NEW MEXICO OIL CONSERVATION COMMISSION

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

GPU -ATOR			ADCRESS	<u></u>		· · · · · · · · · · · · · · · · · · ·		
SCHIO PETROLEUM CON	ν7			.; 167 Mid		-ha 71	ስ ጎ ስ 1	
CUASE NAME	12 1 12 1 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WELL NO.	FIELD	107, MIC	lland, Te	sas /	COUNTY	
Phillips Lea		4 SWD	Vacuun	Graybur	g San And	ires	Lea	
LOCATION								
UNIT LETTER	; wa	ELL IS LOCATED	330 	ROM THE	South	NE AND	330	M THE
West List Section	31	178	3	4E				
WOSE LINE, SECTION	TO.	143816	AND TUBING DA	14 194 F	м.			
NAME OF STRING	SIZE	SETTING DEPTH			TOP OF CEME	NT	TOP DETERMINED B	~
DURFACE CAUING		71111	[<u> </u>
Current	3 5/8	319	132		Circulated	1	-	
INTO HIMEDIATE								
LUNG THANS	None						· · · · · · · · · · · · · · · · · · ·	
Proposed	4 1/2	4920	150 Sks 4%				Calculated -80%	
TUBING	1 1/2	43.20	150 Sks In	COT	3230		of theoretical	
Proposed	2 3/8	4830	Johnston 1					
NAME OF PHOPOSED INJECTION FORMA	TION		TOP OF FOR			воттом (OF FORMATION	
Aquifir of San Andr	res		4679 (Estimate	(b)	Belo	ow T.D.	
12 MA C TON THROUGH TUBING, CASIN	G,OR ANNULIS?		S OH OPEN HOLE? P					
Tubing (PVC lined)	IF ANSWER IS	Open Ho	ole	4920 -	4995 (-8)			
No	ŀ	est drilled			22.)	ZONE OTH	EVER BEEN PERFORATED 1 BER THAN THE PROPOSED IN E?	JE C-
LIST ALL SUCH PENFORATED INTERVAL	B AND SACKS OF CE	MENT USED TO SEAL O	DY NEVILLE	G. Penro	ве-ноте		No	
				(-70	0)			
FRESH WATER ZONE IN THIS AREA		DEPTH OF BOYTOM OF OIL OR SAS ZONE IN	THIS AREA		DEPTH OF TOP	OF NEXT	LOWER	
	300 '	San Andres	Pay Zone 48		None-Qu	ieen te	est was dry	
ANTIGORATED BATEY MINIMUM MINI	1 330	Clos	ED TYPE SYSTEM	PRESSURE?	N TO BE BY GRAT	TTY OR	APPROX. PRESSURE (PSI)	
1	ı			Press		ADE WATE	30 psi	
ANSWER TES OR NO WHETHER THE FOL CRACIZED TO SUCH A DEGREE AS TO BE STOCK, PARIGATION, OR OTHER GENERA	UNFIT FOR DOMEST	nc. San	Andres	. SAL LUNE	ndres	_	Yes	
NAME AND ADDRESS OF SURFACE OWNE	- (OR LESSEE, IF S			.1				
Scarbauer Cattle Co	mpany, Ill	South Lorain	e St., Midl	and, Tex	as 79701	=		
DI OL D. I								
El Chorro Explorati	.on, Inc., C	itizens Nati	onal Bank B	ldg., Ab	ilene, Te	xas .	79603	
Kincaid and Watson,	Box 498. A	rtesia. New	Mexico 882	10				
					· · · · · · · · · · · · · · · · · · ·			
Atlantic Richfield	Company, Bo	x 1710, Hobb	s, New Mexi	co 8824	0			
Phillips Petroleum	Company, Ph	illips Build	ing, 4th &	Washingt	on, Odess	a, Tex	xas 79760	
Cities Service Oil	Company	v 69 Fobbe	Mora Morri do	002//				
Cities Service Oil HAVE COMES OF THIS APPLICATION BE SENT TO EACH OF THE POLLOWING?				88240	E-HALF MILE	THE NEW	MEXICO STATE ENGINEER	
Yes	Yes		OF THIS WEL	Yes	MILE	. II NEW	Yes	
THE POLLOW SITEMS ATTACHED THE APPLICATION OF THE POLLOW OF THE APPLICATION OF THE POLLOW OF THE POL	O PLAT OF AKEA		ELECTRICAL	og		DIAGRAMM	MATIC SKETCH OF WELL	
	Yas			l submit pening)	arter		Yes	
rohn en	raify that the info	ormation above is ;			of my knowle	edge and	belief.	

