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RICE *Engineering & Operating, Inc.*

Post Office Box 1142

Telephone (505) 393-9174

HOBBS, NEW MEXICO 88240

October 15, 1969

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico 87501

Re: Rule 701, Injection of
Fluids into Reservoirs
(Salt Water Disposal)

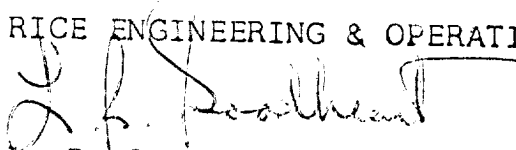
Gentlemen:

Rice Engineering & Operating, Inc., as operator of the Vacuum Salt Water Disposal System, respectfully requests administrative approval for proposed salt water disposal well H-35, located 2310' FNL & 990' FEL of Section 35, T17S, R35E, Lea County, New Mexico, as set out in Commission Order No. R-3079 dated June 15, 1966.

This application is filed in accordance with Rules 701-B and 701-C of the Commission Rules and Regulations. Attached is Form C-108 and related information.

Yours very truly,

RICE ENGINEERING & OPERATING, INC.


L. B. Goodheart
Division Manager

JVR/nb

Attachments

NEW MEXICO OIL CONSERVATION COMMISSION

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

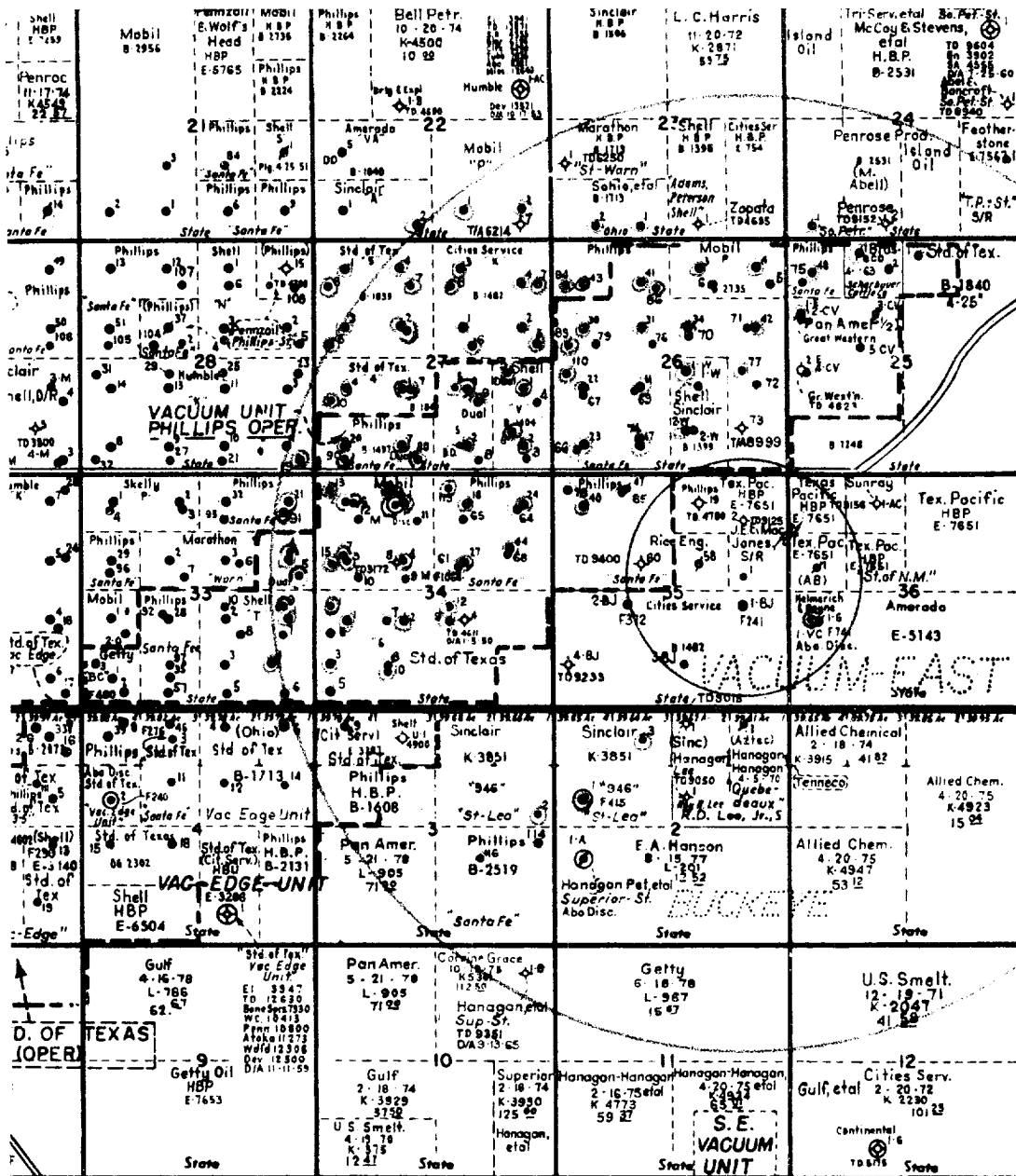
OPERATOR Rice Engineering & Operating, Inc.		ADDRESS P. O. Box 1142, Hobbs, New Mexico 88240			
LEASE NAME Vacuum SWD		WELL NO. H-35	FIELD Vac Edge		COUNTY Lea
LOCATION UNIT LETTER <u>H</u> ; WELL IS LOCATED <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>990</u> FEET FROM THE <u>East</u> LINE, SECTION <u>35</u> TOWNSHIP <u>17 South</u> RANGE <u>35 East</u> NMPM.					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8"	321'	325	Surface	Circulated
INTERMEDIATE	8 5/8"	3502'	600	Surface	Circulated
LONG STRING	5 1/2"	9189'	775	3400'	Vol. calc. of caliper log & temp.
TUBING	3 1/2"	5030'	NAME, MODEL AND DEPTH OF TUBING PACKER Floating oil blanket will be used to protect annulus		
