## champlin E

12 December, 1975

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

# 1 1 . . . <del>-</del>

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 bopy 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
District Engineer

Id C. Conda

DCC:bg

cc: NMOCC - Hobbs USGS - Hobbs

Champlin Petroleum Company **\*\*\* \*\*** 

#### NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Cham	nlin Petro	leum Compai	nv	701	Wilco	Bldg, Midla	ıd. Te	xas 79701	
Champlin Petroleum Company			FIELD						
Lauck-Federal			13	f		San Andres)	Roosevel	t	
LOCATION		N	660	)		South		1980	
	UNIT LETTER	; w	ELL IS LOCATED	FEET	FROM THE	L	INE AND	FEET	FROM THE
West	LINE, SECTION	29 TO	OWNSHIP 7-S	RANGE 3	3-E	NMPM.			
			CASING	AND TUBING D	ATA				
NAME OF	STRING	SIZE	SETTING DEPTH	SACKS CE	MENT	TOP OF CEME	NT	TOP DETERMINE	DBY
SURFACE CASING		0 = /0!!	2651	0.50		0 5			
		8 <b>-</b> 5/8''	365'	250		Surface		circulated	
INTERMEDIATE									
				<u> </u>					
LONG STRING		4-1/2"	44551	325		3197'		80% vol. calc	
THRING		4-1/2	1	NAME, MODEL AN	O DEPTH OF	Į.		OU% VOI. Calc	•
plastic coa		/				TODING FACKER			
internally	INJECTION FORMA	2-3/8"	4150	Baker A	D-I DRMATION		воттом	OF FORMATION	
San And					4040 <b>'</b>			4455 <b>'</b>	
IS INJECTION THROU		G, OR ANNULUS?	PERFORATIONS	OR OPEN HOLE?	PROPOSED	INTERVAL(S) OF INJE	CTION		
internal	l coated to	ubing	Perfor	ations	420	4-4408 <b>1</b>			
IS THIS A NEW WELL DISPOSAL?		-	S NO, FOR WHAT PURPOS	E WAS WELL ORI	SINALLY DR	RILLED?	HAS WEL	L EVER BEEN PERFORAT	ED IN ANY
No		o <b>i</b>	l producer				TION ZO	No No	D 111320
LIST ALL SUCH PERF	FORATED INTERVAL	S AND SACKS OF C	EMENT USED TO SEAL O	FF OR SQUEEZE E	ACH				
Not	ne								
DEPTH OF BOTTOM OFRESH WATER ZONE	F DEEPEST		DEPTH OF BOTTOM OF OIL OR GAS ZONE IN T	NEXT HIGHER HIS AREA		DEPTH OF TO	P OF NEXT	LOWER IS AREA	
		70 <b>'</b>	Nor					None	
ANTICIPATED DAILY	MINIMUM	MAXIMUM	OPEN OR CLOSE	D TYPE SYSTEM	IS INJ	ECTION TO BE BY GRA	VITY OR	APPROX. PRESSURE (	PSI)
(BBLS.) 400	200	600	clos			pressure	·•	600	
ANSWER YES OR NO	DEGREE AS TO BE	E UNFIT FOR DOME:	RE MIN- WATER	TO BE DISPOSED	OF NATUR	RAL WATER IN DISPO- ONE	ARE WAT	ER ANALYSES ATTACHE	)?
STOCK, IRRIGATION,			STATE OR FEDERAL LAND	Yes		Yes	l	Yes	
					_				
Federal Les	ssee - Geo	rge A. Laud	ck, 935 Olive	St., Fres	no, Ca	1if. 93728			
			-			. 0			
Tom S. Schi	neider - Re	oute 2, Box	k 562, Eagle E	ass, Texa	s /883	2			
<del></del>									
		-		<del></del>					
HAVE COPIES OF THIS APPLICATION BEEN SURFAGE		EN SURFACE OW	ACE OWNER		EACH OPERATOR WITHIN ONE-HALF MILE		THE NEW MEXICO STATE ENGINEER		
SERI TO EACH OF T		Yes	- USGS		Yes			No	
ARE THE FOLLOWING	ITEMS ATTACHED SEE RULE 701-B)			ELECTRICA	L LOG		DIAGRAM	MATIC SKETCH OF WELL	
<u></u>		Yes		l I	Yes		1	Yes	
	I hereby ce	rtify that the in	formation above is t	rue and compl	ete to the	best of my know	ledge an	d belief.	
~	•	,		-		-	_		
	Condi	ž.	Dist	rict Engi	neer			12/12/75	

NOTE: Should waivers from the State Engineer, the surface owher, and all operators within one-half mile of the proposed injection well.

