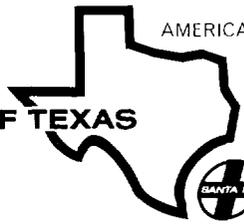


5112-

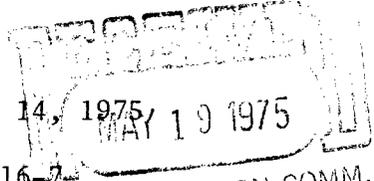
AMERICAN NATIONAL BANK BUILDING P.O. BOX 12058,
AMARILLO, TEXAS 79101 • PHONE 806/376-5741

OIL DEVELOPMENT COMPANY OF TEXAS



A SANTA FE INDUSTRIES COMPANY

May 14, 1975



NM-16-7

OIL CONSERVATION COMM.
Santa Fe

New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

RE: Revised Application for Salt Water
Disposal - SFPRR No. 6 Well
Lea County, New Mexico

Gentlemen:

Enclosed for administrative approval is revised Form C-108, Application to Dispose of Salt Water by Injection into a Porous Formation, in triplicate, along with a diagrammatic sketch for the purpose of converting our SFPRR No. 6 well into a salt water disposal well in the Grayburg formation. The area plat, log, and waivers from the surface owner and operators within a one-half mile radius of the well were submitted with the original application on May 7, 1975.

The proposed formation for disposal purposes is the Grayburg, Permian Age, located between the depths of 3478' and 4110' on the log. The Grayburg formation will be isolated with cement behind the casing with cement squeezes at 3380' and 3630' before the completion is performed with perforations at 3490-3570'. Coastal States Gas Producing has previously obtained approval to utilize this zone for disposal purposes in their SFPRR No. 2 well also located in Section 33. The source of the injected water will be the salt water produced from the West Sawyer (San Andres) Field completions.

Also enclosed for simultaneous approval are five copies of revised Form C-101, Application for Permit to Plug Back, in regard to the subject well. Three copies of Form C-102 was submitted with the original application on May 7, 1975.

Please advise if there are any questions or additional information required.

Very truly yours,

D. D. Oswald, Jr.
Petroleum Engineer

DDO:dm
Encls.

Jim Keptiens

This revised application is OK with me. Should be eligible for administrative approval. JAK

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

May 21, 1975

C
O
P
Y

Oil Development Company of Texas
P. O. Box 12058
Amarillo, Texas 79101

Re: Administrative Order SWD-168

Gentlemen:

Enclosed herewith please find Administrative Order SWD-168
for the following described well:

SFPRR Well No. 6 located in Unit
D of Section 33, Township 9
South, Range 37 East, Lea County,
New Mexico.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/CU/og

cc: Oil Conservation Commission
Box 1980
Hds, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87201

MAY 21, 1972

Oil Development Company of Texas
P. O. Box 12028
Amarillo, Texas 79101

Re: Administrative Order SWD-168

Gentlemen:

Enclosed herewith please find Administrative Order SWD-168
for the following described well:

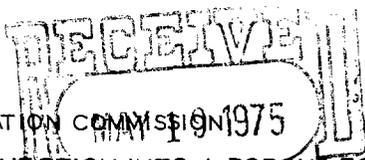
SWD-168 Well No. 1 located in Unit
D of Section 33, Township 3
South, Range 27 East, Lea County,
New Mexico.

Very truly yours,

A. I. WATSON, Jr.
Secretary-Director

Attachment

Oil Conservation Commission
Box 1900
Santa Fe, New Mexico



Form C-108
Revised 3-1-68

NEW MEXICO OIL CONSERVATION COMMISSION 1975

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

OPERATOR Oil Development Company of Texas		ADDRESS American National Bank Building P. O. Box 12058, Amarillo, Texas 79101			
LEASE NAME SFPRR	WELL NO. 6	FIELD West Sawyer (San Andres)		COUNTY Lea	
LOCATION UNIT LETTER <u>D</u> ; WELL IS LOCATED <u>519</u> FEET FROM THE <u>North</u> LINE AND <u>801</u> FEET FROM THE <u>West</u> LINE, SECTION <u>33</u> TOWNSHIP <u>9S</u> RANGE <u>37E</u> NMPM.					