District Superintendent October 21, 1969
Signature, A. K. Hood (Title) (Date)

NOTE: Should maivers 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.

NEW MEXICO OIL CONSERVATION COMMISSIO.

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

OPERATOR ADDRESS III / S.									
SOHIO PETROLEUM COMPANY Box 3167, Midland, Texas 79701									
Phillips Lea	a		4 SWD	Vac.	uum Gra	yburg San	Andres	Lea	
LOCATION									
UNIT	LETTER	1; we	LL IS LOCATED	330	ET FROM TH	South	LINE AND	330	FEET FROM THE
West Line	, SECTION	31 , , , ,	VNSHIP 17S	RANGE	3 4 E	NMPM.			
			CASING	AND TUBINO	DATA				
NAME OF STR	ING	SIZE	SETTING DEPTH	SACKS	EMENT	TOPOFO	EMENT	TOP DETER	MINED BY
Current		8 5/8	319	132		Circula	ted	_	
INTERMEDIATE		· · · · · · · · · · · · · · · · · · ·							
		None							
LONG STRING		, , , , ,	4000	150 Sks	4% Gel	Incor		Calculate	
Proposed		4 1/2	4920	150 Sks	Incor	F TUBING PACKER	30	of theore	tical
Proposed		2 3/8	4880	Johnsto	n 101 @				
NAME OF PROPOSED INJE	CTION FORMATIC	N		TOP OF	FORMATION		BOTTO	M OF FORMATION	
Aquifir of	San Andres	S R ANNULUS?	PERFORATIONS	467	9 (Esti	mated)		elow T.D.	
Tubing (PVC			Open Ho	le	492	0 - 4995		-888)	
IS THIS A NEW WELL DA	ILLED FOR	IF ANSWER IS	NO, FOR WHAT PURPO	SE WAS WELL	RIGINALLY D	RILLED? Dry	HAS W	ELL EVER BEEN PE OTHER THAN THE PA	RFORATED IN ANY ROPOSED INJEC-
No	**************************************		est drilled			enrose-Ho	Le Tion 2	No No	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH (-700)									
DEPTH OF BOTTOM OF DE FRESH WATER ZONE IN T	HIS AREA	00'	DEPTH OF BOTTOM OF OIL OR GAS ZONE IN San Andres	THIS AREA	4807	None	GAS ZONE IN CAS ZONE IN	THIS AREA THIS AREA TEST WAS d	ry
ANTICIPATED DAILY ME	INIMUM	MAXIMUM		ED TYPE SYSTE	M IS IN	JECTION TO BE B'	Y GRAVITY OR	APPROX. PRES	
(abls.)	90	<u>i</u> 330	Clos			ressure		30 psi	
ANSWER YES OR NO WHE ERALIZED TO SUCH A DE- STOCK, IRRIGATION, OR	GREE AS TO BE L	NEIT FOR DOMES	TIC. I	i to be dispos i Andres	'SAL	an Andres	SPO- ARE W	Yes	TACHED?
NAME AND ADDRESS OF S					id d I and	Torrag 70	201		
Scarbauer C			South Lorain			Texas /:			
			Citizens Nati			, Abilene	, Texas	79603	
Kincaid and Watson, Box 498, Artesia, New Mexico 88210									
Atlantic Richfield Company, Box 1710, Hobbs, New Mexico 88240									
Phillips Petroleum Company, Phillips Building, 4th & Washington, Odessa, Texas 79760									
Cities Service Oil Company, Box 69, Hobbs, New Mexico 88240									
HAVE COPIES OF THIS AS SENT TO EACH OF THE F Yes	PLICATION BEEN OLLOWING?	SURFACE OWN	NER S	EACH C OF THE	PERATOR WITS WELL YES	THIN ONE-HALF M	THE N	EW MEXICO STATE Yes	ENGINEER
ARE THE FOLLOW NG ITE	MS ATTACHED TO	PLAT OF ARE		No (Will su deepeni	bmit afte	T' DIAGR	AMMATIC SKETCH C	F WELL
		fy that the inf	formation above is	true and con		•	nowledge a		
		-			-	•	3.		