NAME OF PROPOSED INJECTION FORMATION San Andres		TOP OF FORMATION 4790'		BOTTOM OF FORMATION 6368'	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Plastic-lined tubing		PERFORATIONS OR OPEN HOLE? Perforations		PROPOSED INTERVAL(S) OF INJECTION 0-80', 5320-30', 5360-70', 5690-5700', 6935-95' into Paddock fm. approved by order No. R-3239	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil Well		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 by bridge plug set at 7600' w/2 sx.cmt. on top; 6663-64', 6673-74', 6757-59' sqz.w/425 sx. cmt (6955-95' injection into Paddock formation approved by order No. R-3239)					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Base Triassic @ 1595'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA Base Grayburg 4705'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA Top Glorieta 6368'	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) MINIMUM 2,500	MAXIMUM 5,000	OPEN OR CLOSED TYPE SYSTEM Semi-closed		IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity	APPROX. PRESSURE (PSI) Vacuum
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) State Land - R. D. Lee, P. O. Box 363, Lovington, New Mexico 88260					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
Phillips Petroleum Company, Box 477, Buckeye, New Mexico 88212					
Pan American Petroleum Corporation, Box 68, Hobbs, New Mexico 88240					
Amerada Hess Corporation, Box 668, Hobbs, New Mexico 88240					
Cities Service Oil Company, Box 69, Hobbs, New Mexico 88240					
Atlantic Richfield Company, Box 1920, Hobbs, New Mexico 88240					
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 No	
				THE NEW MEXICO STATE ENGINEER No	
				DIAGRAMMATIC SKETCH OF WELL Yes	

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

L. B. Goodhead (Signature)

Division Manager
(Title)October 15, 1969
(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.



Legend

- Yates
- Grayburg-San Andres
- Glorieta
- Abo
- Bone Springs

EXHIBIT "A"

DWN.	DRL	10 - 69	LOCATION PLAT	SCALE
			VACUUM SWD WELL H-35	1" - 4000'
			RICE ENGINEERING & OPERATING, INC.	DWG. NO.
			HOBBS, NEW MEXICO	A - 446

WELL "B"

