

22

SUD 162
D-4/1/1

COASTAL STATES GAS PRODUCING COMPANY

WEST TEXAS - NEW MEXICO DISTRICT

600 Wilco Building
Midland, Texas 79701

March 24, 1975

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

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

Re: Salt Water Disposal
West Sawyer (San Andres) Field
Lea County, New Mexico

Gentlemen:

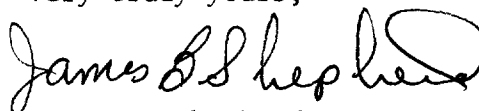
The purpose of this letter is to transmit the necessary exhibits for and to request administrative approval to dispose of water into the Grayburg formation through perforations from 3690 feet to 3938 feet in our Santa Fe Well No. 2, located in the SE/4 of the NW/4 of Section 33, Township 9-S, Range 37-E, Lea County, New Mexico.

This well previously has been utilized as a salt water disposal well in the lower San Andres formation through open hole from 5025 feet to 5133 feet according to provisions of Commission Order No. R-3815. However, the disposal interval has now ceased to take the required water volume at the working pressure of the injection equipment and it has become necessary to search for an alternate injection zone.

It is our opinion that the disposal of salt water into the Grayburg formation in this well will not pose an environmental hazard nor be detrimental to producing operations in this area but rather will promote the more efficient recovery of hydrocarbons from the captioned field by eliminating possible curtailment of oil production due to the inconvenience and cost of alternate disposal methods.

If additional information is required, please advise.

Very truly yours,



James B. Shepherd
District Production Manager

JBS:KS:mh

Attachments

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

April 10, 1975

C
O
P
Y

Coastal States Gas Producing Co.
P. O. Box 235
Midland, Texas 79701

Re: Administrative Order
No. SWD-162

Gentlemen:

Enclosed herewith please find Administrative
Order No. SWD-162 for the following well:

Santa Fe Well No. 2
located in Unit F of
Section 33, Township 9
South, Range 37 East,
NMPM, Lea County, N. Mex.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/CU/oq

cc: Oil Conservation Commission
Box 1980
Hobbs, New Mexico

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 Santa Fe	WELL NO. 2	FIELD West Sawyer (San Andres)	COUNTY Lea
LOCATION UNIT LETTER F ; WELL IS LOCATED 1980 FEET FROM THE West LINE AND 1980 FEET FROM THE North LINE, SECTION 33 TOWNSHIP 9-S RANGE 37-E NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8-5/8"	478'	350	Circulated	Visual
INTERMEDIATE					
LONG STRING	4-1/2"	5025'	250	3500'	Calculation
TUBING	2-3/8"	3650'	NAME, MODEL AND DEPTH OF TUBING PACKER Johnson Tension Packer		
NAME OF PROPOSED INJECTION FORMATION Grayburg		TOP OF FORMATION 3610'		BOTTOM OF FORMATION 4034	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing		PERFORATIONS OR OPEN HOLES? perforations	PROPOSED INTERVAL(S) OF INJECTION 3690' to 3938'		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil Production		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 4904-4944' (San Andres - oil)- 50 sx; OH 5025-5133 (San Andres - SWD)					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 400'	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 none		
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 750	MINIMUM 1500	MAXIMUM closed	OPEN OR CLOSED TYPE SYSTEM pressure	IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure	APPROX. PRESSURE (PSI) 2000
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) Michael Harton, Box 24, Tatum, New Mexico					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
✓ Oil Development Corporation, 900 Polk Street, Amarillo, Texas 79100					
✓ Sun Oil Company, 901 W. Wall, Midland, Texas 79701					
✓ VF Petroleum, 1212 Vaughn Building, Midland, Texas 79701					
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		DIAGRAMMATIC SKETCH OF WELL yes	

