

RECEIVED
SEP 29 1971



CITIES SERVICE OIL COMPANY OIL CONSERVATION COMM.
SANTA FE

Box 69
Hobbs, New Mexico 88240
Telephone: 505 EX 3-2177

September 24, 1971

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

Attn: Mr. A. L. Porter, Jr.

W-361
Blue 1st 14

Gentlemen:

Cities Service Oil Company operator of the Southeast Maljamar Grayburg-San Andres Unit, Maljamar Field, Lea County, New Mexico, requests administrative approval as provided in Rule 701 and Order R-3134 for the conversion of the following wells to injection:

Tract 6 Well No. 3, Unit K, Section 29, T-17S, R-33E
Tract 6 Well No. 4, Unit M, Section 29, T-17S, R-33E
Tract 7 Well No. 1, Unit O, Section 29, T-17S, R-33E

Conversion of the above three wells will increase the density of injection wells and form two five spot flood patterns. The conversion will help the closer spacings in the Unit and should result in a more thorough and efficient sweep of oil by the injected water.

The injection wells will be equipped with cement lined tubing and a packer to prevent possible contamination of fresh water zones in the event of a casing leak. The attached schematic diagrams indicate the size of casing strings, including diameters and setting depths, quantities used and top of cement, open hole intervals, tubing strings, including diameters and setting depths, and type and location of packers and other pertinent data.

Water injection will be into the Grayburg-San Andres formation at approximately 400 barrels per day. Continental Oil Company will supply 95 percent of the injected water from the Ogalalla fresh water sand with the remaining 5 percent being produced water from the Grayburg-San Andres formation.

A copy of this application along with attachments has been sent to each offset operator.