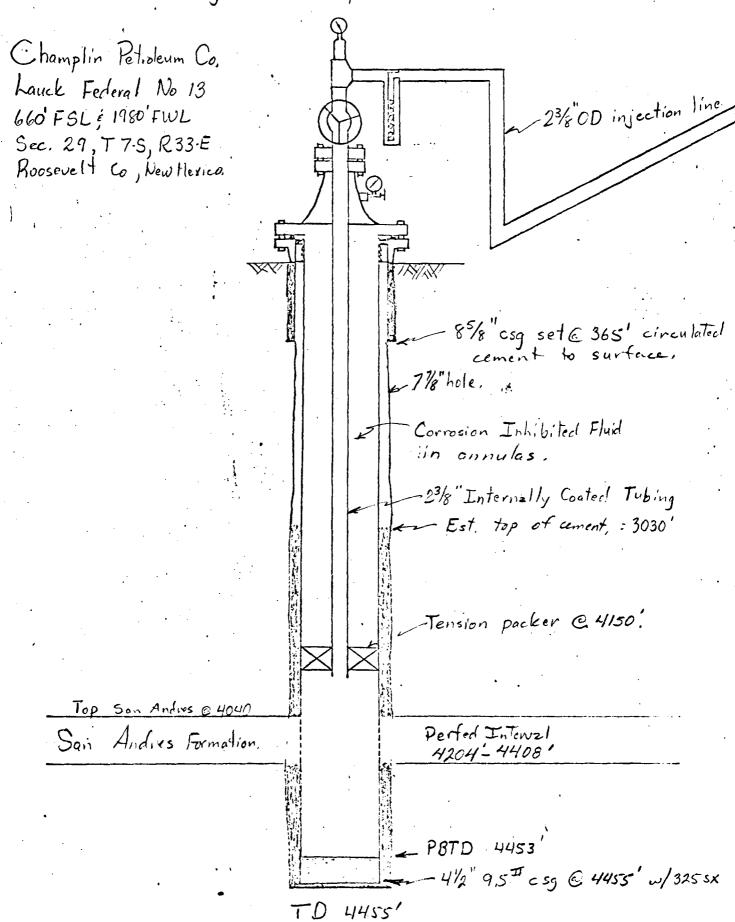
not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days
from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing,
if the applicant so requests. SEE RULE 701.

D. C. Condie (Signature)

(Title)

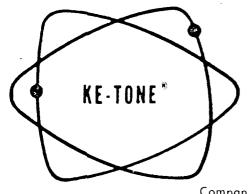
T.PRUITT CHAMPLIN et al		TENNECO
4484 4445/ 4505 4415 "Todhunter-Fe1."	GEROR Royal 4478 -QI-A 20 4370	(CLINTON) 4416 21-A 438021
D. C. COLLIER (GEROR) 4447 .● '3 4685 "Roya I- Fed."	4436 -4430 67 4 -5 19 3-A 19 4-A 4340 4349 4450 4350 SUN OIL	4426 TENNECO (CUNTON) 64 "21"
VIKING 4448 Fed. : 4445 5 91-10 91 4695 US	4438 4430 ●2	4429 4413 4 <b>1 2 3</b> 4400 4375 4373 4
FLR OIL HUMBLE 4444 4444 4443 4443 4405 (SO'WTN) Andrews Fed. Fed.	GEROR 4429  4429  4425  4425  GEROR  4429  4429  4422  GEROR  4429  4422  GEROR  4429  4422  GEROR  4429  4422	COQUINA -1424 Ø 13 <b>©</b> 14 <b>Ø</b> 15 <b>Ø</b> 16 4448 4460 4462 4442 (PAN AM, CPC)
4451 4400 4436 4418 4425 30	●	968 912 911 4450 4453 4454 4448 41
FLR OIL (WSTN.STS)  3	10 11 12 02 4439 4433 4438 4442 "Lquck ""Fed" Propo	DALP 441  2
4470 4494 4470 8 5.1. 4 4480 4450 4464 4443 W. E. ARCHER U. S	1440 In Inje	CTOT30 4422 4 \$1 \$3 \$4 \$6 4411 4474 4455 4462 4 US "Fe
MILFORD PIPE B SUPPLY T SCHNEILEN (CAYMAN CORP) 4450 4458 4351 4359 4443 "Hondo-St"	CPC,etal   CPC,etal   CPC V2 W.AM V2 4449   4739   4438   4436  3(13)	SUN SKELLY SKELLY 4430 (SUNRAY) 4432 4430 4421 5.AZ 3.AZ 2.T 6.T 4470 4481 4515 4475 4 "Hob
4470 9 2 4325 4425 4457 4457 451 5 6 4358 4354	CHAMPLIN 1/2 W AMER 1/2 CPC 1/2 W AM 1/2 4442  S.I. 9 9 4480   4384  Hondo"	SKELLY  1-T
HOLMAC (SHELL)  4450 CO JUINA4465 (SHELL)  4458 3.CVB  4450 2.8  4450 4450 4450  4451 2.8  4450 3.CVB  4450 3.CVB	4443 6 6 4491 4480 4385	SKELLY SUN (SUNRAY) SKELLY SUN (SUNRAY) ON
TL INGRAM  4468 4468 4465 4456  61-A 4468 62-CVB 61-CVB  4338' 434' D 4450 4450  "Chavereo St" State	, 4447 4444 4435 , ⊕7 ⊕6 ⊕4 4481 4479 4484 State	"Hobbs" 426 (SUNA." 4499 4510 State 4525 4900
WISER O:L  4474	CHAMFLIN 1/2 CHAMPLIN 1/2 W.AM 1/2 4452 WAMER 1/2 4452  2 -A	WISER OIL CPC et al SOWEST'N, CPC, et al
CHAMPLIN PET CO.  4472 4471 "6" 4468 # 8  4405 4401 4411 4411		Champlin Petroleum Co.
CHAMPUN 6 9 9 9172	5 <b>,</b>	Chaveroo Field Proposed Water Injector Lauck-Federal No 13 SE Sw Sec 29, TT-5, R33E Roosevelt. County, N. M.
		Roosevelt. County, N.M. GE

