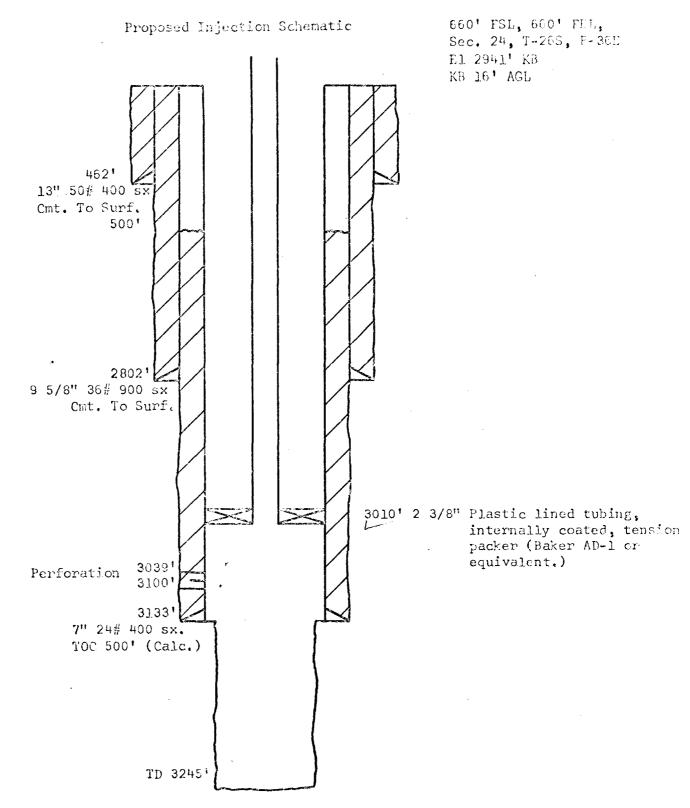
### NEW MEXICO OIL CONSERVATION COMMISSION

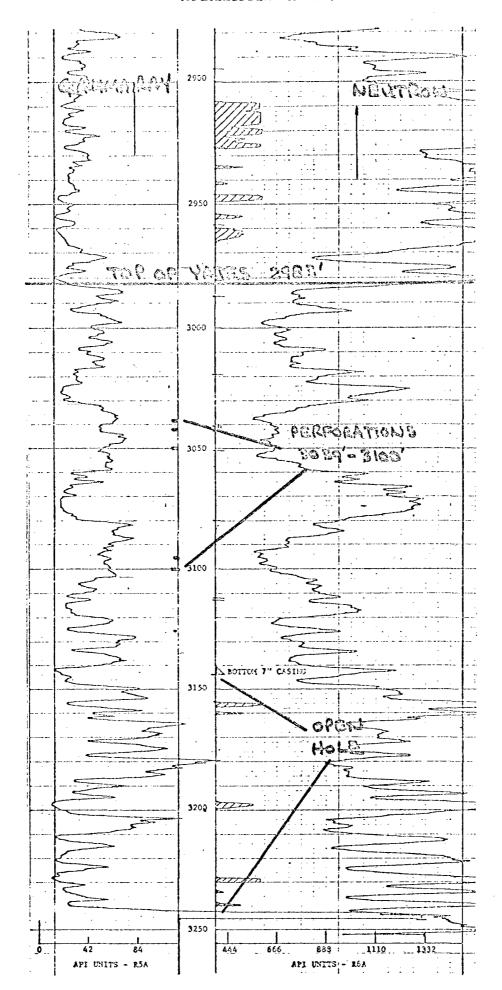
# APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