Very truly yours,

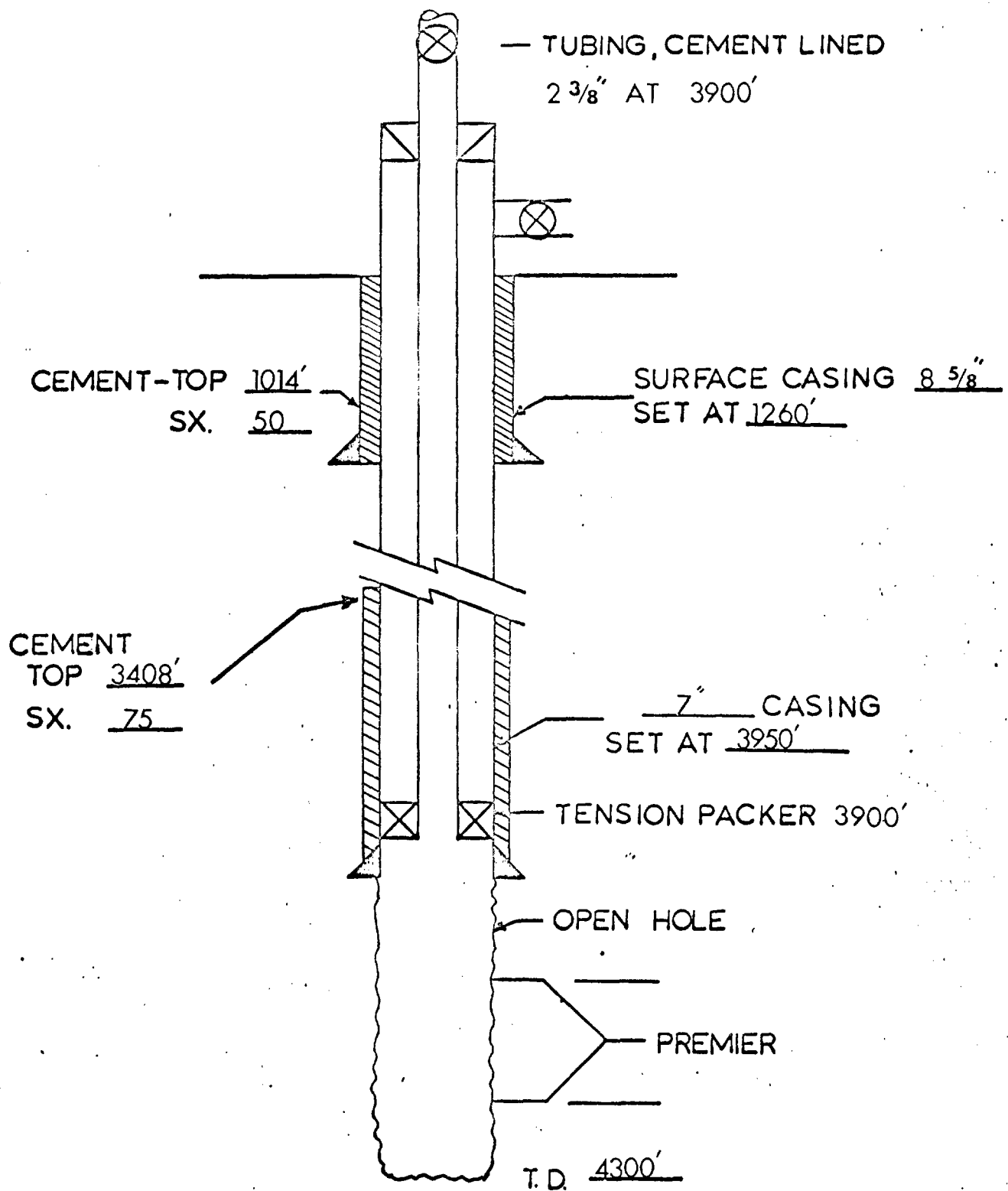
CITIES SERVICE OIL COMPANY

E. Y. Wilder
E. Y. Wilder, District Manager

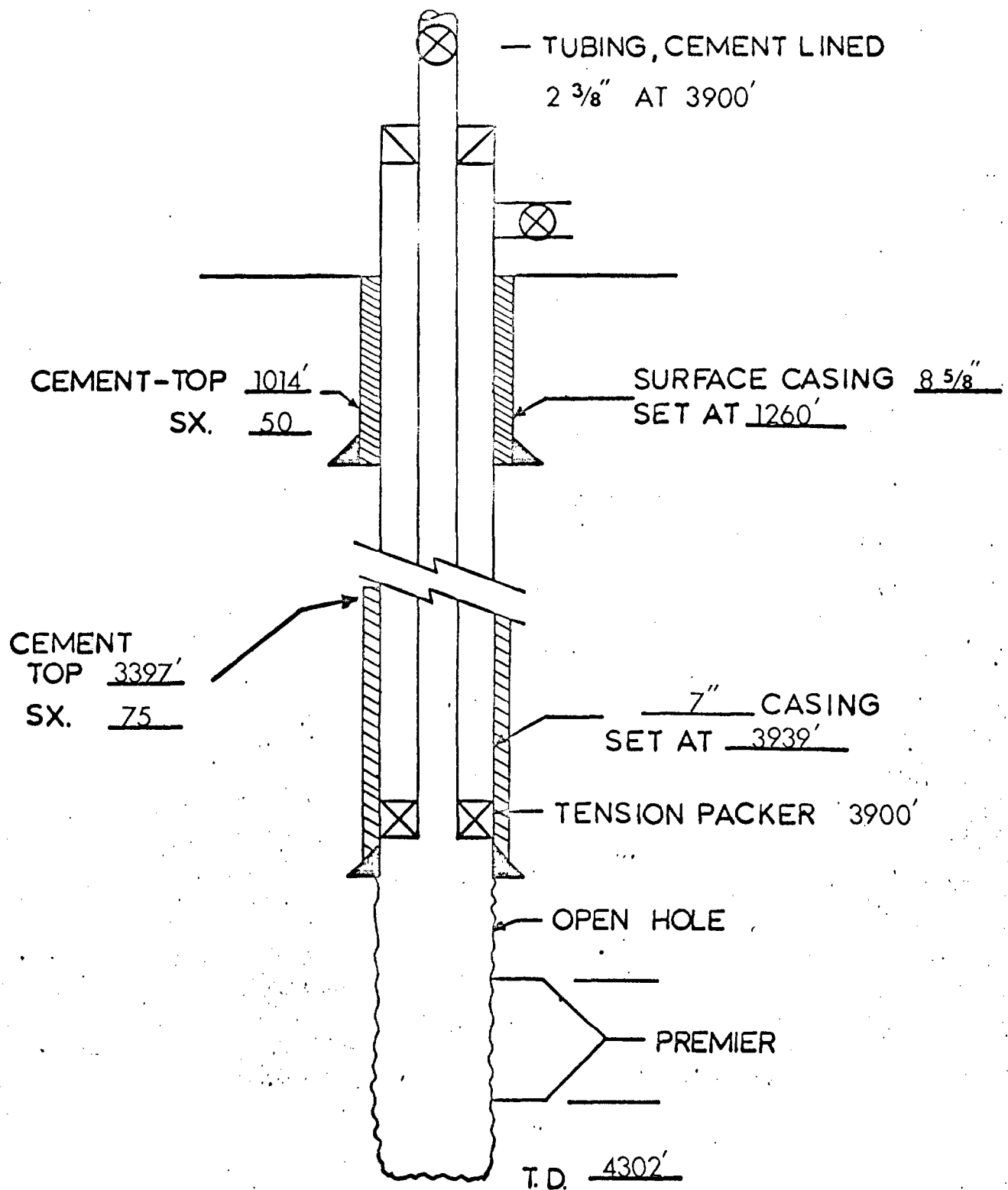
EYW/BB/ed
Attachments

cc: H.N. Sweeney, P.O. Box 1582, Roswell, N.M.

