. Kindly mail the copies as indicated in their enclosed self-addressed and stamped envelopes.

Your early consideration will be appreciated.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

F. Lovering

F. F. Lovering, Manager
Southwestern District

THM:rm
Attach.

cc: New Mexico Oil Conservation Commission - (3), Santa Fe, New Mexico
- (1), Hobbs, New Mexico

Objections Waived: Richmond Drilling Company

By: _____

Date: _____

NMOCC-3
SF

RICHMOND DRILLING CO.

FIRST NATIONAL BANK BUILDING
PHONE 682-4012 P. O. BOX 1547
MIDLAND, TEXAS 79701

RECEIVED
JUN 19 1972
OIL CONSERVATION COMM
Santa Fe

June 15, 1972

Re: 7-5 Philmex Well No. 9
Conversion to Salt Water Disposal
Service-Vacuum Field,Lea County
Your File: Wl-Ed-396072

Mr. T. Harold McLemore
Phillips Petroleum Company
Odessa, Texas

Dear Mr. McLemore:

I have your letter of June 13th requesting a waiver from Richmond Drilling Company for the conversion to Salt Water Disposal Service of the Philmex Well #9 shown in the above caption.

It would seem that your map shows Richmond Drilling Company as the owner of an oil and gas lease on the SE/4 Sec. 22-17-33, near the west edge of the Vacuum Pool. Richmond Drilling Company drilled a well in the SW SE of Sec. 22 in either 1940 or 1941 and acquired title to the SE/4 thereby. This SE/4 was a farmout from Shell. We abandoned this well in either 1940 or 1941 and therefore lost any right we acquired to this oil and gas lease. I assume that Shell's rights also expired on the abandonment and the the SE/4 of Sec. 22 is now unleased state land.

Very truly,

E. E. Reigle

EER/rd

PHILLIPS PETROLEUM COMPANY
ODESSA, TEXAS 79760
PHILLIPS BUILDING, FOURTH & WASHINGTON

EXPLORATION & PRODUCTION DEPARTMENT

June 13, 1972

Reply to:

T. Harold McLemore
(915) 337-8611, Ext. 257

7-5: Philmex Well No. 9 --
Conversion to Salt Water Disposal
Service--Vacuum (Grayburg/San Andres)
Field, Lea County, New Mexico

File: W2-Ed-396-72

Richmond Drilling Company
P. O. Box 1547
Midland, Texas 79701

Gentlemen:

We respectfully request your waiver of objections to our proposal before the Oil Conservation Commission of New Mexico to convert our Philmex Well No. 9--located in Unit B, 660 feet FN and 1980 feet FE Lines, Section 26, T-17-S, R-33-E, Lea County, New Mexico--to salt water disposal service in the Lower San Andres zone of the Vacuum (Grayburg/San Andres) Field with injection interval between 4960' and 5090'.

Details of well equipment and completion data as well as the proposed salt water disposal procedure are given on our Form C-108 "Application to Dispose of Salt Water by Injection into a Porous Formation" which is attached.

Our records reflect that you operate offset acreage; therefore, your waiver of objections, by the execution hereof in the space provided, will be appreciated. Kindly mail the copies as indicated in their enclosed self-addressed and stamped envelopes.

Your early consideration will be appreciated.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

F. F. Lovering

F. F. Lovering, Manager
Southwestern District

THM:rm
Attach.

cc: New Mexico Oil Conservation Commission - (3), Santa Fe, New Mexico
- (1), Hobbs, New Mexico

Objections Waived: Richmond Drilling Company

By: Richmond Drilling Company claims no oiland gas lease rights to SW SE Sec. 22-17S-33E

Date: 6/15/72

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

January 27, 1988

Phillips Petroleum Company
4001 Penbrook
Odessa, TX 79762

Attention: L.M. Sanders

RE: Injection Pressure Increase
Maljamar SWD Well No. 1
Lea County, New Mexico

Dear Sir:

Reference is made to your request dated December 29, 1987, to increase the surface injection pressure on the Maljamar SWD Well No. 1. This request is based on a step rate test conducted on the well on October 6, 1987. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well.

WELL & LOCATION	MAXIMUM INJECTION SURFACE PRESSURE
Maljamar SWD Well No. 1 660 FNL & 1980 FEL (Unit B) Section 26, T-17 South, R-33 East, NMPM, Lea County, New Mexico	1570 PSIG

The Division Director may rescind this injection pressure increase it is becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay

WJL/DRC/ag

xc: OCD - Hobbs
D. McDonald
D. Catanach
File: SWD - 126

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