



12 December, 1975

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

430
~~111~~
1/26/76

Gentlemen:

As a result of a hearing before the Commission on November 4, 1968, Order No. R-3550, the Commission authorized Champlin Petroleum Company to institute the Champlin Chaveroo Lauck Waterflood Project and the Champlin Chaveroo State 32 Waterflood Project in the Chaveroo - San Andres Pool, Roosevelt County, New Mexico.

Champlin requests Administrative Approval to expand this project by converting Lauck-Federal No. 13, located in Unit N of Section 29, T-7-S, R-33-E, Chaveroo - San Andres Pool, Roosevelt County, New Mexico, to water injection.

In support of this application, the following data is submitted:

Form C-108
Plat of Area
Diagrammatic Sketch of Proposed Injection Well
Waiver Request to Offset Operator
Analysis of Water to be Injected

In accordance with Commission rules and regulations, a copy of the application has been mailed this date to all operators offsetting the proposed injection well. Additionally, it has been requested of these operators, as well as the surface owner of the land, to waive any objection to the conversion of this well to water injection and to so indicate by mailing an executed copy of the waiver request to the Commission in Santa Fe.

If additional information is needed, please advise this office.

Yours very truly,

CHAMPLIN PETROLEUM COMPANY

D. C. Condie

D. C. Condie
District Engineer


DCC:bg
cc: NMOCC - Hobbs
USGS - Hobbs

Champlin Petroleum Company
~~701 Wilco Building~~
701 Wilco Building
Midland, Texas 79701
915/682-3775

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

OPERATOR Champlin Petroleum Company		ADDRESS 701 Wilco Bldg, Midland, Texas 79701	
LEASE NAME Lauck-Federal	WELL NO. 13	FIELD Chaveroo (San Andres)	COUNTY Roosevelt
LOCATION UNIT LETTER N ; WELL IS LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE, SECTION 29 TOWNSHIP 7-S RANGE 33-E NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	8-5/8"	365'	250
INTERMEDIATE			
LONG STRING	4-1/2"	4455'	325
TUBING plastic coated internally	2-3/8"	4150'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker AD-1
NAME OF PROPOSED INJECTION FORMATION San Andres		TOP OF FORMATION 4040'	BOTTOM OF FORMATION 4455'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? internal coated tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 4204-4408'
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? No
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH None			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 170'		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.) 400	MINIMUM 200	MAXIMUM 600	OPEN OR CLOSED TYPE SYSTEM closed
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 -		IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure	APPROX. PRESSURE (PSI) 600
WATER TO BE DISPOSED OF Yes		NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Federal Lessee - George A. Lauck, 935 Olive St., Fresno, Calif. 93728			
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Tom S. Schneider - Route 2, Box 562, Eagle Pass, Texas 78852			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	
Yes - USGS		Yes	
THE NEW MEXICO STATE ENGINEER			
No			
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		ELECTRICAL LOG	
Yes		Yes	
		DIAGRAMMATIC SKETCH OF WELL	
		Yes	

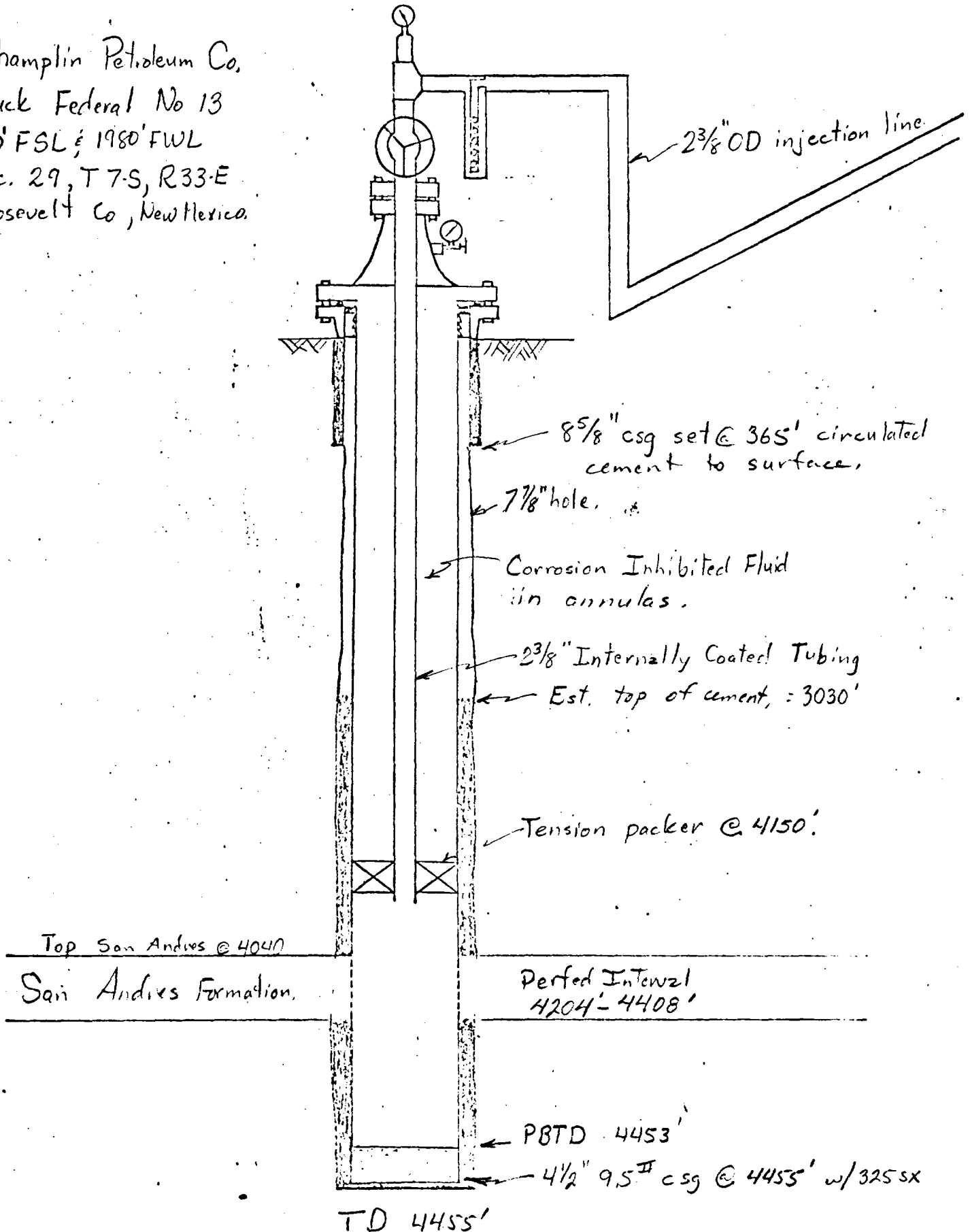
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

