Shell Oil Company



P.O Box 991 Houston, Texas 77001

August 10, 1981

New Mexico Energy and Minerals Department Oil Conservation Division ATTN Mr. Joe D. Ramey, Director P. O. Box 2088 Santa Fe, NM 87501

Gentlemen:

APPLICATION FOR AUTHORITY TO INJECT WATER, NORTH HOBBS (G-SA) UNIT, PRESSURE MAINTENANCE PROJECT, HOBBS (G-SA) FIELD, LEA COUNTY, NEW MEXICO

We have attached Forms C-108 for twenty (20) wells drilled as injectors per administrative Order NSL-1194 dated May 12, 1980. The attached list shows the exact location of the wells as drilled. One well, No. 32-222, was formerly No. 32-212. The well number changed when the location was changed to accomodate the surface owner.

We are requesting administrative approval for authority to inject water into these twenty (20) wells as per Order No. R-6199 dated November 30, 1979.

Supervisor Regulatory and Permitting

Mid-Continent Division

RWP:BC

Attachments

cc: Jerry Sexton

Supervisor, District I

Hobbs, NM

in Cose File for Completions



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

August 13, 1981

Shell Oil Company P. O. Box 991 Houston, Texas 77001

Gentlemen:

Enclosed herewith please find Administrative Order PMX-109.

Very truly yours

JOE D. RAMEY Division Director

JDR/og

cc: Oil Conservation Division
Box 1980

Hobbs, New Mexico

SHELL ET AL NORTH HOBBS (G-SA) UNIT NEWLY DRILLED INJECTORS LEA COUNTY, NEW MEXICO

TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM

Sec.	Unit Well No.	<u>Unit Letter</u>	Location
24	242	N	1300' FSL and 2600' FWL
25	422	H	1550' FNL and 1300' FEL

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM

<u>Sec.</u>	Unit Well No.	Unit Letter	Location
18	242	N	1200' FSL and 2600' FWL
19	142	М	1200' FSL and 1300' FWL
20	233	K	1610' FSL and 1850' FWL
⁻ 28	422	Н	2199' FNL and 772' FEL
29	222	F	1370' FNL and 1850' FWL
29	132	L	1623' FSL and 1218' FWL
30	222	F	1470' FNL and 1395' FWL
30	232	K	1400' FSL and 1370' FWL
30	422	Н	1520' FNL and 1300' FEL
30	442	Р	1300' FSL and 1050' FEL
31	312	В	1262' FNL and 1520' FEL
32	132	L	1400' FSL and 1300' FWL
32	222	F	1720' FNL and 1370' FWL
32	323	G	1370' FNL and 1400' FEL
32	432	I	1400' FSL and 1300' FEL
33	222	F	1520' FNL and 1470' FWL
33	232	K	1595' FSL and 1370' FWL
33	322	G	1385' FNL and 1820' FEL

NORTH HOBBS (G/SA) UNIT SURFACE OWNERS OF WELL SITE(S)

24-242 25-422 30-232	State Land - Leased to Alice H. Cushing c/o Charlie Seed 424 W. Broadway Hobbs, NM 88240
18-242	Leon Hay1 1008 E. Clinton Hobbs, NM 88240
19-142	Thomason Construction, Co. 1201 W. Bender Blvd. Hobbs, NM 88240
20-233	O. L. Harris West County Road Hobbs, NM 88240
28-422	K&S Electric 1901 N. Grimes Hobbs, NM 88240
29-132 29-222 30-442 32-132 32-222 32-323 32-432	W. C. Grimes Estate First Interstate Bank Trust Dept. 220 W. Broadway Hobbs, NM 88240 ATTN: Jim Hill
30-222	Verna B. Matthew West Bender Blvd. Hobbs, NM 88240
30-422	Cecil J. Taylor Goins Addition Hobbs, NM 88240
31-312	Clara Fowler c/o Vernon R. Jones West Sanger Hobbs, NM 88240
33–222 33–232	State Land - Not leased
33-322	Hobbs Public Schools 1515 E. Sanger Hobbs, NM 88240 ATTN: Dr. Bill Lee

P. O. 110 X 2088

Form C-108 Revised 10-1-75

SANTA FE, NEW MEXICO 87501

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

	1011 10 0131	USE UP SALI W					
GVENT OF GOVERNMENT			ADDRESS	DOM: 001	HOHOMON.		77001
SHELL OIL COMPANY		WELL NO.	P. U.	BOX 991,	, HOUSTON	, TX	//OUL
SECTION 19		142	HOBBS	(G/SA)			LEA
LOCATION			•				
UNIT LETTER	M: 	ELL 18 LOCATED _ 12	00	OM THE SO	OUTH	NE AHO	PEET FROM THE
WEST LINE, SECTION	19 •	waship 18-S	#ANGE 38-1	E	4.		· · · · · · · · · · · · · · · · · · ·
		·	AND TUBING DAT				
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMEN	T T	OP OF CEME	NT	TOP DETERMINED BY
	- 411				OMBH AH		
(COND.)	16"	40'	`		SURFACE		CIRC.
(24#)	8 5/8"	1600'	875_sx		SURFACE		CIRC
LONG STRING		1					
(14#)	5 1/2"	4510'	900 sx		SURFACE		CIRC.
TUBING			HAME, MODEL AND DE	PTH OF TUBIN	G PACREM		
	2 7/8"	4021'	GUIBERSON U		ER VI @40		
NAME OF PROPOSED INJECTION FORMAT	10H		TOP OF FORM				OF FORMATION
SAN ANDRES	OR AMBULUS?	PERFORATION	4018		VALUE OF INJE	1 .	510'
	3 00 4, 10 203,	, PERFORM	S ON OPEN HOLE,			CITOR	
TIBING	IF ANSWER IS	PERFORA'		4110' -		HAS WEL	L EVER SECH PERFORATED IN ANY
DISFOSAL!						ZCNE OTH	
YES LIST ALL SUCH PERFCRATED INTERVAL	S AND SACKS OF C	EMENT USED TO SEAL C	OFF OR SQUEEZE EACH	- -		L	NO
DEPTH OF BOTTOM OF CEPEST PRESH WATER ZONE IN THIS AREA		DEPTH OF BOTTOM OF			DEPTH OF TOP		
205'			3421'			5440 '	·
ANTICIPATED DAILY MINIMUM INJECTION VOLUME 18845-)	I MAXIMUM	OPEN OR CLOS	ED TYPE SYSTEM	IS INJECTION PRESSURE?	TO BE BY GRAY	TITY OR	APPROX. PRESSURE (PSI)
200	5000		OSED		PRESSSUR		MEMO 3-77
ANSWER YES OR NO WHETHER THE FOLL EMALIZED TO SUCH A DESMIE AS TO BE STOCK, IRRIGATION, OR OTHER GENERAL	UNFIT FOR DOMES	E MIN- WATER		DISPOSED OF 'NATURAL WATER IN DISPO-		ARE WATER ANALYSES ATTACHED?	
NAME AND ADDRESS OF SURFACE OWNER		STATE OR FEDERAL LAN	YES	<u> </u>	ZES		NO
	. ,	The state of the s	,				
LIST WAMES AND ADDRESSES OF ALL OF	PERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION WELL				······································
							