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8-5/8"	417'	325	Surface	Circulated
INTERMEDIATE					
LONG STRING	4-1/2"	5000'	250	4000'	Calculation
TUBING	2-3/8"	3400'	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson Tension @ 3400'		

NAME OF PROPOSED INJECTION FORMATION Grayburg	TOP OF FORMATION 3378'	BOTTOM OF FORMATION 4110'
--	---------------------------	------------------------------

IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing	PERFORATIONS OR OPEN HOLES? perforations	PROPOSED INTERVAL(S) OF INJECTION 3490-3570'
--	---	---

IS THIS A NEW WELL DRILLED FOR DISPOSAL? no	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? oil completion in San Andres zone	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
San Andres perfs 4930-58' & 4963-76'. Will set cast iron bridge plug @ 4850' & spot 20' of

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 300'	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 San Andres 4905'
--	---	---

ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 500	MINIMUM 1000	MAXIMUM closed	OPEN OR CLOSED TYPE SYSTEM pressure	IS INJECTION TO BE BY GRAVITY OR PRESSURE? 850	APPROX. PRESSURE (PSIG) 850
---	-----------------	-------------------	--	---	--------------------------------

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
Coastal States Gas Producing Company, 600 Wilco Building, Midland, Texas 79701

Sun Oil Company, 901 W. Wall, 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	ELECTRICAL LOG yes	DIAGRAMMATIC SKETCH OF WELL yes
--	---------------------	-----------------------	------------------------------------

Bill Oswald
(Signature)

Petroleum Engineer
(Title)

May 14, 1975
(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.

