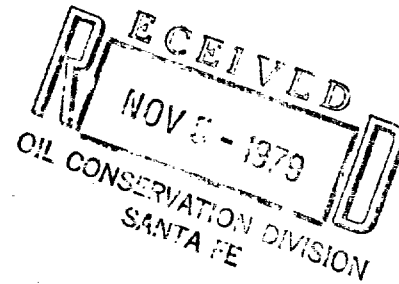


Energy Reserves Group, Inc.
P.O. Drawer 2437, Zip 79702
1509 West Wall Street
Midland, Texas
Phone 915 682 2591

 Energy Reserves Group

November 2, 1979



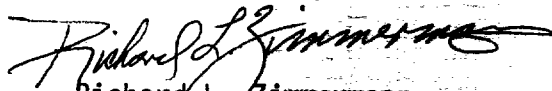
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Phillips Petroleum Company
Philmex No. 14 Well
Unit M, Sec. 28, Twp. 17-S, Rge. 33-E
Maljamar ~~Gb~~/San Andres Field
Lea County, New Mexico

Gentlemen:

Energy Reserves Group, Inc. as an offset operator, has no objections to the application of Phillips Petroleum Company to dispose of Salt Water in this well.

Yours very truly,


Richard L. Zimmermann
District Production Manager

RLZ/aw

cc: Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762
Attn: W. J. Mueller

NEW MEXICO OIL CONSERVATION COMMISSION (BY COPY HEREOF.)

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION
API NO. 30-025-23988

OPERATOR Phillips Petroleum Company		ADDRESS Room 401, 4001 Penbrook, Odessa, Texas 79762	
LEASE NAME Philmex	WELL NO. 14	FIELD Maljamar Gb/San Andres -	COUNTY Lea
LOCATION (Lower nonproductive San Andres)			
UNIT LETTER M		WELL IS LOCATED 569 FEET FROM THE South LINE AND 50-F FEET FROM THE	
West	LINE, SECTION 28	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	11-3/4"	376'	480	surface	circ 15 sxs
INTERMEDIATE	8-5/8"	shot off @ 1512' Bottom 4747'	750	2150'	No record
LONG STRING	5-1/2"	6609'	1420	surface	Circ 8 sxs
TUBING	2-7/8"	4800	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Locset @ 4800'		

NAME OF PROPOSED INJECTION FORMATION Lower San Andres - (non-productive)		TOP OF FORMATION 4365'	BOTTOM OF FORMATION 5850' (5500' *PBT)
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES? Perfs	PROPOSED INTERVAL(S) OF INJECTION 4830'-60'; 4928'-48'; 5050'-80'; 5180'-210'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Producer--Leamex Paddock		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 5944'-54', 5969'-82', 6132'-58', 6200'-20', 6275'-90', 6380'-90', 6440'-50': 100 sxs Class 'C' (Proposed)			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 350		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 4365	
DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 5944'		for all.)	
ANTICIPATED DAILY INJECTION VOLUME (BBL'S.) 100	MINIMUM 300	MAXIMUM closed	OPEN OR CLOSED TYPE SYSTEM Pressure
IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure		APPROX. PRESSURE (PSI) 2350 psi	
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 Yes	
NATURAL WATER IN DISPOSAL ZONE Yes		ARE WATER ANALYSES ATTACHED? yes	

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) (Lessee) Caviness Cattle Co., c/o Gary Caviness, East Star Rt., Maljamar, New Mexico	
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL American Quasar Pet. Corp., 1000 Midland Nat'l Bank Tower, Midland, TX 79701 Cities Service Company, Box 1919, Midland, TX 79702 Crown Central Pet. Corp., Box 1168, One N. Charles, Baltimore, MD 21201 Pennzoil Company, Box 2967, 700 Milam, Houston, TX 77002 Target Production Co., Box 922, Lovington, New Mexico 88260 Zapata Energy Corp., 909 Alamo Savings Tower, San Antonio, TX 78209 Wood, McShane & Thams, Box 968, Monahans, TX 79756 Shell Oil Co., Box 991, Houston, TX 77001 Energy Reserves Gpe, Inc., Drawer 2437, Midland, TX 79702	

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes	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) Yes	PLAT OF AREA Yes	ELECTRICAL LOG 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.

W. J. Mueller

(Signature)

Senior Engineering Specialist

(Title)