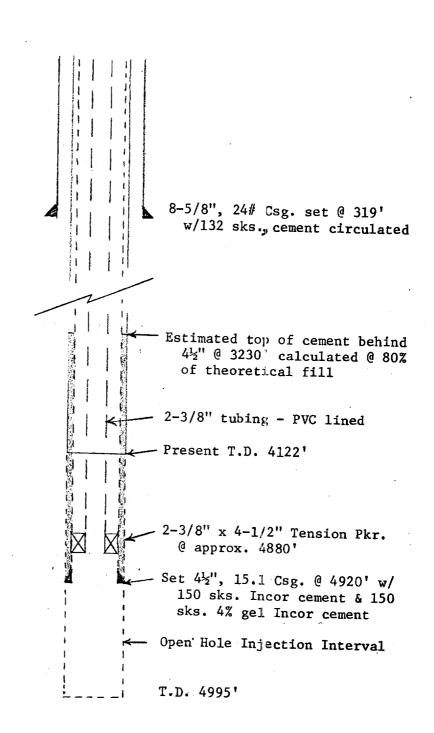
	District Superintendent	October 21, 1969		
 (Signature) A. K. Hood	(Title)	(Date)		

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

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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.

SOHIO PETROLEUM COMPANY Phillips Lea #4 (SWD) Diagrammatic Sketch of Proposed Completion

October 21, 1969



HALLIBURTON DIVISION LABORATORY HALLIBURTON COMPANY MIDLAND DIVISION

A-نخند

Analyst:_cc:

LABORATORY WATER ANALYSIS This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company. _____Date Rec.____9-15-69 Submitted by_____ ____Formation__Sax_Andress Well No. Financina Kes 35 __Depth__ .047 O 76 F. Resistivity — Specific Gravity 6.6 – 1 2,500 Calcium (Ca) Magnesium (Mg) – 1000,000 Chlorides (Cl) -3,000 Sulfates (SO₂) -925 Bicarbonates (HCO₃) -Soluble Iron (Fe) *Milligrams per liter Respectfully submitted, HALLIBURTON COMPANY

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or omission, resulting from such report or its use.

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To Schio Petroleum Company	ever, be used in the court, of regular business of receiving
Mr. C. E. Carter	by any person or concern that Company. such report from Halliburton Company. 5-21-66 Date Received
Zox_3167_Midland,_Taxas	Continuel " Salandara
Well & Lease Phillips State #1	W2/2-
Teaction	Field Source
Dogation	
Specific gravity 76.F	1.175
Color, filtrate Clear	•
7.2	
0.060 4	
Resistivity 76 of ppm (mpl)	120 900
134,400	135,900
Chlorides, C1 250	
Sulfates, 504	
Alkalinity, HCO3 885	
Calcium, Ca	
680	
Magnesium, Mg	
Iron, Fe Nil	
ND	~1/47
Sodium, Na"	
Sulfides, H2S Trace	
Remarks	
ppm equals Parts per million uncorrected or	milligrams per liter
4 Molides Lotaniania de	Respectfully submitted
Laboratory Analyst	WALLEDURTON COMPANY
Whitfield	By And Martin
cc: Mr. L. G. Moffatt	F. D. Whitfield
mais report is limited to the d	
NOTICE be liable for any loss or damage	lescribed sample tested. Any user of this report agrees due to report or its use.
	Du Jan & 11th Hill
	By DIVISION CHEMIST

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-	LEA ~	FIFL D	Vacuum	STA	TE NM 14N 02	156		
<u> </u>	SOHIO PET.			MAP				
OPR	WD-4 Phill							
	Sec 31, T-		34-E	CO-ORD				
	330' FSL, 3	330' FWL	of Sec.					
	Re-Spd 1-3-			CLASS	CLASS E			
	Re-Cmp 1-28		FORMATION	DATUM	FORMATION	DATUM		
8 5/8" 4 1/2"	at 319 w/2 at 4920 w	/200 sx.						
			TD 4995'					

QQWO

(San Andres) OH 4920-95' WATER DISPOSAL WELL.

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CONT.	PROP DEPTH		TYPE	RT			

F.R. 10-28-69; WATER DISPOSAL WELL PD 4995' RT (San Andres) (Orig. Neville C. Penrose, P&A 10-16-61, OTD 4122') 1-7-70 Dr1g. 4380' TD 4995'; WOC 1-14-70 Deepened from 4122' to 4995' Ran 4 1/2" Casing TD 4995'; Complete 1-21-70 Acid (4920~95') 2000 gals TD 4995'; COMPLETE 2-2-70 COMPLETION REPORTED - 2-5-70