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	- 14						
MAVE COPITS OF THIS APPLICATION BEE SENT TO EACH OF THE FOLLOWING?	.W TOUMFACE OWN	LA	LEACH OPERATO LOF THIS WELL	A WITHIN ONE	HALF MILE		
ARE THE FOLLOWING ITEMS ATTACHED	TO PLAT OF AREA		ELECTRICAL L	06		DIAGRAMA	MATIC SECTOR OF WELL
THE APPLICATION (SCE BULE 701-B)	•		1		1		
			<u>L </u>		i		

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

A. J. FORE SUPERVISOR REGULATORY & PERMITTING AUGUST 11, 1981
(Suggestion) (Date)

NOIL: Should nativery 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. Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa Ee office. If ut the end of the 15-day waiting period no protest has been received by the Santa Ee office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests, 200 to 200.

Revised 10-1-75

P. O. HOX 2088 SANTA FE, NEW MEXICO 87501

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

APCA AT UN				ADDACAB				
SHELL OIL C	OMPANY			P. O.	BOX 991, HOU	STON. TX	77001	
SECTION 20	<u> </u>		233	71660	(G/SA)	223.1	LEA	
FOCULOR TO					(0/5/)		LEA	
UNI	r LETTER	К	ELL IS LOCATED	610	SOUTH SOUTH	LINC AND	1850	IT FROM THE
WEST CIR	C, SECTION	20 **	WHEHIP 18-S	#ANGE 38-	Е чыра.			
				AND TUBING DAT			r-·	
NAME OF STE		SIZE	SETTING DEPTH	SACKS CEME	NT TOPOF	EMENT	TOP DETERMIN	ED BY
INTERMEDIATE	(COND.)	16"	40 '	-	SURF	ACE	CIRC.	
	(24#)	8 5/8"	1500'	850 sx	SURF	ACE	CIRC.	·
LONG STRING	(14#)	·5 1/2"	4510'	1050 sx	SURF		CIRC.	
TUBING		2 7/8"	4168'	GUIBERSON	UNI-PACKER VI	@4168'		·
SAN ANDRES			·	4170)†	4	510 '	·
TURING	LEING, CASIN	G OR ANNULUS?	PERFORATIONS		4258 - 4292 *	/ INJECTION		•
YES			ENO, FOR WHAT PURPOS	E WAS WELL DRIGIN	ALLY DRILLED?	HAS WI ZONE O TION Z	CLL EVER SEEN PERFOR STHER THAN THE PROPO ONE? NO	ATEO IN AMY
LIST ALL SUCH PERFORM	JAVRSTMI CST.	.S AND SACKS OF CI	EMENT USED TO SEAL O	FF OR SQUEEZE EACH	•			
DEPTH OF BOTTOM OF SIPESH WATER LONE IN T	MIS AREA	•	OLL OR GAS ZONE IN T		F TOP OF NEX GAS ZONE IN T 550	THIS AREA		
MATICIPATED DAILY IN THE STATE OF THE STATE	200	5000		SED	PRESSURE?	SURE	MEMO 3-77	_
ANSWER YES OR NO WHE ERALIZED TO SUCH A DE STOCK, INRIGATION, CR	THER THE FOL	LOWING WATERS ARE UNFIT FOR DOMES	E MIN- WATER		NATURAL WATER IN OI	SPO- ARE WA	NO	103
TAME AND ADDRESS OF	SURFACE OWNE	R (OR LESSEE, IF S	STATE OR FEDERAL LAND		1 100			
LIST HAMES AND ADDRES	SES OF ALL O	PERATORS WITHIN	OHE-HALF () MILE OF	THIS INJECTION WEL	L			
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<u> </u>		-						
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· · · · · · · · · · · · · · · · · · ·	· 					- 4 - 2		
NAVE COPIES OF THIS AR	PLICATION &C	EN SURFACE OWN	CA	TEACH OPERAT	OR WITHIN ONE-HALF ME			
ME THE FOLLOWING ITE		TO PLAT OF AREA		ELECTRICAL I	.06	DIAGRA	MMATIC SECTOR OF WE	LL

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

A. J. FORE

SUPERVISOR REGULATORY & PERMITTING

AUGUST 11, 1981

(Title)

(Date)

MIE: Should nativery from the surface inner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico that Conservation Division will hold the application for a period of 15 days from the date of receipt by the Division'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, ser now = 101.