10-25-79

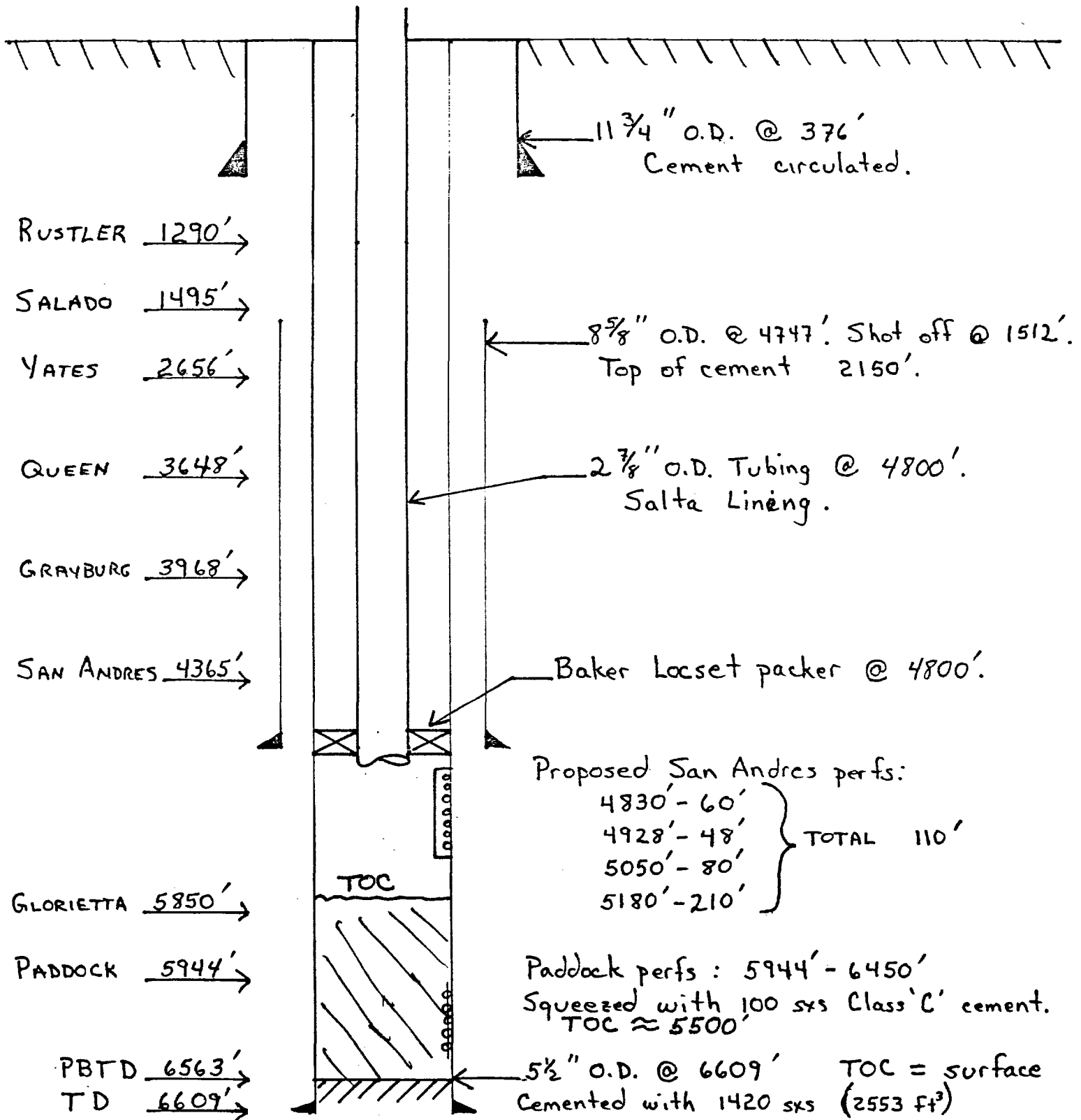
(Date)

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.

PHILLIPS PETROLEUM COMPANY

PHILMEX WELL No. 14

Maljamar Grayburg - San Andres Pool, Lea County, New Mexico
Conversion to Salt Water Disposal



HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

MIDLAND DIVISION

HOBBS, NEW MEXICO 88240

LABORATORY WATER ANALYSIS

No. W79-931To Phillips Petroleum CompanyDate 10-18-79Box 1178Lovington, New Mexico

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Submitted by _____ Date Rec. _____

Well No. As Marked Depth _____ Formation _____

County _____ Field _____ Source _____

Wyatt Fed. Wtr. TankPhilmex Disposal

Resistivity	<u>0.053 @ 74°F.</u>	<u>0.050 @ 74°F.</u>	
Specific Gravity	<u>1.112</u>	<u>1.126</u>	
pH	<u>6.5</u>	<u>6.6</u>	
Calcium (Ca)	<u>5,000</u>	<u>8,000</u>	*MPL
Magnesium (Mg)	<u>960</u>	<u>2,050</u>	
Chlorides (Cl)	<u>101,000</u>	<u>115,000</u>	
Sulfates (SO ₄)	<u>3,450</u>	<u>2,900</u>	
Bicarbonates (HCO ₃)	<u>580</u>	<u>330</u>	
Soluble Iron (Fe)	<u>Nil</u>	<u>Nil</u>	

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By

W. J. Brewer

CHEMIST

NOTICE

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OIL CONSERVATION DIVISION
DISTRICT I

RECEIVED
NOV 3 - 1979
OIL CONSERVATION DIVISION

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

SANTA FE
DATE October 29, 1979

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed NSP _____
Proposed SWD X _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application for the:

Phillips Petroleum Co.	PhilMex	No. 14-M	28-17-33
Operator	Lease and Well No.	Unit, S - T - R	

and my recommendations are as follows:

O.K.--J.S.

Yours very truly,

Terrell Sexton
acc

/mc