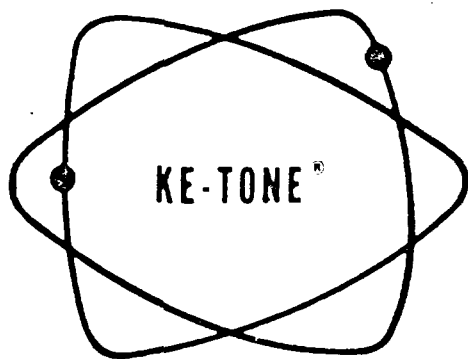
 D. C. Condie (Signature)	District Engineer (Title)	12/12/75 (Date)
---	-------------------------------------	---------------------------

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.

Diagram of Proposed Injection Well.

Champlin Petroleum Co.
 Lauck Federal No 13
 660' FSL; 1980' FWL
 Sec. 29, T 7-S, R 33-E
 Roosevelt Co, New Mexico.





D.C.

TELEPHONE: HOBBS 393-7751
AREA CODE - 505

UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH

HOBBS, NEW MEXICO 88240

P. O. BOX 1499

Company

Champlin Oil Company

Field

San Anres - Chavero Field

Lease

Lauck Federal #13

Sampling Date 12-20-74

Type of Sample

Wellhead

WATER ANALYSIS

IONIC FORM	me/l *	mg/l *
Calcium (Ca++)	1,880.00	37,600
Magnesium (Mg++)	1,133.04	13,596
Sodium (Na+) (calculated)	2,498.67	57,444
Iron (Total)		1,200
Bicarbonate (HCO ₃ -)	7.30	445
Carbonate (CO ₃ -)	Not	Found
Hydroxide (OH -)	Not	Found
Sulphate (SO ₄ -)	5.41	260
Chloride (Cl -)	5,499.00	195,000
ph c 6.5 °F 68		
Dissolved Solids on Evap. at 103° - 105° C		
Hardness as Ca CO ₃	3,013.04	150,652
Carbonate Hardness as CaCO ₃ (temporary)	7.30	365
Non-Carbonate Hardness as CaCO ₃ (permanent)	3,005.74	150,287
Alkalinity as CaCO ₃	7.30	365
Specific Gravity c 68° F 1.210		

MOORE BUSINESS FORMS INC. LA

* mg/l = milligrams per Liter

* me/l = milliequivalents per Liter

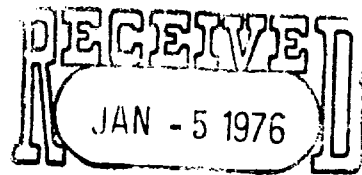
CaCO₃ s.i. positive @ 86° F (2.81)

CaSO₄ s.i. negative

~~~~~ Makes Water Work ~~~~~

# champlin

12 December, 1975



OIL CONSERVATION COMM.  
Santa Fe

Tom S. Schneider  
Route 2 Box 562  
Eagle Pass, Texas 78852

Re: Champlin Petroleum Company  
Lauck-Federal No. 13  
Chaveroo - San Andres Pool  
Roosevelt County, New Mex.


Dear Mr. Schneider:

Champlin Petroleum Company proposes to convert the subject well, located in Unit N of Section 29, T-7-S, R-33-E, Chaveroo - San Andres Pool, Roosevelt County, New Mexico, to water injection. Attached for your review are copies of Application Form C-108, Area Plat & Diagrammatic Sketch.

If you, as offset operator, have no objection to this application, please execute two copies of this letter, forwarding one copy of the New Mexico Oil Conservation Commission in Santa Fe, New Mexico and returning one copy to our office in Midland. Included for your convenience are pre-addressed envelopes.

Yours very truly,

CHAMPLIN PETROLEUM COMPANY

  
D. C. Condie  
District Engineer

DCC:bg  
Attachments

APPROVED: 

DATE : 

Champlin Petroleum Company  
~~XXXXXXXXXX~~  
701 Wilco Building  
Midland, Texas 79701  
915/682-3775

OIL CONSERVATION COMMISSION  
Hobbs DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE December 15, 1975

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

Gentlemen:

I have examined the application dated \_\_\_\_\_  
for the Champlin Pet. Co. Lauck Federal #13-N 29-7-33  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.S.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

*my sister*