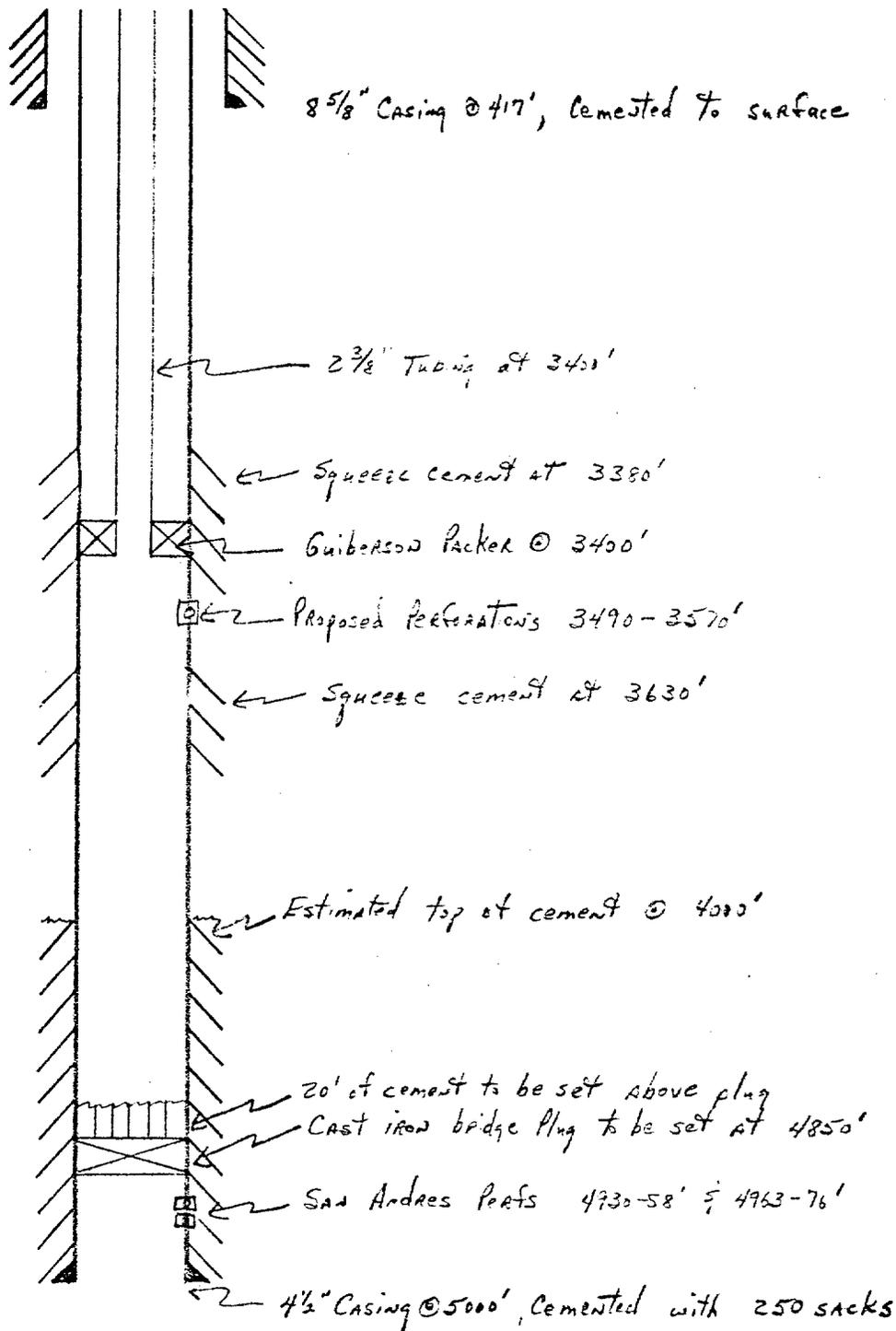
RECEIVED

MAY 13 1975

U.S. CONSERVATION COMMISSION
HOUSTON, TEXAS

Sketch of Proposed Completion
ODCOT SFPRR No 6 well
SALT Water Disposal
LEA County, New Mexico

RECEIVED
MAY 19 1975
OIL CONSERVATION COMM.
Santa Fe



5/14/75 JDO

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE May 8, 1975

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD _____ X
Proposed WFX _____
Proposed PMX _____

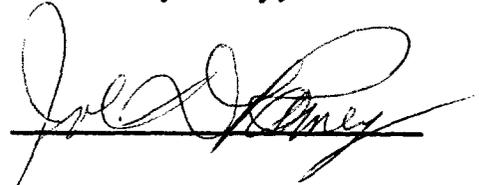
Gentlemen:

I have examined the application dated _____
for the Oil Development Co. of Texas SFPRR #6-D 33-9-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

This should be denied. 1000# injection pressure plus hydrostatic could be
near over-burden pressure. They should determine the quality of the water
in the Dewey Lake. Also feel there should be no disposal in zones above the
salt section---J.D.R.

Yours very truly,



5/12/75 ... talked with ... hearing ... at lower ... C.M.

OIL DEVELOPMENT COMPANY OF TEXAS



A SANTA FE INDUSTRIES COMPANY

May 7, 1975

NM-16-7

New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

RE: Application for Salt Water Disposal
SFPRR No. 6 Well
Lea County, New Mexico

Gentlemen:

Enclosed for administrative approval is Form C-108, Application to Dispose of Salt Water by Injection into a Porous Formation, in triplicate, along with a plat of the area, a copy of the Gamma Ray Sidewall Neutron log and a diagrammatic sketch of the proposed completion. Also enclosed is signed waivers from the surface owner and one of the two operators within a one-half mile radius of the subject well. It is requested that the Commission begin the 15 day waiting period for objections and we will forward the remaining waiver from Sun Oil Company if it comes in during the waiting period.