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

(JPC A 1 UA				ADDRESS				
SHELL OI	L COMPANY			1	BOX 991, HOUS	STON, TX	77001	
SECTION	18		242	новвѕ	(G/SA)		LEA	
LOCATION	UNIT LETTER	N	ELL 18 LUCATED	200	SOUTH	LINE AND _	2600	FOM THE
WEST	LINE, SECTION	18. **	WHEN 18-S	AND TUBING DAT				
NAME OF	FSTRING	SIZC	SETTING DEPTH	SACKS CEME		EMENT	TOP DETERMINED	. BY
SURFACE CASING								
` .	(COND.)	16"	40'		SURFA	CE	CIRC.	
INTERMEDIATE	(24#)	8 5/8"	1600'	875 sx	SURF,	ACE	CIRC .	
LONG STRING	(14#)	· 5 1/2"	4510	900 sx	120	,	CBL	
TUBING		2_7/8"	4069'	GUIBERSON 1	UNI-PACKER VI	@4069 '		·
SAN ANDR	ES UGH TLAING, CASIN			40681		45	10 1	
TURING			PERFORA'	TIONS	4150 - 4326 t			•
YES			HÖ, FOR WHAT PURPO			ZONE OT	L EVER SEEN PERFORATE HER THAN THE PROPOSED HE? NO	INTEC-
EIST ALL SUCH PLF	IFGRATED INTERVAL	S AND SACKS OF C	LMENT USED TO SEAL O	OFF OR SQUEEZE EACH	•			
DEPTH OF BOTTOM FRESH WATER ZONE 205 1			DEPTH OF BOTTOM OF OIL OR GAS ZONE IN			T TOP OF NEXT		
ANTICIPATED DAILT INJECTION YOLUME IBBLS.J	200	5000	CLOS	ED TYPE SYSTEM	IS INJECTION TO BE BE PRESSURE?		APPROX. PRESSURE IP	_
ERALIZED TO SUCH	WHETHER THE FOL BOT CA STORE CROTHER GENERA	LOWING WATERS AR	E MIN- WATER	TO BE DISPOSED OF			L MEMO 3-77 ER AHALYSES ATTACHED	
CAME AND ADDRESS	OF SURFACE OWNE	R (OR LESSEE, IF S	TATE OR FEDERAL LAN		I IES		NO	
LIST HAMES AND N	DORESSES OF ALL O	PERATCRS WITHIN	ONE-HALF () MILE OF	THIS INJECTION WELL				
								
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			<u></u>					
								
MAYE COPIES OF THE	15 APPLICATION BE	EN SUNTACE OWN	CA	EACH OPERATO	IM STRN-3HO HINTIM RO	L£		
ARE THE FOLLOWING	G ITEMS ATTACHED ISCE BULE 701-8)	TO PLAT OF AREA		ELECTRICAL L	06	DIAGRAM	MATIC SECTOR OF WELL	
	a Mharuby cu	tify that the info	ormution whose is t	tue and complete	to the best of my ki		Ibaliaf	

SUPERVISOR REGULATORY & PERMITTING

AUGUST 11,

(Title)

MOTE: Should waiters from the surface incuer and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico the Conversation Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa be 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 now 4 701.

STATE OF NÉW MEXICO ENEAGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P. O. 110 X 2088 SANTA FE, NEW MEXICO 87501

Form C-108 Revised 10-1-72

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

,										
UPERATUR				ADDA						
SHELL OII	COMPANY			P	. O. Bo	OX 991, H	OUSTON	, TX 7		
			WELL NO.			4.			COUNTY	
	24		242	<u> </u>	OBBS (C	G/SA)			LEA	
LOCATION				•						
	UNIT LETTER	<u>N</u> . •	ELL IS LOCATED 1	300	EET FROM	THE SOUT	<u>H</u>	4E AHD	2600	80M THE
WEST	LINE, SECTION	24		PANCE	37 - E	чмры,				
			CASING	AND TUBIN	GDATA					
NAME OF	STRING	312C	SETTING DEPTH	SACKS	CEMENT	TOP	OF CEME	NT	TOP DETERMINED	8.4
SURFACE CASING								1		
- •	(COND.)	16"	401			SUI	RFACE		CIRC.	
ISTERMEDIATE										
	(24#)	8 5/8"	1600'	785	sx	SU	RFACE		CIRC.	
LONG STRING	-	,								
	(14#)	5 1/2"	4443'	1250		Ĺ	RFACE		CIRC.	
TUBING				· ·		H OF TUBING PA				
		2_7/8"	4120'	1		NI-PACKER	VI @4:	120'		
MAME OF PROPOSED	INJECTION FORMA	TION		TOPO	FORMATI	ON		BOTTOM	F FORMATION	
SAN ANDRI			·		+090 ' _		4443'			
IS INJECTION THROU	IGH TLBING, CASING	OR ANNULUS?	PERFORATIONS	OR OPEN HOL	ET PROPO	SED INTERVALE	S) OF INJEC	TION		
TIBING			PERFORA	TIONS		4209 ' -	4280'			
S THIS A NEW WEL DISPOSAL?	L DRILLED FOR	IF ANSWER IS	NO, FOR WHAT PURPO	SE WAS WELL	ORIGINALL	Y DRILLED?	_	ZONE OTH	EVER SEEN PERFORATE	INJEC-
YES							·	TION ZON	NO	
LIST ALL SUCH PLA	FGRATED INTERVAL	S AND SACES OF CE	MENT USED TO SEAL O	FF OR SQUEE	EEACH					
GEPTH OF BOTTOM !			DEPTH OF BOTTOM OF OIL OR GAS ZONE IN			DEP	TH OF TOP	OF NEXT	LOWER S AREA	
205'			3489'				55	18'		
ANTICIPATED DAILY	I MINIMUM	I MAXIMUM	OPEN DA CLOS	ED TYPE SYST	EM IS PR	INJECTION TO E	L BT GRAV	ITY OR	APPROX. PRESSURE (P.	11)
·ests.}	200	5000		SED			SSURE		MEMO 3-77	
CRALIZED TO SUCH	A DESPIE AS TO BE	LOWING WATERS AR . UNFIT FOR DOMES		TO BE 015PO	1 54	LTURAL WATER I LL ZONE	* DISPO-	ARE WATE	R ANALYSES ATTACHED?	
STOCK, IRRICATION,				YES		YE	s		NO	
EEBROOM CHA BMAS	OF SURFACE OWNE	M (OM LESSEE, IF S	TATE OR FEDERAL LAN	0)						
					···					
LIST HAMES AND 40	SHESSES OF ALL O	PERATORS WITHIN	DHE-HALF () MILE OF	THIS INJECTI	N WELL					
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	/ Chereby cer	tify that the infe	ormation above is t	rue and con	plete to	the best of m	y knowle	dge and	belief.	