Con1	tinental	Oil Comp	any	P. (	D. Box	460, Hob	bs, N	ew Mexico
McCa	allister	3			ıgh		Lea	
OCATION U	NIT LETTER	p ; we	LL IS LOCATED	660 FEET	FROM THE	S	NE AND	660 FEET FROM
E .	INE, SECTION	24 TOV	VNSHIP 265		36E	NMPM.		
NAME OF 5	TRING	SIZE	SETTING DEPTH	S AND TUBING D		TOP OF CEME	NT T	TOP DETERMINED BY
URFACE CASING					,,		+	
		13"	462'	400		0'		Calc.
NTERMEDIATE		9 5/8"	2802'	900		0 '		Calc.
ONG STRING		7"	3133'	400		500'		Calc.
UBING	NIECTION FORMA	2 3/8"	3010'	Baker AI	)-1 or	equivaler		3010'
IAME OF PROPOSED I	Yates	104		TOP OF FO		29831	1	270' est.
S INJECTION THROUG		, OR ANNULUS?	PERFORATION	IS OR OPEN HOLE?	PROPOSED	INTERVAL(S) OF INJE	7	270 030,
	Tubing		Вс	oth	3039'-3100' and 3133"-3245'			
S THIS A NEW WELL ISPOSAL?	DRILLED FOR	IF ANSWER IS	NO, FOR WHAT PURPO	OSE WAS WELL ORI	E WAS WELL ORIGINALLY DRILLED?  HAS WELL EVER BEEN PERFORATE ZONE OTHER THAN THE PROPOSED			
	No		ucing Oil				TION ZON	E? No
IST ALL SUCH PERF	ORATED INTERVAL	s and sacks of ce Non	e	OFF OR SQUEEZE E	ACH			
EPTH OF BOTTOM OF RESH WATER ZONE	DEEPEST N THIS AREA	200'	DEPTH OF BOTTOM COLL OR GAS ZONE IN	None		DEPTH OF TO	ONE IN THE	S AREA C
NTICIPATED DAILY NJECTION VOLUME 88LS.)	1	I MAXIMUM	1	SED TYPE SYSTEM	IS INJ	ECTION TO BE BY GRA	VITY OR	APPROX, PRESSURE (PSI)
	; 400	1500		osed	05 NATUS	Gravity NATURAL WATER IN DISPO- AF		D O
NSWER YES OR NO W RALIZED TO SUCH A STOCK, IRRIGATION,				No	SAL ZO	No	ARE WAT	Yes
			TATE OR FEDERAL LA		T	P. a a. a		
IST NAMES AND ADD	PIF. FTA	PERATORS WITHIN	y, Box 161	F THIS INJECTION	VELL	exas		
	None							
		•						
				i e				
							<del></del>	
AVE COPIES OF THIS	S APPLICATION BE E FOLLOWING?	EN SURFACE OWN	IER	EACH OPE		IN ONE-HALF MILE		
RE THE FOLLOWING THIS APPLICATION (S		TO PLAT OF ARE.	Α	ELECTRIC	AL LOG		DIAGRAM	MATIC SKETCH OF WELL
	I harabu ca	rtify that the inf	formation shave is	true and compl	ete to the	hest of my knowl	edge and	! helief

(S:	(Tiels)	(Date)
(Signature)	(Title)	

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 Santz 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.







# UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH

P. O. BOX 1499

HOBBS, NEW MEXICO 88240

-Company	OmponyContinental OII Company						
Field	SCARBOROUGH YATE	S SEVEN RIVERS					
Lease	McAlister A #5	Sampling Date	4 - 28 - 70				
•	ple						
Type of Saint	)Te						

## WATER ANALYSIS

		WATER ANALYSIS		
	IONIC FORM		me/l *	mg/l *
Calcium (Ca++)			6.59	132
Magnesium (Mg++)			8.72	106
Sodium (Na+)		(Calculated)	130.63	3,003
Iron				0.91
		• .		
,			•	
_arbonate (HCO3)			30,99	1,891
Carbonate (CO 3 -)	•		NOT	FOUND
Hydroxide (OH-)			NOT	FOUND
Sulphate (SO <sub>4</sub> -)			1.02	49
Chloride (CI-)			113.93	4,040
			·	
.9 ph c 68F				
Dissolved Solids on Evap. at	103°- 105° C			
Hardness as Ca CO <sub>3</sub>			15.31	766
Carbonate Hardness as CaCC	(temporary)		30.90	1,550
Non-Carbonate Hardness as	15.31	766		
Alkalinity as CaCO <sub>3</sub>			30.90	1,550
Specific Gravity c 68° F			1.005	
				MOODE SUSINESS CON LEVING

