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**COASTAL STATES GAS PRODUCING COMPANY**

**WEST TEXAS - NEW MEXICO DISTRICT**

600 Wilco Building  
Midland, Texas 79701

March 25, 1975

**Mailing Address**

P.O. Box 235  
(915) 682-7925

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

Re: Flying "M" (SA) Unit Tr. 20-1  
Lea County, New Mexico

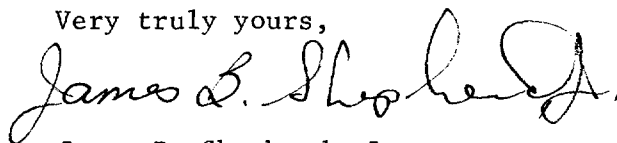
Gentlemen:

Please find attached Form C-108 which is to seek authorization to convert an addition well, Flying "M" (SA) Unit Tract 20 Well No. 1, to water injection. The subject well was originally drilled and completed as a producer. This additional well will result in a more balanced waterflood in this unit thereby increasing oil recovery and preventing waste.

Attached also is a plat of the project area showing all wells and offset leases. In addition, a schematic drawing of the existing well with the proposed tubing and packer.

A copy of this application is being sent to each of the offset operators as of the date of this letter.

Very truly yours,



James B. Shepherd, Jr.  
District Production Superintendent

JBS:RW:mh

Attachments

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

OPERATOR <b>Coastal States Gas Producing Company</b>			ADDRESS <b>P.O. Box 235, Midland, Texas 79701</b>		
LEASE NAME <b>Flying "M" (SA) Unit Tr. 20</b>		WELL NO. <b>1</b>	FIELD <b>Flying "M"</b>		COUNTY <b>Lea</b>
LOCATION UNIT LETTER <b>F</b> ; WELL IS LOCATED <b>1974.9</b> FEET FROM THE <b>North</b> LINE AND <b>1980</b> FEET FROM THE <b>West</b> LINE, SECTION <b>32</b> TOWNSHIP <b>9-S</b> RANGE <b>33-E</b> NMPM.					
<b>CASING AND TUBING DATA</b>					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	<b>8-5/8"</b>	<b>259'</b>	<b>200</b>	<b>Surface</b>	<b>Circulated cmt.</b>
INTERMEDIATE					
LONG STRING	<b>4-1/2"</b>	<b>4500'</b>	<b>300</b>	<b>3525</b>	<b>Cement Bond Log</b>
TUBING	<b>2-3/8"</b>	<b>4350'</b>	NAME, MODEL AND DEPTH OF TUBING PACKER <b>Baker Model AD-1</b>		
NAME OF PROPOSED INJECTION FORMATION <b>San Andres</b>			TOP OF FORMATION <b>4396</b>		BOTTOM OF FORMATION <b>4415'</b>
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? <b>2-3/8" tubing (Plastic lined)</b>		PERFORATIONS OR OPEN HOLE? <b>4402-12'</b>	PROPOSED INTERVAL(S) OF INJECTION <b>4402-12'</b>		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? <b>No</b>	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? <b>Oil Producer</b>				HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? <b>No</b>
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH <b>Block squeezed zone with 150 sxs. @ 4396' and 300 sxs. @ 4428'</b>					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA <b>150'</b>		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA <b>None</b>		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA <b>8600'</b>	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) <b>300</b>	MINIMUM <b>300</b>	MAXIMUM <b>800</b>	OPEN OR CLOSED TYPE SYSTEM <b>Open</b>	IS INJECTION TO BE BY GRAVITY OR PRESSURE? <b>Pressure</b>	APPROX. PRESSURE (PSI) <b>1500</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 - <b>Yes</b>			WATER TO BE DISPOSED OF <b>Yes</b>	NATURAL WATER IN DISPOSAL ZONE <b>Yes</b>	ARE WATER ANALYSES ATTACHED? <b>No</b>
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) <b>Marg McGuffin, P.O. Box 344, Caprock, New Mexico 88213</b>					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL <b>Warren American Oil Company, P.O. Box 971, Midland, Texas 79701</b>					
<b>Belco Petroleum Corporation, 411 Petroleum Building, Midland, Texas 79701</b>					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER <b>No</b>		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL <b>Yes</b>	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA <b>Yes</b>		ELECTRICAL LOG <b>No</b>	
				THE NEW MEXICO STATE ENGINEER <b>No</b>	
				DIAGRAMMATIC SKETCH OF WELL <b>Yes</b>	

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

District Production Superintendent

3-25-75

(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.

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

OPERATOR Coastal States Gas Producing Company			ADDRESS P.O. Box 235, Midland, Texas 79701		
LEASE NAME Flying "M" (SA) Unit Tr. 20		WELL NO. 1	FIELD Flying "M"		COUNTY Lea
LOCATION UNIT LETTER <u>F</u> ; WELL IS LOCATED <u>1974.9</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>32</u> TOWNSHIP <u>9-S</u> RANGE <u>33-E</u> NMPM.					
CASING AND TUBING DATA					
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SURFACE CASING	8-5/8"	259'	200	Surface	Circulated cmt.
INTERMEDIATE					
LONG STRING	4-1/2"	4500'	300	3525	Cement Bond Log
TUBING	2-3/8"	4350'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model AD-1		
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IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? 2-3/8" tubing (Plastic lined)		PERFORATIONS OR OPEN HOLE? 4402-12'	PROPOSED INTERVAL(S) OF INJECTION 4402-12'		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil Producer		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE?		
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH Block squeezed zone with 150 sxs. @ 4396' and 300 sxs. @ 4428'					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 150'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 8600'	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 300	MINIMUM 800	OPEN OR CLOSED TYPE SYSTEM Open		IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 1500
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? No
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Marg McGuffin, P.O. Box 344, Caprock, New Mexico 88213					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Warren American Oil Company, P.O. Box 971, Midland, Texas 79701 Belco Petroleum Corporation, 411 Petroleum Building, Midland, Texas 79701					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? No					
SURFACE OWNER No		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes		THE NEW MEXICO STATE ENGINEER No	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes		PLAT OF AREA Yes		ELECTRICAL LOG 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.