13 3/8" OD 48#, H-40
casing set at 321'
w/325 sacks cement
circulated to surface

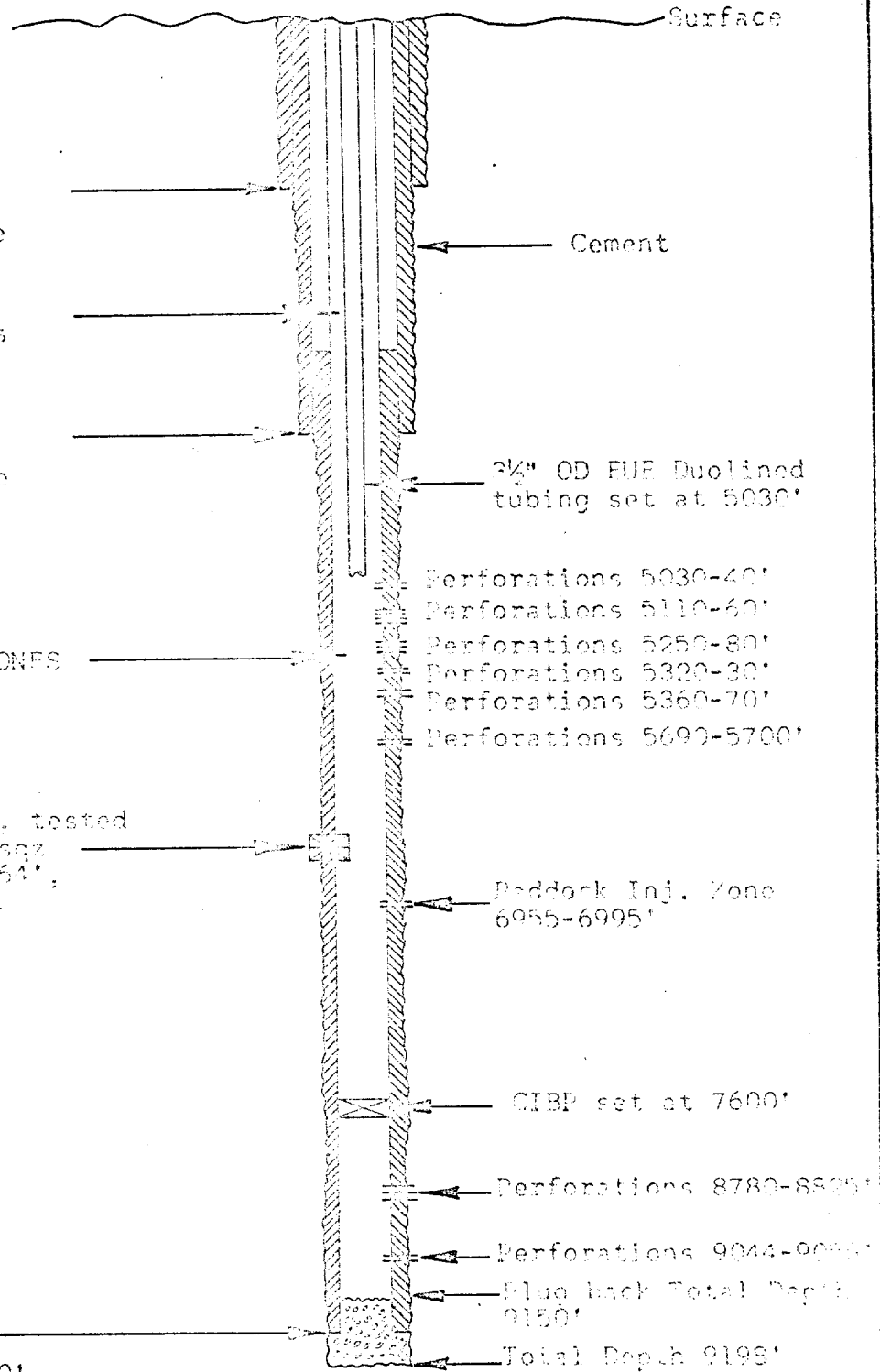
Treated oil in
casing-tubing annulus

8 5/8" OD 32#, J-55
casing set at 3502'
w/600 sacks cement
circulated to surface

PROPOSED INJECTION ZONES

Paddock perforations. tested
salty sulfur water. sqz
w/425 ex. cmt. 6663-64',
6673-74 & 6757-59'

5 1/2" OD 17#, J-55
casing set at 9189'
w/775 sacks cement,
top of cement at 3400'



DWN	W	W	W	W	SCALE
					None
					DWG NO.
					1-441