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

Calcium Carbonate scaling index positive at 86°F. (1.39)

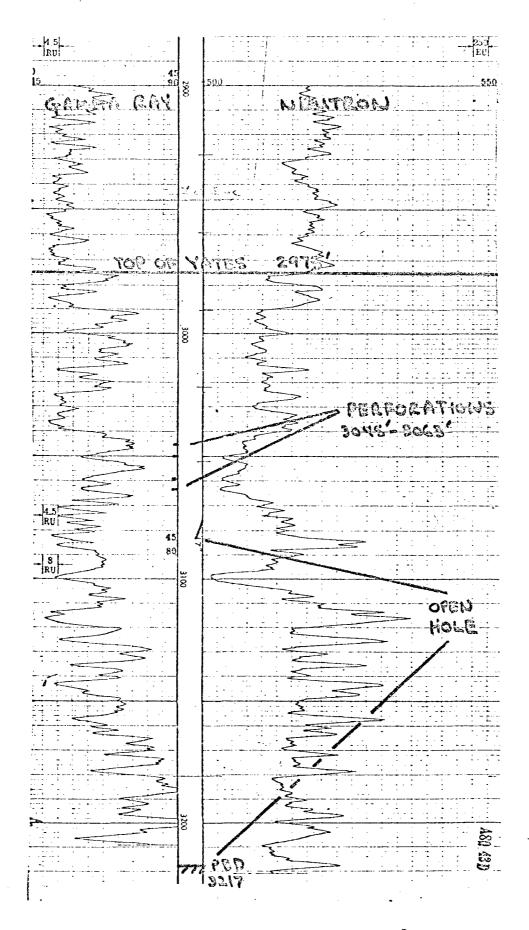
CAlcium Sulfate scaling index negative

330' FNL, 990' FEL Proposed Injection Schematic Sec. 24, T-26S, R-37E El 2936 GL 1451 24716 15 1/2" 70# nt. w/40 sx, TOC 145' (Calc.) 8101 1525' 8 1/4" 32# Cmt. w/100 sx, TOC 810' Calc. 20001 3010' 2 3/8" plastic-lined tubing, 30451 tension packer Perforation (Baker Mod. AD-1 or equiv.) 30631 30761 7" 24# 100 sx, TOC 2000' Calc.

PBD - 3217'

TD - 3236

PB with plastic to 3217'