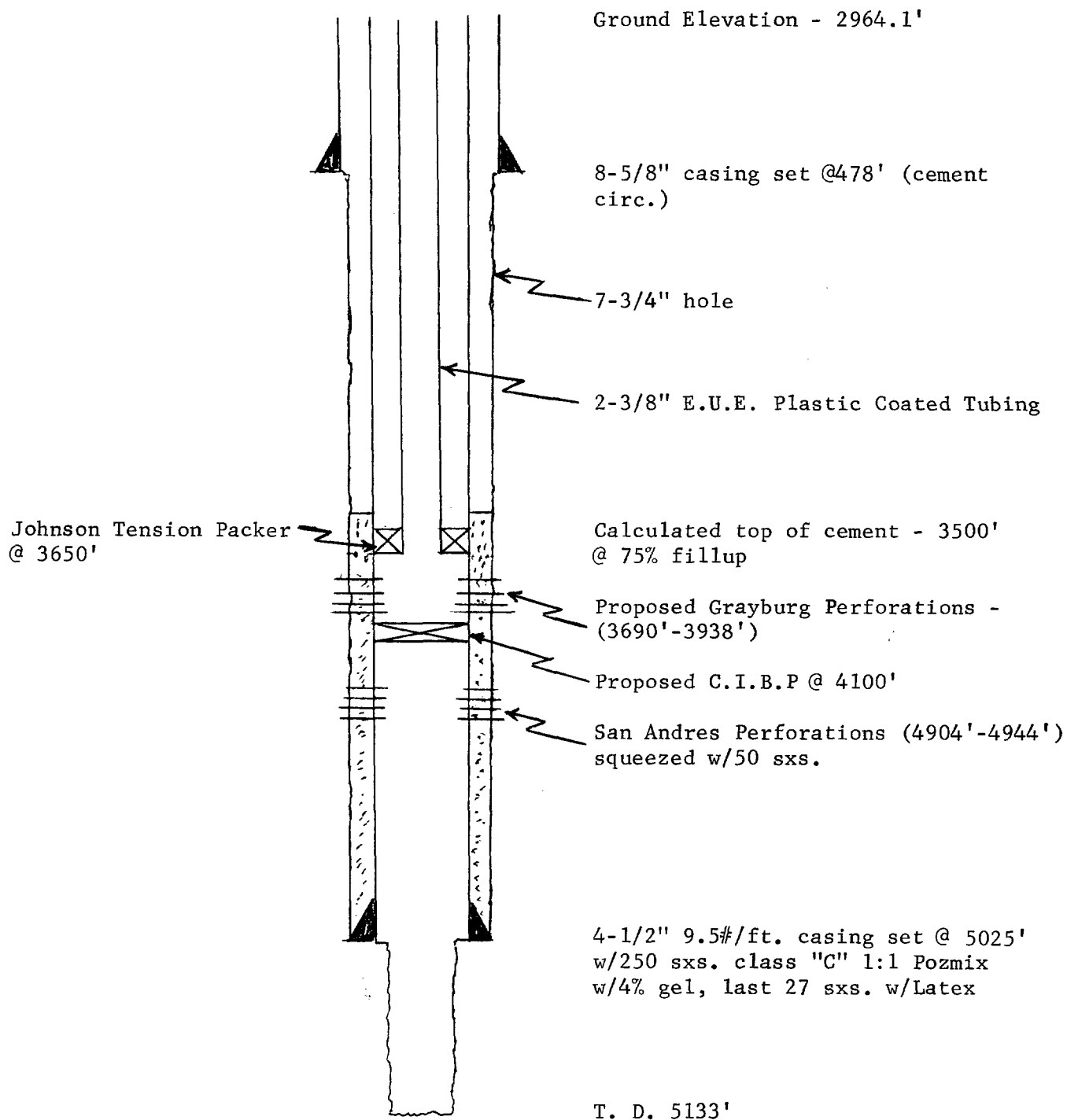
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

[Signature]
(Signature)