District Production Superintendent

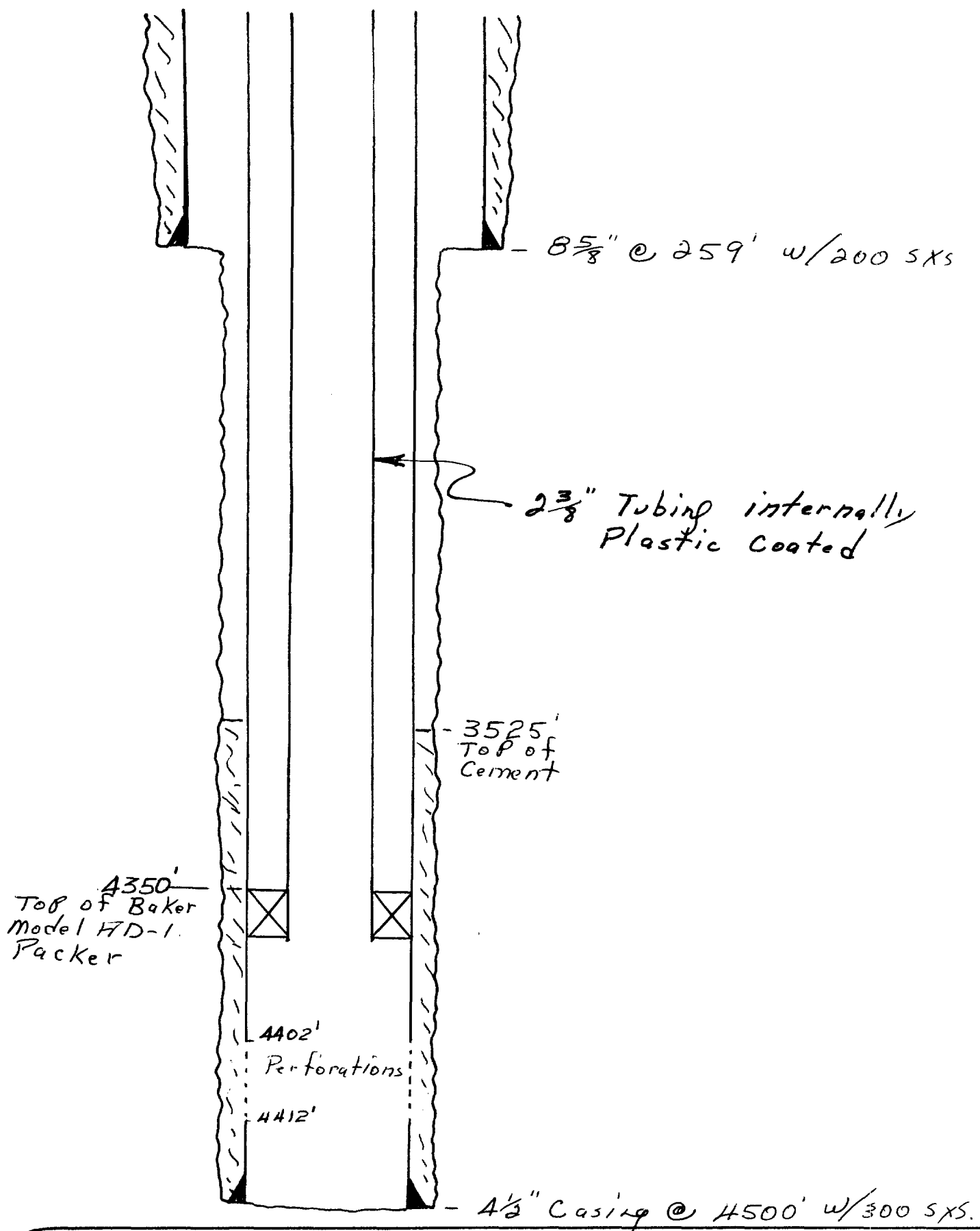
3-25-75

(Signature)

(Title)

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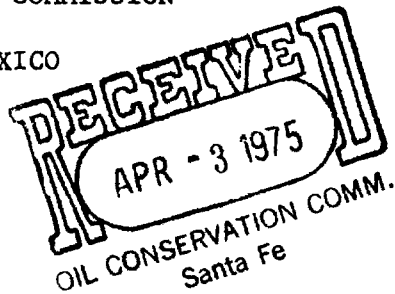


Schematic Drawing of Proposed Injection Well, Flying "M" (SA) Unit Tract 20 Well #1

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

OIL CONSERVATION COMMISSION  
Hobbs DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO



DATE April 1, 1975

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX X \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated \_\_\_\_\_  
for the Coastal States Gas Prod. Co. Flying M SA Unit Tr. 20 #1-F 32-9-33  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.D.R.

Yours very truly,

A handwritten signature in cursive script, appearing to read "J.D.R.", written over a horizontal line.