

NEW MEXICO OIL CONSERVATION COMMISSION  
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

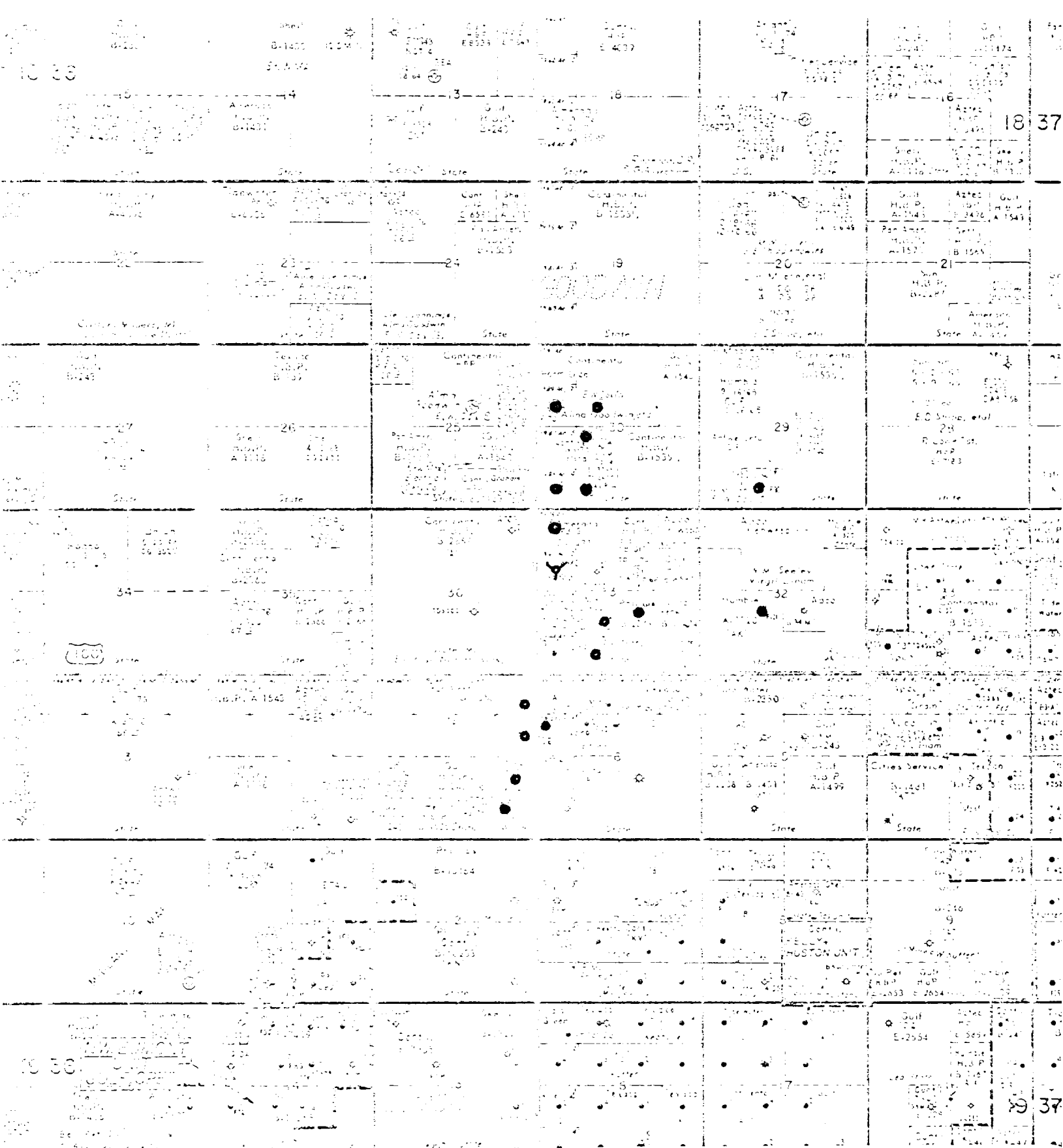
OPERATOR <b>Agua, Inc.</b>		ADDRESS <b>Box 1978, Hobbs, New Mexico 88240</b>	
LEASE NAME <b>Goodwin Waste Water Disposal</b>	WELL NO. <b>E-31</b>	FIELD <b>Goodwin</b>	COUNTY <b>Lea</b>
LOCATION UNIT LETTER <b>E</b> ; WELL IS LOCATED <b>1980</b> FEET FROM THE <b>North</b> LINE AND <b>660</b> FEET FROM THE <b>West</b> LINE, SECTION <b>31</b> TOWNSHIP <b>18 S</b> RANGE <b>37 E</b> NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8"	325'	400	Circulated	
INTERMEDIATE	9 5/8"	2948'	850	379'	Amerado - Temp. Survey
<del>XXXXXX</del> Liner (proposed)	7"	2910-4460'	300(proposed)		
TUBING Plastic Lined (proposed)	5 1/2"	4460'	none	NAME, MODEL AND DEPTH OF TUBING PACKER	
NAME OF PROPOSED INJECTION FORMATION			TOP OF FORMATION		BOTTOM OF FORMATION
<b>SanAndres, Delaware, Bone Spring, Clearfork</b>			<b>San Andres 4458</b>		<b>Top Drinkard 7130</b>
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS?		PERFORATIONS OR OPEN HOLE?	PROPOSED INTERVAL(S) OF INJECTION		
<b>Tubing</b>		<b>open hole</b>	<b>4460' - 6900'</b>		
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?
<b>no</b>	<b>Oil-dry hole-Amerada Pet. Corp. WME #3</b>				<b>No</b>
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH					
<b>none</b>					
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	
<b>200</b>		<b>4100 (Queen)</b>		<b>7130 (Drinkard)</b>	
ANTICIPATED DAILY INJECTION VOLUME (BBL'S.)	MINIMUM	MAXIMUM	OPEN OR CLOSED TYPE SYSTEM	IS INJECTION TO BE BY GRAVITY OR PRESSURE?	APPROX. PRESSURE (PSI)
	<b>1800</b>	<b>12000</b>	<b>closed</b>	<b>Gravity</b>	<b>0</b>
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?
			<b>no</b>	<b>no</b>	<b>yes</b>
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
<b>Amerada Pet. Corp. Box 668, Hobbs, New Mexico 88240</b>					
<b>Continental Oil Co. Box 460, Hobbs, New Mexico 88240</b>					
<b>Mr. Antweil Box 2010 Hobbs, New Mexico 88240</b>					
<b>Phillips Pet. Co., Phillips Bldg., 4th &amp; Washington, Odessa, Texas</b>					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	
<b>yes</b>		<b>State of New Mexico</b>		<b>yes (above)</b>	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		FLAT OF AREA		ELECTRICAL LOG	
		<b>yes</b>		<b>yes</b>	
				<b>yes</b>	