The proposed formation for disposal purposes is the Dewey Lake, Permian Age, located between the approximate depths of 1937' and 2130' on the attached log. The Dewey Lake formation will be isolated with cement behind the casing before the completion is performed. The source of the injected water will be the salt water produced from the West Sawyer (San Andres) Field completions. The anticipated disposal volume will be between 500 and 1000 barrels per day.

Also enclosed for simultaneous approval are five copies of Form C-101, Application for Permit to Plug Back and three copies of Form C-102, Well Location Plat, that was filed when the well was originally drilled in 1970.

Please advise if there are any questions or additional information required.

Very truly yours,

F. Wayne Kelly
Manager-Operations & Engineering

FWK:dm
Encls.

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

OPERATOR Oil Development Company of Texas		ADDRESS American National Bank Building P. O. Box 12058	
LEASE NAME SFPRR	WELL NO. 6	FIELD West Sawyer (San Andres)	COUNTY Lea
LOCATION UNIT LETTER D ; WELL IS LOCATED 519 FEET FROM THE North LINE AND 801 FEET FROM THE West LINE, SECTION 33 TOWNSHIP 9S RANGE 37E NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8-5/8"	417'	325	Surface	circulated
INTERMEDIATE					
LONG STRING	4-1/2"	5000'	250	4000'	calculation
TUBING	2-3/8"	1900'	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson tension @ 1900'		

NAME OF PROPOSED INJECTION FORMATION Dewey Lake	TOP OF FORMATION 1940'	BOTTOM OF FORMATION 2122'
---	----------------------------------	-------------------------------------

IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing	PERFORATIONS OR OPEN HOLE? perforations	PROPOSED INTERVAL(S) OF INJECTION 1945-2005
---	---	---

IS THIS A NEW WELL DRILLED FOR DISPOSAL? no	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? oil completion in San Andres zone	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
San Andres perfs 4930-58' & 4963-76'. Will set cast iron bridge plug @ 4850' & spot 20' cement above plug.

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 300'	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 San Andres 4905'
---	--	--

ANTICIPATED DAILY INJECTION VOLUME (BBLS.) 500	MINIMUM 1000	MAXIMUM closed	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure	APPROX. PRESSURE (PSIG) 1000 psi
--	------------------------	--------------------------	---	---	--

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 Coastal States Gas Producing Company, 600 Wilco Building, Midland, Texas 79701
--

Sun Oil Company, 901 W. Wall, Midland, Texas 79701

--

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--

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	ELECTRICAL LOG 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.

J. Wayne Kelly
(Signature)

Manager-Operations & Engineering
(Title)

April 24, 1975
(Date)

