



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79761
PHILLIPS BUILDING

NATURAL RESOURCES GROUP
Exploration and Production

July 17, 1975

Luther-A No. 1
Application to Dually Complete
And for Salt Water Disposal
Unit N, 18, 8-S, 32-E,
Chaves County

File: W4-Ta-54-75

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

Attention: Mr. Joe D. Ramey,
Secretary-Director

Gentlemen:

We respectfully request administrative approval of exceptions to Rule 112-A-II for a conventional dual completion and to Rule 701-C for salt water disposal into a non-productive reservoir, as they apply to our Luther-A, Well No. 1 - located in Unit N, 660 feet from the south line and 1980 feet from the west line of Section 18, T-8-S, R-32-E, Chaves County. This well currently produces from the San Andres reservoir of the Lonesome San Andres Pool.

The Luther-A No. 1 was drilled to a total depth of 10,620 feet, and plugged back to 4535 feet for its present completion. We propose to clean out the well bore to approximately 4950 feet, spot cement plug, and dually complete in a conventional manner for SWD in the non-productive Glorieta open hole interval of 4584 feet to 4720 feet with the San Andres oil zone between 4118 and 4248 feet. These zones will be separated by a production type packer, and will be operated/produced through separate tubing strings. Forms C-107, C-108, lease and offset plat, diagrammatic completion sketch, and electric logs are attached in support of this request and further detail the proposed completion and operation. A similar oil/salt water disposal dual completion has previously been approved by the Commission in Order No. R-3949, dated April 22, 1970, which covered Phillips' operation of the Marley-A No. 1 = Unit P, Section 3, T-11-S, R-31-E, Chaves County.

By copy hereof and the appropriate forms, offset and surface owners are notified of these applications and their waivers of objections are requested. It is understood that administrative action will be subject to the statutory waiting period when waivers are not enclosed with the application. If required, please schedule this proposal for hearing.

New Mexico Oil Conservation Commission

W4-Ta-54-75

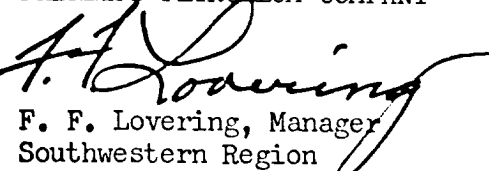
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Please direct any inquiries to Mr. W. J. Mueller of this office - telephone (915) 337-8611. Your consideration in this matter is appreciated.

Yours very truly,

PHILLIPS PETROLEUM COMPANY


F. F. Lovering, Manager
Southwestern Region

FFL:HM:jc
Attachments

cc: With Attachments
New Mexico Oil Conservation Commission-Hobbs
USGS-Hobbs
Exxon Company-U.S.A., Box 1600,
Midland, Texas 79701
Superior Oil Company, Box 1900,
Midland, Texas 79701
H. H. Davis, Milnesand, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Phillips Petroleum Company		ADDRESS Room 711, Phillips Building, Odessa, TX 79761	
LEASE NAME Luther-A	WELL NO. 1	FIELD Undesignated Glorieta	COUNTY Chaves
LOCATION UNIT LETTER N ; WELL IS LOCATED 660 FEET FROM THE south LINE AND 1980 FEET FROM THE west LINE. SECTION 18 TOWNSHIP 8S RANGE 32E NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	13-3/8"	427	500 sx Class H w/2% Ca Cl₂
INTERMEDIATE	8-5/8"	4584	850 sx TRLW w/10% DD 7-# salt&325 sx
LONG STRING			Class H w/2% Ca Cl₂
TUBING	2-3/8"	4520'	Baker Model D 4520'
NAME OF PROPOSED INJECTION FORMATION Glorieta		TOP OF FORMATION 4645'	BOTTOM OF FORMATION 4720' PBTD
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Open Hole	PROPOSED INTERVAL(S) OF INJECTION OH 4584' to 4720'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Drilled to TD of 10620'-test Atoka; PB to 4535,		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 complete in San Andres) 4118-4248' (Dually completed producer)			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 425	DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 4535	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA None	
ANTICIPATED DAILY INJECTION VOLUME (BBL/D) 25	MAXIMUM 500	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNSUIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE Yes		WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSITION ZONE Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) United States Dept. of Interior w/H. H. Davis; Milnesand, New Mexico , as surface lessee		ARE WATER ANALYSIS ATTACHED? No	
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			
Exxon Company-U.S.A.; Box 1600; Mildand, Texas 79701			
Superior Oil Company; Box 1900; Midland, Texas 79701			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	
Yes		Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-D)?		ELECTRICAL LOG	
Yes		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 Reservoir Engineer

(Title)

7-18-75

(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.

13-3/8", 48#, H-40, @
427' cemented w/355
sacks. Circ. 145 sxs.

T.O.C. 2,000'.

Top San Andres 3,320'.

Perfs:

4,118-4,130'
4,149-4,151'
4,157-4,160'
4,226-4,248'

8-5/8", 32#, K-55, @
4,584' cemented
w/1,175 sacks.

Top of Glorieta 4,645'.
PBSD 4,720'.

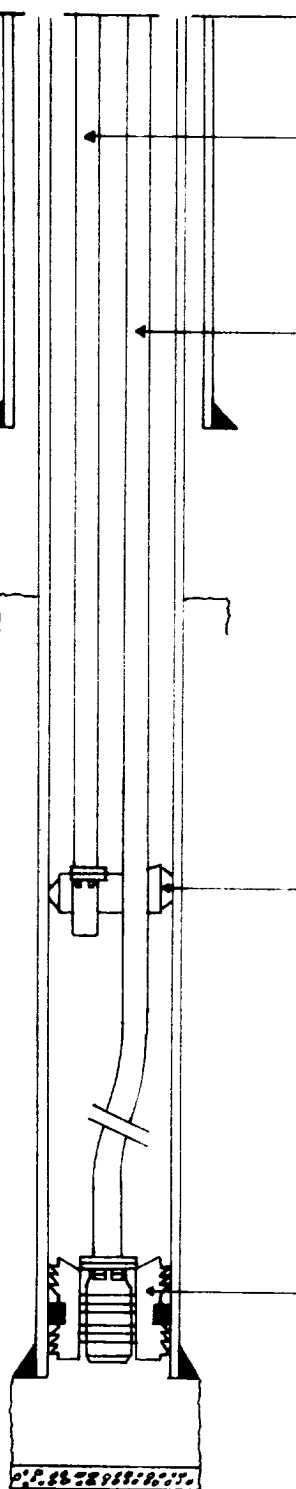
Production string: 2-3/8" O.D.
EUE tubing.

Disposal string: 2-3/8"
plastic lined (Salta) EUE
tubing.

Tubing to be externally glass-
wrapped from 4,100' to 4,520'
(420').

Parallel string tubing anchor
@ 4,100'. (J-latch w/ R-H
release.)

Retainer production packer
(Model D w/nickel plated anchor
seal assembly) set @ 4,520'.



NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	 PHILLIPS PETROLEUM COMPANY BARTLESVILLE, OKLAHOMA				AFE NO.
FOR APPR					FILE CODE
FOR CONST	LUTHER "A" NO. 1 N, Section 18, T-8-S, R-32-E, Chaves County, N.M. PROPOSED COMPLETION FOR H ₂ O DISPOSAL				SCALE UNLESS OTHERWISE NOTED
DESIGN					DWG NO.
DRAWN					
CHECKED					
APP'D					SH NO.