NOTE: Should waivers from the surface mover and all operators within uneshalf mile of the proposed injection well not accompany this application, the New Mexico Old Conservation Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa Fe affice, If

P. O. HOX 2088

AUGUST 11,

SANTA FE, NEW MEXICO 87501

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

(UFLA ATUA				ADDRESS					
1									
SHELL OI	L COMPANY		WELL NO.	P. 0	BOX 991,	HOUSTON	, TX 770	001 Teaunty	
SECTION	25		422	HORRS	G (G/SA)			LEA	
LOCATION				ПОВЫ	(G/DA)			LEA	
	UNIT LETTER	Н	ELL 18 LOCATED	, 550	N	ORTH	13	00	
			CLL IS LOCATED	750	ROM THE	<u> </u>	NE ANO	FEET FROM THE	
EAST	LINE, SECTION	25 **	****** 18-S	MANGE 37-	Е ныры	ι,			
			CASING	AND TUBING DA	TA				
MANE O	FSTRING	SIZE	SETTING DEPTH	SACKS CEMI	NT T	OP OF CEME	NT 1	TOP DETERMINED BY	
SULVACE CASING									
INTERMEDIATE	(COND.)	16''	40'	•		SURFACE		CIRC.	
	(9/4)	8 5/8"	1600'	850 sx		SURFACE		OTDO	
LONG STRING	(24#)	0 3/0	1000	000 SA		SURFACE		CIRC.	
	(1/4)	- 5 1/2"	4510'	1000 sx		SURFACE		CIRC.	
TUBING	(14#)		4310	HAME, MODEL AND	DEPTH OF TUBIN				
		2 7/8"	3970'	GHTBERSO	N UNI-PACE	CER VI GR	970'		
NAME OF PROPOSE	O INJECTION FORMAT	TION		TOP OF FOR	MATION	<u> </u>	BOTTOM OF	FORMATION	
SAN ANDR				4034			4510	·	
IS INJECTION THRO	DUGH TLBING, CASING	LOR ANNULUS?	PERFORATIONS	S OR OPEN HOLE! P			TION		
TUBING	A Devise For	The answer is	PERFORAT		4170' - 4			,	
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YES	RECRATED INTERVAL	S AND SACES OF CE	EMENT USED TO SEAL O	OFF OR SQUEEZE EAC	H			NO	
DEPTH OF BOTTOM			DEPTH OF BOTTOM OF	NEXT HIGHER		DEPTH OF TOP			
PRESH WATER ZON	2051		DIL OR GAS ZONE IN	3462			54811	REA	
ANTICIPATED DAIL	TININIMOM	MAXIMUM		OPEN OR CLOSED TIPE SYSTEM		15 INJECTION TO BE BY GRA		PPROX. PRESSURE (PSI)	
(88(5.)	200	5000	CL	OSED		PRESSSUR	E	MEMO 3-77	
ERALIZES TO SUCH	WHETHER THE FOLI	. UNFIT FOR DOMES	E MIN- WATER	TO BE DISPOSED OF	HATURAL WAT	ER IN DISPO-	APE WATER A	E WATER ANALYSES ATTACHED?	
	CP OTHER GENERA			YES	YES	S		NO	
STREET END SMAN	S OF SURFACE OWNE	M (OR LESSEE, IF S	STATE OR FEDERAL LAN	.D.)					
LIST TAMES AND A	DORESSES OF ALL Q	PERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION WE					
									
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TAVE CORIES OF THE	HIS APPLICATION BE	rm I quadars our	ur n	FACH ODER	ON WITHIN ONE				
SENT TO EACH OF	THE FOLLOWING?	1		OF THIS WEL		MILL			
	G ITEMS ATTACHED	TO PLAT OF AREA	· · · · · · · · · · · · · · · · · · ·	ELECTAICAL	LOG		DIAGRAMMAT	IC SECTOR OF WELL	
THIS APPLICATION		:		1		, 1			
	/ () have her a	este character in	ormution ubove is t	mu and an- al.	to the book	<u>-</u>		ti-f	
/ / / /	Y , , C.	and either one and		and complete		or my anowie	ARC HUR DE		

ISOR REGULATORY & PERMITTING

NOTE: Should waivers from the surface indiaer and all operators within one-half mile of the proposed injection well not a company this application, the New Mexico the Conversation Division will hold the application for a period of 15 days from the date of receipt by the Confision's Santa be 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 epplication will be set for hearing, if the upplicant surrequests, see Rin & 701.

Form C-108 Revised 10-1-75

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

[dringron				Y						
	O. (2)			1	ADDRESS					
SHELL OIL C	OMPANY		WELL HO.	P. (BOX	991, HOUSTON	, TX 7700)]		
SECTION 28			422	HORE	HOBBS (G/SA)			LEA		
LOCATION 20			422	1 11051	(0) 0					
	T LETTER		ELL 18 LOCATED	99	FROM THE	NORTH	NE AND	72 FEET FROM THE		
EAST CI	t, section	28 10	WH3HIP 18-S		38-E	ныры,				
NAME OF ST	RING	SIZC	SETTING DEPTH	AND TUBING D	———	TOP OF CEME	NT TO	OP DETERMINED BY		
SURFACE CASING										
INTERMEDIATE	(COND.)	16"	40'			SURFACE		CIRC.		
LONG STRING	(24#)	8 5/8"	1600'	850 sx		SURFACE		CIRC.		
TUBING	(14#)	5 1/2"	4503'	1050 sx	DEPTH OF	SURFACE		CIRC.		
NAME OF PROPOSEO IN.	ECTION FORMAT	2 7/8"	4132'	GUIBERSO		ACKER VI @41	32 t	MMATION		
SAN ANDRES				4	150'		4503	•		
IS INJECTION (HROUGH	FLEING, CASING	OR ANNULUS?	PERFORATIONS			INTERVAL(S) OF INJEC				
TUBING IS THIS A NEW WELL DR	ELLED FOR	IF ANSWER 15	PERFORAT			- 4271 [†]	MAS WELL EVE ZONE OTHER T TION ZONE?	R SEEN PERFORATED IN AMY HAN THE PROPOSED INJEC.		
YES	TED INTERVAL	S AND SACKS OF CI	EMENT USED TO SEAL O	FF OR SQUEEZE E	ACH		1104 2542	NO		
DEPTH OF BOTTOM OF S PRESH WATER ZONE IN T	CHIS AREA		DEPTH OF BOTTOM OF OIL OR GAS ZONE IN T			DEPTH OF TOP	OF NEXT LOWE ONE IN THIS ARE	A A		
ANTICIPATED DAILY INTENTED TO THE PROPERTY OF		I MAXIMUM	OPEN OF CLOS	ED TYPE SYSTEM	IS INJE	CTION TO BE BY GRAV	ITY OR AP	PHOL. PRESSURE (PSI)		
ANSWER VES OR NO WHE	200	5000	CLOSE			PRESSU		EMO 3-77		
STOCK, INFIGATION, OR	STIE AS TO BE	UNFIT FOR DOMES	TIC. 1.	'ER TO BE DISPOSED OF " NATUR SAL Ze I		HE .		*		
TAME AND ADDRESS OF	SURFACE OWNE	R IOR LESSEE, IF S	STATE OF FEDERAL LAN	YES		YES	N	0		
LIST NAMES AND ADDRES	SSES OF ALL O	PERATORS WITHIN	OHE-HALF () MILE OF	THIS INJECTION W	ELL					
			·····	·						
-	•									
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			······································			··-··	· · · · · · · · · · · · · · · · · · ·			
	· .					····				
								Ì		
MAYE COPIES OF THIS AS	PPLICATION SEE	SURFACE OWN	CA	EACH OPER	ATOR WITH	N ONE-HALF MILE				
ARE THE FOLLOWING STE THES APPLICATION (SEE	NIS ATTACHED	TO PLAT OF AREA		ELECTRICA	L L06		DIAGRAMMATIC	SKETCH OF WELL		
E. CICETON INC.	///			•						
X 10	I hereby cer	tify the inf	ormution above is t	rue and comple	te to the l	best of my knowle	dge and beli	eſ.		