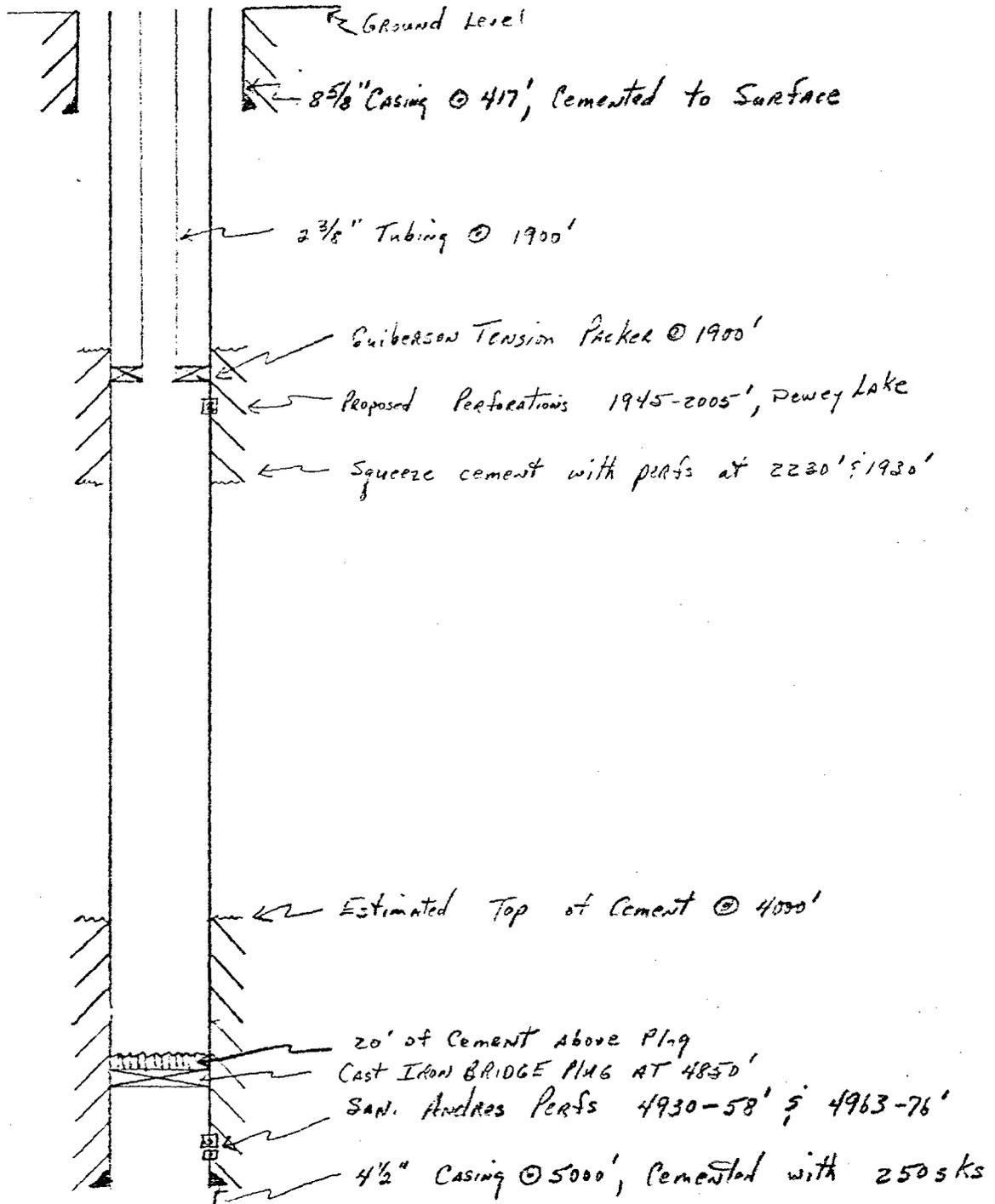
NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. 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.

RECEIVED

MAY - 8 1975

GIL CONSERVATION COMM.
HOBBS, N. M.

Sketch of Proposed Completion
 ODCOT SF PRR No 6 Disposal Well
 Lea County, New Mexico





AMERICAN NATIONAL BANK BUILDING P.O. BOX 12058,
AMARILLO, TEXAS 79101 • PHONE 806/376-5741

OIL DEVELOPMENT COMPANY OF TEXAS

A SANTA FE INDUSTRIES COMPANY

May 8, 1975

NM-16-7

New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

RE: Application for Salt Water Disposal
SFPRR No. 6 Well
Lea County, New Mexico

Gentlemen:

Attached is the remaining waiver from Sun Oil Company in regard to our request mailed May 7, 1975, for administrative approval to Form C-108, Application to Dispose of Salt Water by Injection into a Porous Formation and Form C-101, Application for Permit to Plug Back, on our SFPRR No. 6 well located in Section 33-T9S-R37E, Lea County, New Mexico.

Your earliest attention is requested in this matter as we are presently trucking the produced water from our wells in the West Sawyer (San Andres) Field.

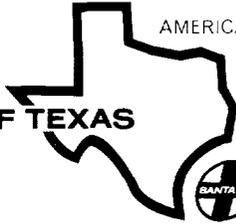
Please advise if there are any questions or additional information required.