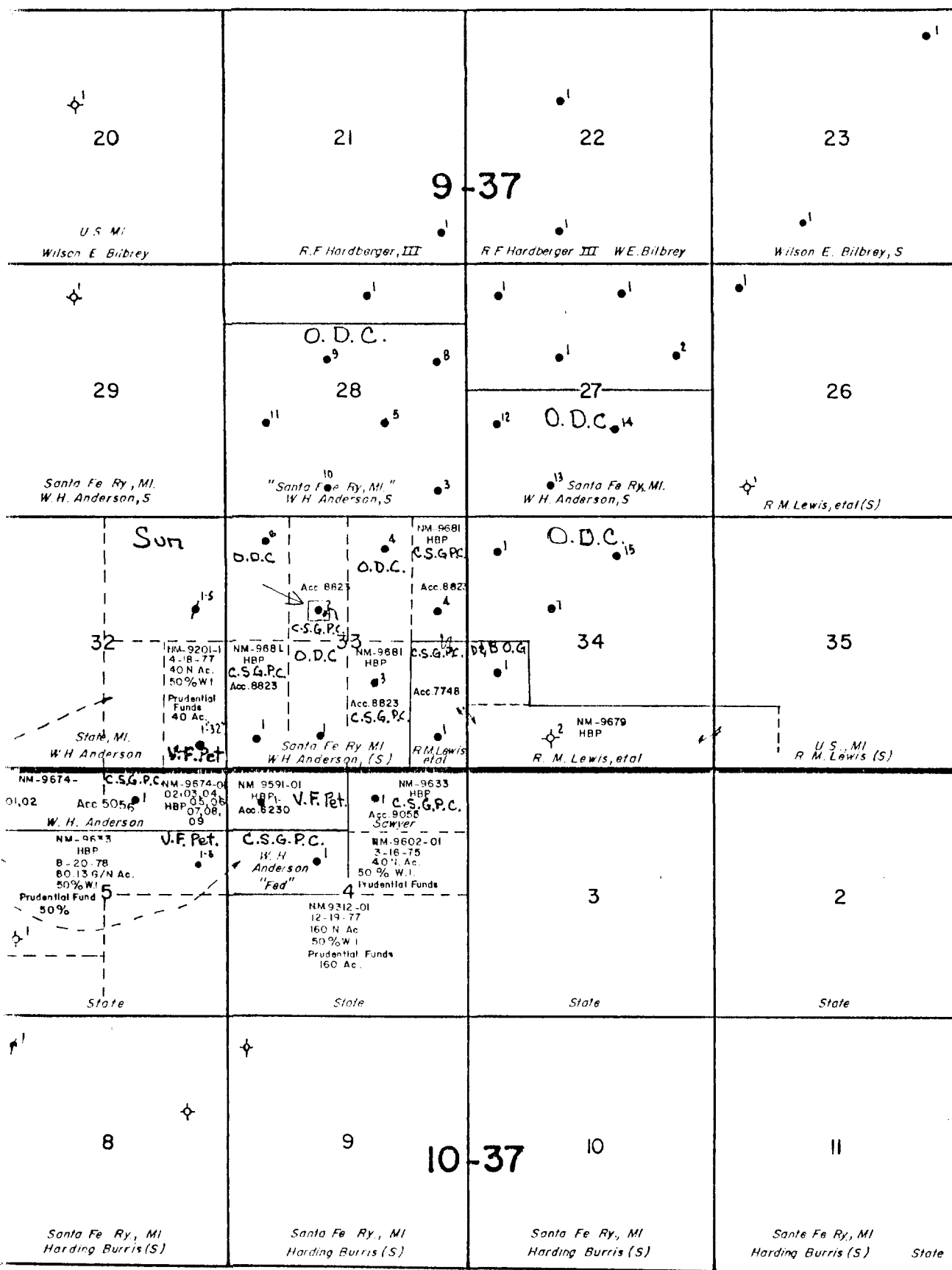
District Production Manager
(Title)

3-24-75
(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.



COASTAL STATES GAS PRODUCING COMPANY
 Santa Fe Well No. 2
 Lea County, New Mexico



COASTAL STATES GAS PRODUCING COMPANY

W. SAWYER FIELD

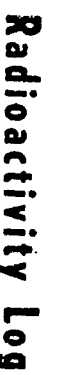
LEA COUNTY, NEW MEXICO

Scale: One inch = 100 feet

Date: 12-73

Revised:

No. 538



21020
PERFORATORS, INC.

ODESSA, TEXAS

Radioactivity Log

FILING NO.

COMPANY COASTAL STATES GAS PROD. COMPANY

WELL SANTA FE NO. 2

FIELD WILDCAT

COUNTY LEA STATE NEW MEXICO

LOCATION: 1980' FNL, 1980' FNL

SEC 33 TWP 9-S RGE 37-E

OTHER SERVICES:

PERMANENT DATUM:
LOG MEASURED FROM GROUND LEVEL
DRILLING MEASURED FROM

ELEV. K.B.
D.F. 3764.1
FT. ABOVE PERM. DATUM
GL

DATE 2-24-69

TYPE LOG ONE
GAMMA RAY/NEUTRON

DEPTH-DRILLER 5000'

DEPTH-LOGGER 4950'

BOTTOM LOGGED INTERVAL 4949'

TOP LOGGED INTERVAL 3950'