SUPERVISOR REGULATORY & PERMITTING AUGUST 11,

NOTE: Should nativers from the surface monet and all openious within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation. Division will hold the application for a period of 15 days from the date of receipt by the Division'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 application is of countries from the application will be set for hearing, if the application is of countries from the application of the application will be set for hearing.

STATE OF NÉW MEXICO ENE/GY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P. O. HOX 2088

SANTA FE, NEW MEXICO 87501

Form C-108 Revised 10-1-75

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

UFERATUR	AFFEICA			TADDRESS				
SHELL OIL	COMPANY			P. (D. BOX	991, HOUSTON	I, TX 7	
SECTION 29)		132	HOB	3S (G/S	A)		LEA
LQCATION		т	ELL IS LOCATED1	622		COLUMI		1010
	UNIT LETTER					SOUTH .	INC AND	1210 PEET FROM TO
WEST	INE, SECTION	29 **	CASING	HANCE 3	B-E PATA	ныры,		
NAME OF	TRING	SIZE	SETTING DEPTH	SACKS CE	MENT	TOP OF CEME	NT	TOP DETERMINED BY
URFACE CASING	(COND.)	16"	40'			SURFACE		CIRC.
*TERMEDIATE	(24#)	8 5/8"	1600'	785 s	ς .	SURFACE		CIRC.
ONG STRING	(14#)	5 1/2"	4510'	900 s		100'		CBL
INNE OF PROPOSED		2 7/8"	4000'	GUIBERS	ON UNI-	PACKER VI @4		
SAN ANDRES	S			397	4510 1			
TURTNG S THIS A NEW WELL DISPOSAL?			PERFORA	PERFORATIONS 4071			HAS WELL	EVER SEEN PERFORATED IN A ER THAN THE PROPOSED INJEC-
YES	CRATED INTERVAL:	S AND SACKS OF C	EMENT USED TO SEAL (OFF OR SQUEEZE E	ACH			NO
EPTH OF BOTTOM CORESH WATER TONE	F DEEPEST IN THIS AREA		DEPTH OF BOTTOM OF OIL OR GAS ZONE IN	THIS AREA		DEPTH OF TOP	ONE IN THE	
NTICIPATIO DAILY WIECTION VOLUME	! 200	5000	OPEN OF CLOS	SED	IS INJE	PRESSURE	53671 VITY OR	MEMO 3-77
NSWER YES OR NO A RALIZED TO SUCH A TOCK, IMPLGATION,	DESPTE AS TO BE	ONING WATERS AR	E MIN- WATER		OF NATURA	L WATER IN DISPO-	ARE WATE	NO
AME AND ADDRESS O	OF SURFACE OWNER	OR LESSEE, IF :	STATE OR FEDERAL LAN	(0)			•	
IST NAMES AND ADD	RESSES OF ALL O	PERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION Y	FELL			
								
		•						
		· · · · · · · · · · · · · · · · · · ·					_ -	
		 						
AVE COPIES OF THIS		SUMPACE OWN	(EA	EACH OPER		N ONE-HALF MILE		
NE THE FOLLOWING		TO PLAT OF ARE	<u> </u>	ELECTRICA	L LOG		DIAGRAMM	ATIC SECTEN OF WELL
.0	hereby cer	tile that the inf	ormation above is	true and comple	te to the	best of my knowle	edge and	belief.

(E.: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompans this application, the New Mexico Oil Conservation Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa Ee office, If

SUPERVISOR REGULATORY & PERMITTING
(Title)