Very truly yours,

F. Wayne Kelly
Manager-Operations & Engineering

FWK:dm
Attach.

OIL DEVELOPMENT COMPANY OF TEXAS



AMERICAN NATIONAL BANK BUILDING P.O. BOX 12058,
AMARILLO, TEXAS 79101 • PHONE 806/376-5741

A SANTA FE INDUSTRIES COMPANY

April 24, 1974

NM-16-7

Mr. Michael Harton
Box 24
Tatum, New Mexico

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

Dear Sir:

Attached is our application to the New Mexico Oil Conservation Commission for administrative approval to plug back our SFPRR No. 6 well back to the Dewey Lake formation for salt water disposal. The well is located in the NW/4 of the NW/4 of Section 33-T9S-R37E, Lea County, New Mexico.

This well previously has been a producing well in the San Andres formation. Disposal will be through tubing with a packer set above perforations from 1945' to 2045'. The zone will be isolated with cement behind the casing before completion.

If you have no objection to this application, please sign in the space below and return to us in the self-addressed envelope at your earliest convenience.

Very truly yours,

F. Wayne Kelly

F. Wayne Kelly
Manager-Operations & Engineering

FWK:dm
Attach.

APPROVAL: X

DISAPPROVAL: _____

BY: Michael Harton

BY: _____

TITLE: Rancher

TITLE: _____

DATE: 4/29/75

DATE: _____

Michael Harton

OIL DEVELOPMENT COMPANY OF TEXAS



A SANTA FE INDUSTRIES COMPANY

April 24, 1975

NM-16-7

Coastal States Gas Producing Company
600 Wilco Building
Midland, Texas 79701

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 back our SFPRR No. 6 well back to the Dewey Lake formation for salt water disposal. The well is located in the NW/4 of the NW/4 of Section 33-T9S-R37E, Lea County, New Mexico.

This well previously has been a producing well in the San Andres formation. Disposal will be through tubing with a packer set above perforations from 1945' to 2045'. The zone will be isolated with cement behind the casing before completion.

If you have no objection to this application, please sign in the space below and return to us in the self-addressed envelope at your earliest convenience.

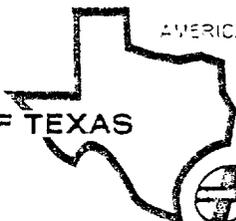
Very truly yours,

F. Wayne Kelly
Manager-Operations & Engineering

FWK:dm
Attach.

APPROVAL: <u>Coastal States Gas Prod Co</u>	DISAPPROVAL: _____
BY: <u>J. B. Shepherd</u>	BY: _____
TITLE: <u>Dist Prod Supt</u>	TITLE: _____
DATE: <u>4-28-75</u>	DATE: _____

OIL DEVELOPMENT COMPANY OF TEXAS



A SANTA FE INDUSTRIES COMPANY

April 24, 1975

NM-16-7

Sun Oil Company
901 W. Wall
Midland, Texas 79701

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 back our SFPRR No. 6 well back to the Dewey Lake formation for salt water disposal. The well is located in the NW/4 of the NW/4 of Section 33-T9S-R57E, Lea County, New Mexico.

This well previously has been a producing well in the San Andres formation. Disposal will be through tubing with a packer set above perforations from 1945' to 2045'. The zone will be isolated with cement behind the casing before completion.

If you have no objection to this application, please sign in the space below and return to us in the self-addressed envelope at your earliest convenience.

Very truly yours,

(Signed) F. Wayne Kelly

F. Wayne Kelly
Manager-Operations & Engineering

FWK:dm
Attach.

APPROVAL: SUN OIL COMPANY

BY: *DR Kelly*

TITLE: Regional Manager Conservation

DATE: May 6, 1975

DISAPPROVAL: _____

BY: _____

TITLE: _____

DATE: _____