TYPE FLUID IN HOLE WATER

SALINITY, PPM CL. --

DENSITY --

LEVEL FULL

MAX. REC. TEMP. DEG. F. --

OPERATING BIG TIME B.O. POLE

RECORDED BY F. MUNSELL

WITNESSED BY

BORE-HOLE RECORD

FROM TO

SIZE WGT

4-1/2" 20

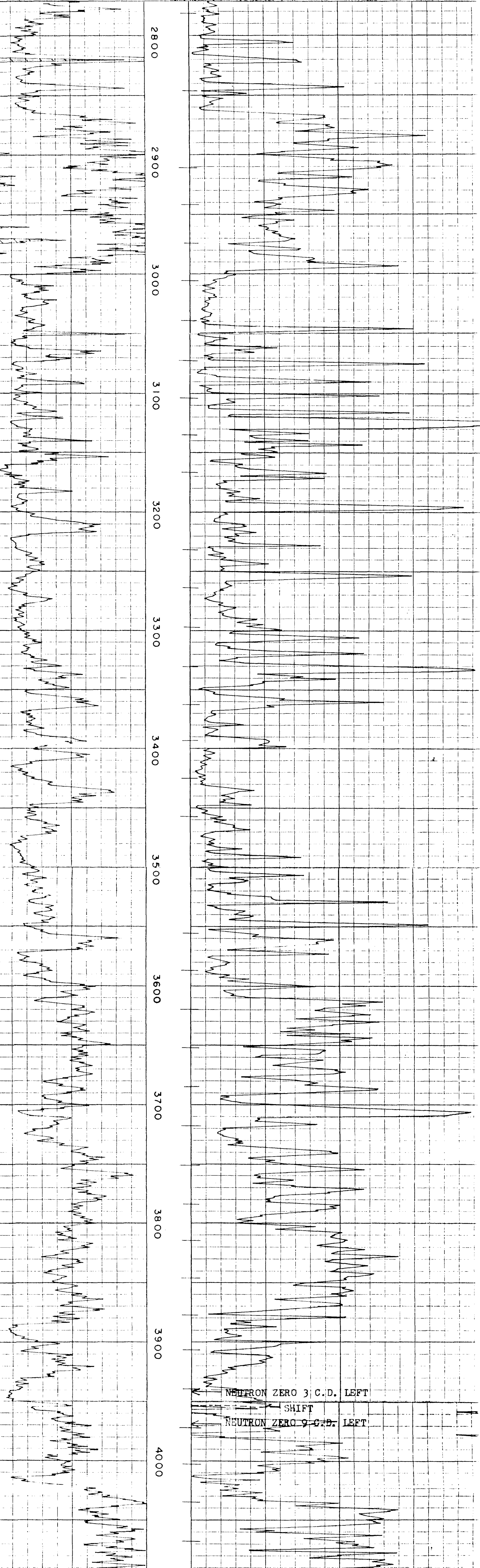
CASING RECORD

FROM TO

SIZE WGT

4-1/2" 20

SURF. T.D.



COASTAL STATES GAS PRODUCING COMPANY

WEST TEXAS - NEW MEXICO DISTRICT

600 Wilco Building
Midland, Texas 79701

March 24, 1975

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

JCM			OBB
EMS			FWK
MRE			JTB
SLA			LAP
VPS			CLS
MAR 27 1975			
RAG		2 JTB	
			DW

Oil Development Corporation
900 Polk Street
Amarillo, Texas 79100

Re: Salt Water Disposal
West Sawyer (San Andres) Field
Lea County, New Mexico

Gentlemen:

Attached is our application to the New Mexico Oil Conservation Commission for administrative approval to plug our Santa Fe Well No. 2 back to the Grayburg for salt water disposal. The well is located in the SE/4 of the NW/4 of Section 33, T-9S, R-37E.

This well previously has been a salt water disposal well in the lower San Andres through open hole from 5025 feet to 5133 feet. Disposal will be through tubing with packer set above perforations from 3690 feet to 3938 feet.

If you have no objection to this application, please sign in the space below and return to us in the self-addressed envelope as soon as possible.

Very truly yours,

James B. Shepherd

James B. Shepherd
District Production Manager

JBS:KS:mh

Attachments

APPROVAL: X
DATE: March 27, 1975

DISAPPROVAL: _____
DATE: _____

J. P. Meeks
Production Superintendent
Oil Development Company of Texas

COASTAL STATES GAS PRODUCING COMPANY
WEST TEXAS - NEW MEXICO DISTRICT
600 Wilco Building
Midland, Texas 79701

March 24, 1975

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

VF Petroluem
1212 Vaughn Building
Midland, Texas 79701

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Very truly yours,


James B. Shepherd
District Production Manager

JBS:KS:mh

Attachments

APPROVAL: VF Vaughn
DATE: 4-2-75

DISAPPROVAL: _____
DATE: _____

COASTAL STATES GAS PRODUCING COMPANY
WEST TEXAS - NEW MEXICO DISTRICT
600 Wilco Building
Midland, Texas 79701

March 24, 1975

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

Sun Oil Company
901 W. Wall
Midland, Texas 79701

Re: Salt Water Disposal
West Sawyer (San Andres) Field
Lea County, New Mexico

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Very truly yours,


James B. Shepherd
District Production Manager

JBS:KS:mh

Attachments

APPROVAL: 

DATE: 4-2-75

COMPANY: SUN OIL COMPANY

DISAPPROVAL: _____

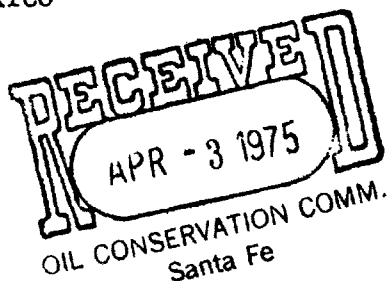
DATE: _____

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 X _____
Proposed WFX _____
Proposed PMX _____



Gentlemen:

I have examined the application dated _____
for the Coastal States Gas Prod. Co. Santa Fe #2-F 33-9-37
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.