STATE OF NÉW MEXICO ENERGY AND MINISPALS DEPARTMENT

OIL CONSERVATION DIVISION POLIOX 2088 SANTA FE, NEW MEXICO 87501

Form C-108 Revised 10-1-75

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

JPIRATUR	AFFLICA			JADDAGAS					
	L COMPANY). BOX 991	- HOUSTON	1. TX 7	77001	
CASE STOR	<u> Com mai</u>		WELL HO.	FIELD	20:1 221	, noodice	·, ···· /	COUNTY	
SECTION	29		222	новн	BS (G/SA)			LEA	
LOCATION		T	10	,					
		: w	ELL IS LOCATED 13	/ <u>/</u>	FROM THE N	ORTH	NE AHD	1850	M THE
WES'T	LINE, SECTION	29 😱	waship 18-S	PANGE 3	8-E	М.			
			CASING	AND TUBING D	ATA			_ 	
	STRING	SIZE	SETTING DEPTH	SACKS CE	MENT	TOP OF CEME	NT	TOP DETERMINED B	¥
SURFACE CASING	(COND.)	16"	40'			SURFACE		CIRC.	
STEPMEDIATE	(24#)	8 5/8"	1605'	850 s	x	SURFACE		CIRC.	
LONG STRING			4510'	1425 s		SURFACE		CIRC.	
FUSING	(14#)	5 1/2"	1320	HAME, MODEL AND				OIRO,	
MAME OF PROPOSE	O In ECTION FORMAN	2 7/8"	4095'	GUIBERSON	UNI-PACK	ER VI @409			
SAN ANDRES				4095	, •	!	451	4510	
IS INJECTION THRO	UGH TLBING, CASING	GOR ANHULUS?	PERFORATIONS	OR OPEN HOLE?			CTION		
TUBING			PERFORA		4174' -			·	
YES	LL DRILLED FOR		HD, FOR WHAT PURPO:	SE WAS WELL ORIG	SINALLY DRILLEC	·	ZONE OTH	. EVER SEEN PERFORATED 1 ER THAN THE PROPOSED IN E? YES	JEC+
LIST ALL SUCH PER	(4 JSPF),		EMENT USED TO SEAL O	OFF OR SQUEEZE E.	ACH				
EPTH OF BOTTOM	OF SEEPEST	44J 5X	DEPTH OF BOTTOM OF	NETT HIGHER	,	DEPTH OF YOR			
210	E IN THIS AREA		342			OIL OR GAS Z	5412'	S ARLA	
MITICIPATED DAIL	F FEIFINGM	MAZIMUM	OPEN OR CLOS	ED TYPE SYSTEM	IS INJECTIO	N TO BE BY GRAY	VITY OR	APPROX. PRESSURE (PSI)	
	200	5000		SED		PRESSURE		MEMO 3-77	-
HALIZED TO SUCH	WHETHER THE FOLL BE OT EAS TO BE ARBKED REHTO RO ,	. UNFIT FOR DOMES	E MIN- WATER	YES	SAL ZONE	YES	ARE WATE	ARE WATER ANALYSES ATTACHED?	
AME AND ADDRESS	OF SURFACE OWNE	N (OR LESSEE, IF S	STATE OF FEDERAL LAN	0)					
- <u></u>								·	
A DAK ESMAN TEL	DURESSES OF ALL O	PENATURS WITHIN	ONE-HALF () MILE OF	THIS INJECTION W	ELL				
									
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•							•	-	ļ
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AVE COPIES OF THE	IS APPLICATION BEG	EN SUPPACE OWN	EA	EACH OPER	ATOR WITHIN ON	E-HALF MILE			
	G ITLNS ATTACHED	1 					B14.65		
	ISCE BULE 701-B)	TO PLAT OF AREA	·	1 BLECTRICA 1 1			DIAGRAMA	MAYIC SACTEM OF WELL	
α	I hereby cer	tify that the inf	ormution ubove is t	rue and comple	te to the best	of my knowle	dge and	belief.	

MOTE: Should waiters from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Dil Convertation Division will hold the application for a period of 15 days from the date of receipt by the Division's Santo Fe office. If we processed, If a protest is received,

SUPERVISOR REGULATORY & PERMITTING

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P. O. 110 × 2088 SANTA FE, NEW MEXICO 87501

Form C-108 Revised 10-1-72

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

JPERATUR			ADDRESS				
SHELL OIL COMPANY			P. C	. BOX	991, HOUSTON	1. TX 7	7001
[WELL NO.	FIELD				COUNTY
SECTION 30		222	нове	SS_(G/S.	A)		LEA
LOCATION			•				
UNIT LETTER	F : •	VELL IS LOCATED	L470	FROM THE	NORTH	INC AND	1395 PEET FROM THE
WEST LINE, SECTION	30 +	оwняні» 18-S	MANGE 3	8 - E	Ныры.		
		CASING	AND TUBING D				
NAME OF STRING	3120	SETTING DEPTH	SACKS CEN	AEN T	TOP OF CEME	NT	TOP DETERMINED BY
COND.	16"	40'			SURFACE		CIRC.
INTERMEDIATE	0.5/011	1570'	950	27	SURFACE		CIRC.
(24#)	8 5/8"	1 13/0	930 :	3X	SURFACE		CIRC.
(14#)	.5 1/2"	4349'	800 S		350 sx		CBL
TUBING	2 7/8"	4050'			CKER VI @405	io'	
NAME OF PROPOSED INJECTION FORMA		· •	TOP OF FO	RMATION		BOTTOM O	OF FORMATION
SAN ANDRES		·	4030			1	49 '
S INJECTION PHROUGH TURING, CASING	GOR ANNULUS?	PERFORATION	S OR OPEN HOLE!	PROPOSED	INTERVAL(S) OF INJE	CTION	
TIBING S THIS A NEW WELL DRILLED FOR DISFOSAL?	IF ANSWER I	PERFORA			- 4229 t	ZONE OTH	EVER SEEN PERFORATED IN ANY ER THAN THE PROPOSED INJEC-
YES						TION ZONE	NO
LIST ALL SUCH PERFCRATED INTERVAL	S AND SACKS OF C	EMENT USED TO SEAL (GFF OR SQUEEZE EA	TC H			
SEPTH OF BOTTOM OF CEEPEST		DEPTH OF BOTTOM OF	F NEXT HIGHER		DEPTH OF TO	OF NEXT I	LOWER
215		OIL OR GAS ZONE IN	•		OIL OR GAS Z	5435 !	S ARCA
ANTICIPATED DAILY MINIMUM	MAXIMUM		ED TYPE SYSTEM	IS INJE	CTION TO BE BY GRA		APPROX. PRESSURE (PSI)
, 200	5000	CLC	DSED		PRESSURE		MEMO 3-77
MSWER YES OR HO WHETHER THE FOLI BALLIZED TO SUCH A DESPIE AS TO BE	. UNFIT FOR DOMES	TE MIN- WATER	TO BE DISPOSED O	SAL ZO	L WATER IN DISPO-	ARE WATE	R ANALYSES ATTACHED?
STOCK, IRRIGATION, OR OTHER GENERAL			YES		YES	L	NO
TAME AND ADDRESS OF SURFACE OWNE	M (OR CESSEE, IF	SIAIR ON PEDENAL LAP	NO)				
IST HAMES AND ADDRESSES OF ALL O	PERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION W	ELL			
							
·							
•	•						
							·
AVE COPIES OF THIS APPLICATION BE	SURFACE OWN	YEA	EACH OPER	ATOR WITH!	N ONE-HALF MILE		
ME THE FOLLOWING ITEMS ATTACHED	TO PLAT OF ARE		ELECTRICA	LOG		DIAGRAMM	ATIC SECTOR OF WELL
HIS APPLICATION ISCE BULE 701-B)	:		1)	
// I hereby car	tely that the inf	ormution above is	true and comple	le to the	best of my knowl	edve and	belief.
	エン					p - and	= - : - : - : - : - :