### NEW MEXICO OIL CONSERVATION COMMISSION

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

Continental	Oil Compos		ADDRESS D (	Pov 160	) Walsh	. Now Morriso	
Continental	P. O. Box 460, Hobbs, New M			COUNTY COUNTY	···		
McCallister A			2 Sc	Scarborough		Lea	
CATION							
UNIT LETTER _	A; w	ELL IS LOCATED	330 FEE	T FROM THE	<u>N</u>	NE AND 990 FEET	FROM THE
T	2.4	WNSHIP 265	RANGE	6 E			
E LINE, SECTION	24		NG AND TUBING				
NAME OF STRING	SIZE	SETTING DEPT			OP OF CEMEN	TOP DETERMINE	DBY
RFACE CASING							
	15 1/2"	247'	4 0		145'	Calc.	
ERMEDIATE	0.3440	1.00.	100		0101		
NG STRING	8 1/4"	1525'	100		810'	Calc.	
	7"	30761	100		2000'	Calc.	
ING	- <del></del>	5070		D DEPTH OF TUBIN		Gare,	
	2 3/8"	3010'	Baker	Tension N	Model Al	0-1 or equivalen	nt 0
ME OF PROPOSED INJECTION FOR	MATION		TOP OF F			AD-1 or equivalent @	
INJECTION THROUGH TUBING, CA	Yates	TERECRAT	IONS OR OPEN HOLE	2975		3276' est	
			•				2171
Tubin	IF ANSWER I	BOT				HAS WELL EVER BEEN PERFORAT ZONE OTHER THAN THE PROPOSE	ZI/
No	P 1	roducing o	oil well			TION ZONE? NO	D INJEC-
T ALL SUCH PERFORATED INTER	VALS AND SACKS OF C	EMENT USED TO SE	AL OFF OR SQUEEZE	EACH	L		
	None						
TH OF BOTTOM OF DEEPEST SH WATER ZONE IN THIS AREA		OIL OR GAS ZONE			OIL OR GAS ZO	OF NEXT LOWER ONE IN THIS AREA	
ICIPATED DAILY MINIMUM	200 I	OPEN OR C	None	IS INJECTION	TO BE BY GRAV	Vone	(251)
ECTION VOLUME	1500	n   '	Closed	PRESSURE?	Gravity	I	
WER YES OF NO WHETHER THE LIZED TO SUCH A DEGREE AS T CK, IRRIGATION, OR OTHER GEN	FOLLOWING WATERS AT	RE MIN- WA	TER TO BE DISPOSED	OF NATURAL WAT	TER IN DISPC-	ARE WATER ANALYSES ATTACHES	D?
			No		No	Yes	
E AND ADDRESS OF SURFACE O			•				
Mr. Frank And Andresses of Al	nthony, Box	( 1012, MO	onahans, I	exas			
El Paso Nati							
EI 1430 Nac	41 (143 0)	ompany, or	ar, now re	XICO			
Pan American	n Petroleur	n Corporat	tion, Box	68. Hobbs	s, New N	lexico	
			•	• • • • • • • • • • • • • • • • • • • •		,	
BUCODE	237		<del></del>				
	EXAMINER						
GIL CONSE	EVATION CO	MAISSION	-				
net .	EXCURIT NO		<u> </u>				
E COPIES OF THIS APPLICATION TO EACH OF THE EDILLOWING	BEEN SURFACE OW	NER.	EACH OP	RATOR WITHIN ONE	-HALF MILE		
THE FOLLOWING TIEMS AFFACE	HED TO PLAT OF ARE	A	ELECTRIC	At 1.06		DIAGRAMMATIC SKETCH OF WELL	
S APPLICATION (SEE RULE 701-	B)		, ELECTRIC	AL 200		DIAGRAMMATIC SKETCH OF WELL	
	1						

(Title)

(Signature)

(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.

R3487 Euros # 10 3208-3255 5R

123487-1 Easts #10
mg into perf \$ 014 3107-34/0

R36E

**R37E** 

T.P.C.	Gulf	Gulf	Gulf Pan Am Texaco	
1		2011	Gulf Pan Am Texaco	
Sincloir 10	Atlantic Gulf	11	12 Cobb 5 \$\psi^5\$	
			"Ramsey" o' 9 Farnsworth" "Moberly"	
Vest et	THE RESERVE THE PARTY OF THE PA	State	State US US	
Gul	f	Gulf	Pan Am El Paso Pan Am Pan Am el el El Paso El Paso Elliott Texaco	
15	5	14	13   18   17	
State	9	State	"Farnsworth" 2 US "Moberly" 6	***
Humb	ole	Gulf ↔	Texaco Continental Texaco et al El Puso El Pus	T
22	U,S.Smelt	23	24	26 S
Cities Serv	U.S.Smelt	State Continental	555	
			Bean Van Hook Continental	
27	Atlantic	26	Continental 16 13 2 7 SWD J. I. O'Neil	
Bechom	State	State	Donahue   U.S. U.S. U.S. U.S. U.S.	*
Atla		Gulf	Gulf Humble   Continental Fields   Cities Serv 2 Shell	
34	4	35	36 Adobe 2 "8-1" 3 Fields 32 "Pubco"	
Sto	nte	State	State "Eaves" 9 US 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

BEFORE EXAMINER NUTTER OIL CONSEGRATION MASSELON applicate EXHIST NO. /

CONTINENTAL OIL COMPANY

PRODUCTION DEPARTMENT - HOBBS DIVISION

SCARBOROUGH POOL LEA COUNTY, NEW MEXICO