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

*W.H. Abbott* Manager, AGUA, INC. August 18, 1967  
(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.



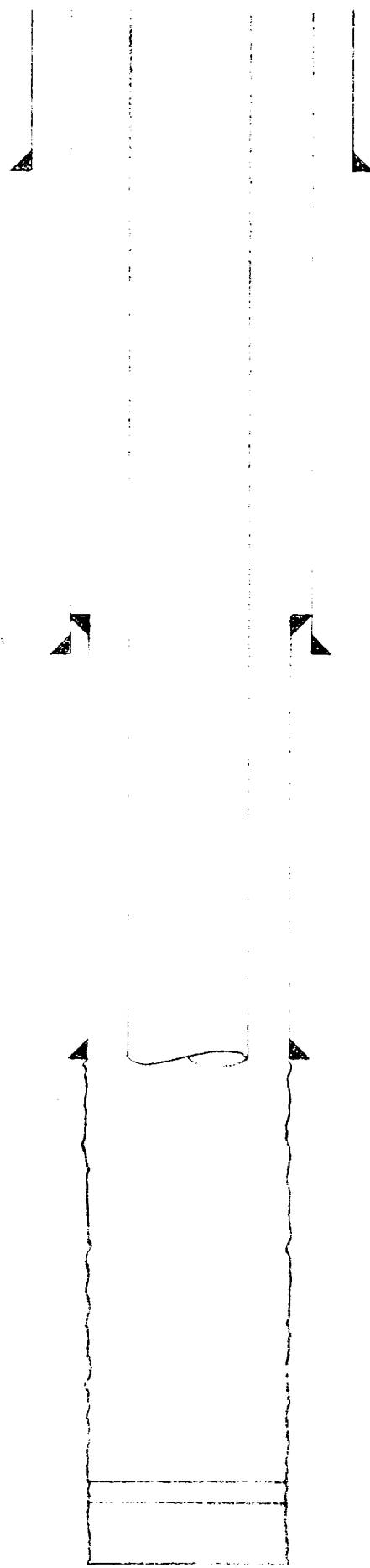
AGUA, INC.

Goodwin Waste Water  
System, Lea Co., N. Mex.

Plat of Area  
8-18-67

- Abo
- Drinkard
- Eumont

Y SWD



13 3/8" to 425'  
(Cement Circulated)

5 1/2" Plastic-lined  
Tubing to 4460'

AGWA, INC.  
SWD Well F-11  
SW/4 NW 4 Sec. 3  
T 18 S, R 37 E  
Lea Co., New Mexico

9 5/8" to 2910'  
(Cement top-3711')

Prepacked Interval  
from 2910' to 4460'

EXHIBIT -B-

Plug at 6900'

Total Depth 7600'

FORMATION WATER ANALYSES  
Parts Per Million

Sodium, Na	19,230
Calcium, Ca	2,640
Magnesium, Mg	585
Sulfate, SO <sub>4</sub>	3,800
Chloride, Cl	33,000
Bicarbonate, HCO <sub>3</sub>	490

pH	5.4
Specific Gravity	1.045
Iron	Nil
Hydrogen Sulfide	Large Amount

Sample taken by Halliburton from the Abo zone of the  
Amerada St. WME No. 2