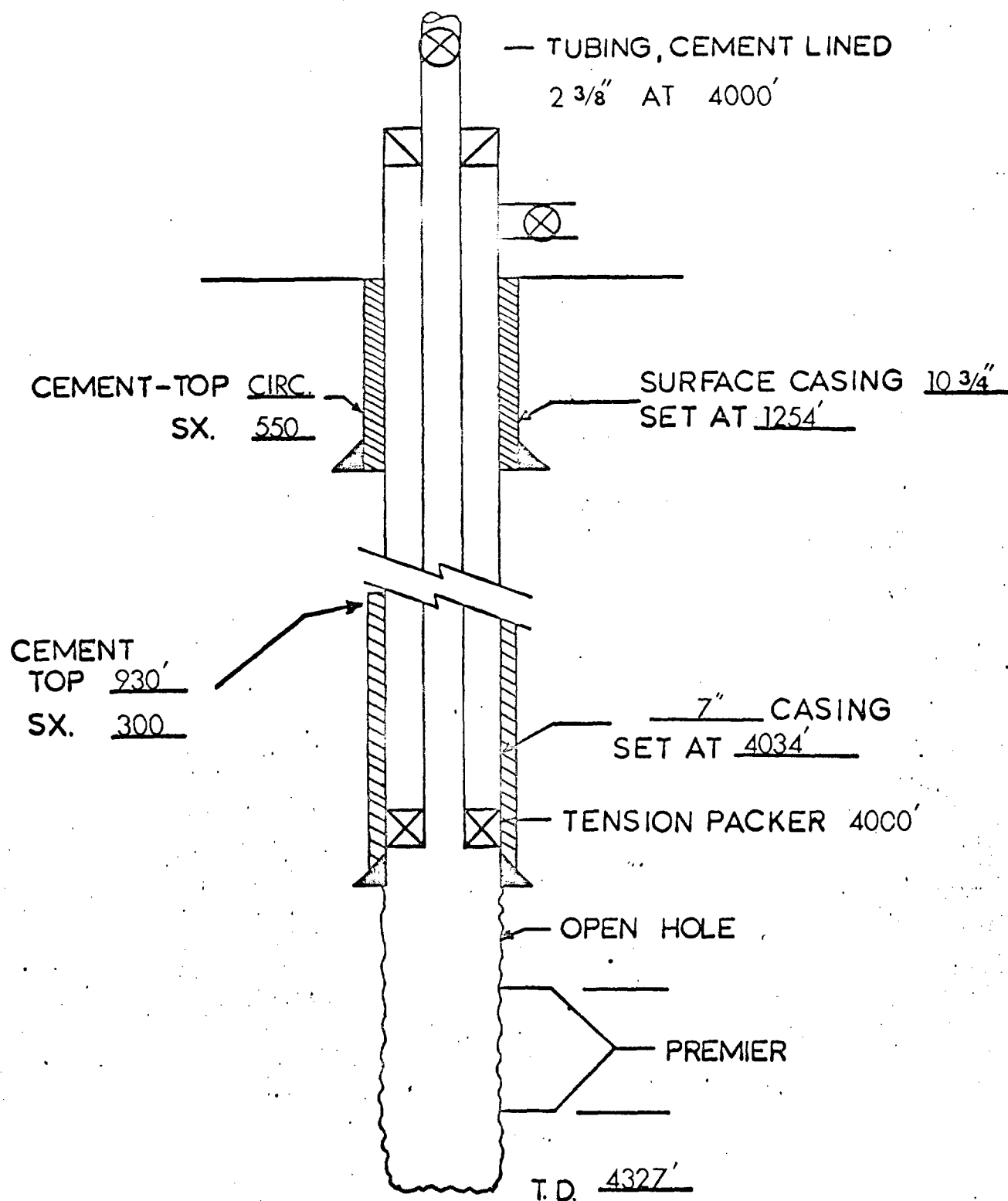
SEM UNIT
CITIES SERVICE OIL CO.
WATER INJECTION WELL SCHEMATIC
TRACT 6 WELL NO. 3