NOTE: Should naivers from the surface indier and all operators within one-half mile of the proposed injection well is accompany this application, the New Mexico this Conservation. Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa Se office. If

SUPERVISOR REGULATORY & PERMITTING
(Title)

Form C-108 Restsed 10-1-75

P. O. HOX 2088 SANTA FE, NEW MEXICO 87501

ADDITION TO DISDOSE OF SALT WATER BY INJECTION INTO A POROUS EORIATION

			ADDRESS		······································	
SHELL OIL COMPANY			P. O.	BOX 991,	HOUSTON, T	x 77001
tere stat		WELL #0.	71610	(= (=)		COUNTY
SECTION 30		232	HOBBS	(G/SA)		LEA
	V	VELL IS LOCATED <u>14</u>		SOI	TH	. 1370
UNIT LETTER		TELL IS COCATED 14	<u> </u>	10M THE	TII LINE AN	D PEET FROM THE
WEST LINE, SECTION	30 ••	18-S	PANCE 38-1			· · · · · · · · · · · · · · · · · · ·
NAME OF STRING	SIZE	SETTING DEPTH	AND TUBING DAT	—	P OF CEMENT	TOP DETERMINED BY
SURFACE CAS-NG						
· (COND.)	16"	40'			SURFACE	CIRC.
INTERMEDIATE					JUNIAOL	VIIV.
(24#)	8 5/8"	1600'	875 sx		SURFACE	CIRC.
LONG STRING						
(14#)	5 1/2"	4555'	1100 sx		400'	CBL
TUBING		40001	NAME, MODEL AND D			
NAME OF PROPOSED IN ECTION FORMA	2 7/8"	4080'	GUIBERSON		ER VI @4080	OM OF FORMATION
SAN ANDRES IS INJECTION THROUGH TESING, CASIN	GOR ANNULUS?	PERFORATIONS	4087 to a open hole PR	OPOSED INTERVA	LES OF INJECTION	4555'
THE THE		DEDECRA	TIONS	4170' - 4	4310 '	
TUBING IS THIS A NEW WELL DRILLED FOR DISFOSAL!	IF ANSWER I	PERFORAT	SE WAS WELL ORIGIN		HAS	WELL EVER SEEN PERFORATED IN ANY OTHER THAN THE PROPOSED INJEC-
YES						ZONE?
LIST ALL SUCH PERFORATED INTERVAL	S AND SACKS OF C	EMENT USED TO SEAL O	FF OR SQUEEZE EACH	1		
<u></u>						
DEPTH OF BOTTOM OF SEEPEST FRESH WATER ZONE IN THIS AREA		DEPTH OF BOTTOM OF	NETT HIGHER THIS AREA	C	DEPTH OF TOP OF N	EXT LOWER . THIS AREA
ANTICIPATED DAILY THINIMUM	MAXIMUM	342	71 ED TYPE SYSTEM	15 15 15 15 15 15 15	54	A APPROX. PRESSURE (PSI)
INJECTION VOLUME !	1			PRESSURE?		
200	5000	RE MIN- WATER	OSED	HATURAL WATE	RESSSURE	MEMO 3-77
ERALIZED TO SUCH A DESPTE AS TO BI Stock, irrigation, or other genera		STIC.	YES	SAL ZONE	ES	NO
AME AND ADDRESS OF SURFACE OWNE	R IOR LESSEE, IF	STATE OR FEDERAL LAN				110
LIST HAMES AND ADDRESSES OF ALL O	PERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION WEL	L		
<u> </u>						
-	•					-
						
	EN SURFACE OWI	NER	EACH OPERATO	OR WITHIN ONE-H	ALF MILE	
HAVE CORIES OF THIS APPLICATION BE	1					
NAVE CORIFS OF THIS APPLICATION BE SENT TO EACH OF THE FOLLOWING?	1		4 1		•	
NAVE CODITS OF THIS APPLICATION OF SENT TO EACH OF THE FOLLOWING? AME THE FOLLOWING ITEMS ATTACHED THIS APPLICATION ISCE BULK 701-8)	TO PLAT OF ARE	A	ELECTRICAL L	06	DIAG	IAMMATIC SKETCH OF WELL

(Signature)

SOR REGULATORY & PERMITTING (Title)

AUGUST 11

NOLE: Should waivers from the surface mover and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Division will hold the application for a period of 15 days from the Lite of receipt by the Division's Santa Fe affice. If ut 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 you a run.