### Diagram of Proposed Injection Well.



TELEPHONE: HOBBS 393-7751

AREA CODE - 505



#### CORPORATION UNITED CHEMICAL

601 NORTH LEECH

P. O. BOX 1499

HOBBS, NEW MEXICO 88240

Champlin Oil Company Company San Anres - Charerco Field Field. Lauck Federal #13 Sampling Date 12-20-74

Wellhead Type of Sample

WATER ANALYSIS

	YATER ANALIS	)	···
	IONIC FORM	me/l •	mg/l *
Calcium (Ca++)	,	1,880.00	37,600
Magnesium (Mg++)		1,133.04	13,596
	culated)	2,498.67	57,444
Iron (Total)	A CONTRACTOR OF THE CONTRACTOR		1,200
	The second secon	**************************************	
			The set decided Appropriate Commence and Com
	, , , , , , , , , , , , , , , , , , ,		**************************************
0: 1 : (1/60 )			
Bicarbonate (HCO <sub>3</sub> )		7.30	445
Carbonate (CO 3 -)		Not	Found
Hydroxide (OH-)	e e e e e e e e e e e e e e e e e e e	Not	Found
Sulphate (SO <sub>4</sub> -) Chloride (C1 -)		5.41	260
Chioride (CT-)	. As a second se	5,499.00	195,000
	and the second s		An install detrogen repair to the county on the layers depend on the respective
	gang ang ang ang ang ang ang ang ang ang	N. (1961 & 1971 )	TO MENT AND ADMINISTRAÇÃO DE SERVICIO DE MENTE PARTIE DE SERVICIO DE SERVI
	. A control of the company time. We see the control of the control		* F Antonio del parte parte del consentación del consenta
ph c 6.5°F 68	The second secon		A STATE of Conference and a second conference of Conference and Conference of Conferen
Dissolved Solids on Eva	p. at 103° - 105° C		The second participate is the constant region of the second constant in the constant in t
Hardness as Ca CO3		3,013.04	150,652
Carbonate Hardness as		7.30	365
	ss as CaCO <sub>3</sub> (permanent)	3,005.74	150,287
Alkalinity as CaCO,	The state of the s	7.30	365
Specific Gravity c 68° 1	F 1.210		
•			
	The second secon		* 19 months and another designation are the second
		unun ooma oo ta'u ta'u u uu uu ah	Months and the second of the s

- mg/l= milligrams per Liter
- \* me/l = milliequivalents per Liter

 ${\rm CaCO_3}_4$  s.i. positive @  ${\rm 86^0}^{-}{\rm F}$  (2.81)  ${\rm CaSO_4^3}$  s.i. negative

# champlin E

12 December, 1975



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

1) C. Conolis

DCC:bg

Attachments

APPROVED:

915/682-3775

DATE

Champlin Petroleum Company 宋文中本本文章 701 Wilco Building Midland, Texas 79701

### OIL CONSERVATION COMMISSION Hobbs DISTRICT

	CONSERVATION COMMISSION 2088		DATE	December 15	<b>,</b> 1975
	TA FE, NEW MEXICO		RE: P	roposed MC	
	•			roposed DHC	
				roposed NSL	
				roposed SWD	
				roposed WFX	
			P	roposed PMX	
Gent	lemen:				
	I have examined the application	on dated			·
for	the Champlin Pet. Co.	Lauck	Federal	#13-N	29-7-33
	Operator	Lease and W	ell No.	Unit,	S-T-R
and	my recommendations are as follo	ows:			
			Yours	very truly,	
			1	of the	2