SEMI UNIT
CITIES SERVICE OIL CO.
WATER INJECTION WELL SCHEMATIC
TRACT 6 WELL NO. 4



SEMI UNIT
CITIES SERVICE OIL CO.
WATER INJECTION WELL SCHEMATIC
TRACT 7 WELL NO. 1



NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

Circle
Revised 1-1-65

Operator		Pool		County													
CITIES SERVICE OIL COMPANY		Maljamar Grayburg San Andres		Lea													
Address		TYPE OF TEST - (X)		Completion		Special											
P.O. Box 69, Hobbs, N.M. 88240		SCHEDULED		Completion		Special											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.				
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.		
Comparison of tests showing response to waterflood.	SMGSAU Tract 6	3	K	29	17	33	4-5-67	P	-	-	-	-	24	2	5	18.0	3,600
	"	3	K	29	17	33	4-9-68	P	-	-	-	-	24	0	3	TSTM	
	"	3	K	29	17	33	3-24-71	P	-	-	-	-	24	1	7	TSTM	
SMGSAU Tract 6	"	4	M	29	17	33	4-6-67	P	-	-	-	-	24	2	7	7.65	1093
	"	4	M	29	17	33	3-18-68	P	-	-	-	-	24	0	14	10.64	760
	"	4	M	29	17	33	3-3-71	P	-	-	-	-	24	4	8	8	1000
SMGSAU Tract 7	"	1	O	29	17	33	4-26-67	P	-	-	-	-	24	6	12	23.40	1950
	"	1	O	29	17	33	4-3-68	P	-	-	-	-	24	4	9	24.44	2716
	"	1	O	29	17	33	3-26-71	P	-	-	-	-	24	5	31	22	917

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

David Brown
(Signature)

Production Engineer

(Title)

September 24, 1971

(Date)



CITIES SERVICE OIL COMPANY

Box 69
Hobbs, New Mexico 88240
Telephone: 505 EX 3-2177

September 27, 1971

Mr. H. N. Sweeney
P.O. Box 1582
Roswell, New Mexico 88210

Dear Mr. Sweeney:

Cities Service Oil Company would appreciate your sending a waiver of objection for the proposed conversions to Mr. A. L. Porter, Jr., Oil Conservation Commission, State of New Mexico, P.O. Box 2088, Santa Fe, New Mexico 87501. This waiver will allow us to avoid the normal fifteen day waiting period.

Sincerely,

CITIES SERVICE OIL COMPANY


E. Y. Wilder
District Manager

EYW/BB/ed



Box 69
Hobbs, New Mexico 88240
Telephone: 805 EX 3-2177

CITIES SERVICE OIL COMPANY

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Good

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H. N. SWEENEY
P. O. BOX 1582 - ROSWELL PETROLEUM BUILDING
ROSWELL, NEW MEXICO
88201

RECEIVED
SEP 28 1971

September 28, 1971 OIL CONSERVATION COMM.
SANTA FE

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

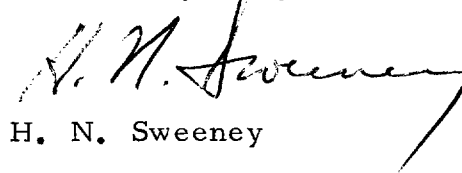
Attention: Mr. A. L. Porter, Jr.

Gentlemen:

I received a copy of the application of Cities Service Oil Company for approval of conversion of three wells in the Southeast Maljamar Grayburg-San Andres Unit to injection wells.

I have no objection to the proposed conversions.

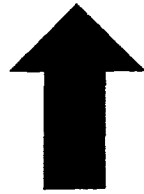
Yours very truly,



H. N. Sweeney

HNS:mt

cc: E. Y. Wilder
District Manager
Cities Service Oil Company
Box 69
Hobbs, New Mexico 88240



LTR



Job separation sheet



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

October 24, 2000

Cross Timbers Operating Company
3000 North Garfield
Suite 175
Midland, Texas 79705

Attention: Mr. D. Patrick Darden

Re: SEMGSAU Well No. 604
660' FSL & 660' FWL (Unit M)
Section 29, T-17S, R-33E
Lea County, New Mexico

Dear Mr. Darden:

As per your request dated October 4, 2000, the injection authority for the Cross Timbers Operating Company Southeast Maljamar Grayburg San Andres Unit (SEMGSAU) Well No. 604, granted by Division Order No. WFX-361 dated October 14, 1971, is hereby reinstated.

This well shall be operated in accordance with the provisions of Division Rules No. 701 through 708.

Sincerely,

David Catanach
UIC Engineer

Xc: File-WFX-361
OCD-Hobbs
Attn: Sylvia Dickey