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

37(# A 1 U #				AODACES					
SHELL OIL	COMPANY		·	P. 0	BOX 991	, HOUSTON	, TX 7		
CEATE FALL			WELL NO.	71620				COUNTY	
	30		422	HOBBS	G (G/SA)		_	LEA	
LOCATION				•					
	UHIT LETTER	<u>H</u> : w	LL 10 LOCATED	20 , , , ,	FROM THENO	RTH	ME AND	1300 , , , , , , , , , , , , , , , , , ,	M THE
EAST'	LINE, SECTION	30.	~nsni> 18-S	**** 38-E	ныр	u.			
			CASING	AND TUBING DA	TA				
NAME OF	STRING	SIZE	SETTING DEPTH	SACKS CEM	ENT T	OP OF CEME	N T	TOP DETERMINED B	٧
SURFACE CASING									
	(COND.)	16"	40 '			SURFACE		CIRC	
INTERMEDIATE									
	(24#)	8 5/8"	1524'	850 sx		SURFACE		CIRC.	
CONG STRING		•				_			
	(14#)	·5 1/2"	4510'	1000 sx		SURFACE		CIRC.	
TUBING				HAME, MODEL AND	DEPTH OF TUBIN	G PACKER			
MAME OF PROPOSED		2 7/8"	4030'	GUIBERSON		ER VI @40			
WANT OF PROPUSED	INSECTION FORMA	1104		100 00 708	MATION		BOTTOM C	F FORMATION	
SAN ANDRE		COR ANNUI US 2		402			45	10'	
23 Marchion Annual		4 00 1,100037	PEARONALIONS	ON OPEN HOLEY		- • · · ·			
TIRING	OFILLED FOR	IF ANSWER IS	PERFORAT		4108' -		HAS WELL	EVER SEEN PERFORATED I	N ANY
BISFOSAL?							ZCNE OTH	ER THAN THE PROPOSED IN E?	166-
YES	CAATED INTERVAL	S AND SACES OF CE	MENT USED TO SEAL O	FF OR SQUEEZE EAC	:н	J		NO	
BEPTH OF BOTTOM C	FOCCPEST		DEPTH OF BOTTOM OF			DEPTH OF TOP			
PRESH WATER ZONE	715 T		OIL OR GAS ZONE IN T	3403		OIL OR GAS ZO			
ANTICIPATED DAILY	TMINIMUM I	MARIMUM	OPEN OR CLOSE	ED TYPE SYSTEM	IS INJECTION	TO BE BY GRAV	5402	APPROX. PRESSURE [PSI]	
.8865.1	200	5000	CLOSE	n		PRESSURE	!	MEMO 3-77	.
ANSWER YES OR NO A	WHETHER THE FOL	LOWING WATERS ARI	E MIN- WATER		HATURAL WA		ARE WATE	A ANALYSIS ATTACHED?	
STOCK, IRRIGATION,	CR OTHER GENERA	L USE -	l .	YES	1	YES		NO .	
TAME AND ADDRESS	OF SURFACE OWNE	R (OR LESSEE, IF S	TATE OF FEDERAL LAN	0)			_	,	
LIST HAVES AND ADD	ACSSES OF ALL O	PERATORS WITHIN O	HE-HALF () MILE OF	THIS INJECTION WE	LL				
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	·								
SAVE COPIES OF THIS	APP: IFATION AF	CH SUBSACE OWN		Tracu open.	IOR WITHIN ONE				
TENT TO EACH OF THE	C FOLLOWING!	1	• •	OF THIS WEL	L.				1
ING THE FOLLOWING	ITEMS ATTACHED	TO PLAT OF ARTA		ELECTRICAL	L06	+	DIAGRAMA	ATIC SECTOR OF WELL	
INTERPLICATION IS	CE PULE 701-B)			!		1		THE SECTION OF THESE	j
		i		i					}
	_ 1 \ \	estu that the info	rmution above is t	بقيدات للتناج فيتنج مدينة			1 1		

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

A. J. FORE SUPERVISOR REGULATORY & PERMITTING AUG

MOLE: Should waiters from the surface monet and all operators within one-half mile of the proposed injection well not accompans this application, the "we Mexico Did Conservation Division" will hold the application for a period of 18 days from the date of receipt by the Division's Santa he office. If at the end of the 15-day waiting period no protest has been received by the Santa he application will be processed. If a protest is received, the application will be set for hearing, if the applicant in requires, see Nove 701.

form C-108 Revised 10-1-75

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

fures tus								
			ADDACAS			_		
SHELL OIL COMPANY	 	WELL NO.	P. 0.	BOX 991,	HOUSTON	, TX 7	7001	
SECTION 30		442	HOBBS	(G/SA)			LEA	
LOCATION								
UNIT LETTER		ELL IS LOCATED13	300	IOM THE S	OUTH L	NE AND	1050	OM THE
	2.0	10.0	20. 1	7				
EAST LINE, SECTION	30 ••	CASING	AND TUBING DAT		•			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEME		OP OF CEME	47	TOP DETERMINED	5 Y
SURFACE CASING								
(COND.)	16"	40 1			SURFACE		CIRC.	
(24#)	8 5/8"	1606'	850 sx		SURFACE		CIRC.	
(14#)	5 1/2"	4510'	1075 sx		SURFACE		CIRC.	
TUBING			HAME, MODEL AND D	EPTH OF TUBING	PACKER			
	2 7/8"	4030'		N UNI-PACI	KER VI @4			
NAME OF PROPOSED INJECTION FORMAT	10%		TOP OF FORM	ATION			OF FORMATION	
SAN ANDRES	OR ANNULUS?	PERFORATIONS	OR OPEN HOLET PR		A1 (5) OF 1815	TION	4510'	·
	,	1						
TUBING IS THIS A NEW WELL DRILLED FOR DISFOSAL!	IF ANSWER IS	PERFORAT		4110' - A	4252'		EVER SEEN PERFORATED ER THAM THE PROPOSED I	
YES							NO	
Els. Acc July Penronnies intentne	S AND SACKS UP L	EMENT DEED TO SEAL O	PP ON SQUEETE EACH					
DEPTH OF BOTTOM OF DEEPEST		DEPTH OF BOTTOM OF	NETT MIGHER		DEPTH OF TOP	OF HETT I	0.96	
PRESH WATER ZONE IN THIS AREA		OIL OR GAS ZONE IN T	HIS AREA		DIL OR GAS ZO	NE IN THE	S AREA	
215	MAXIMUM		387 TYPE SYSTEM	IS INJECTION	TO BE BY GRAV	5397	APPHOX. PRESSURE IPS	1)
INJECTION VOLUME I	5000		OGER	PRESSURE?			MEMO 3-77	
ANSWER YES ON NO WHETHER THE FOLL ERALIZED TO SUCH A DESH'E AS TO BE	1 5000 DAING WATERS AR	E MIN- WATER	OSED TO BE DISPOSED OF	NATURAL WAT	PRESSURE	ARE WATE	MEMU 3-//	
STOCK, IRRIGATION, OR OTHER GENERAL	USE -		ES	, YI	ES		NO	
SAME AND ADDRESS OF SURFACE DWNER	OR LESSEE, IF	STATE OR FEDERAL LANG	0)					
LIST NAMES AND ADDRESSES OF ALL OF	PERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION WEL	L				
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·								
•	-						•	į
· · · · · · · · · · · · · · · · · · ·					·			
	 							
HAVE COPIES OF THIS APPLICATION SEE	M SURFACE OWA	ı£A	EACH OPERAT	OR WITHIN ONE-	HALF MILE			
TENT TO EACH OF THE FOLLOWING?	1		I OF THIS WELL	-				
ARE THE POLLOWING ITEMS ATTACHED	O PLAT OF ARE	<u> </u>	ELECTRICAL L	.06		DIAGRAMM	ATIC SECTEN OF WELL	
THIS APPLICATION (SEE BULE 701-B)	:		į		,			ĺ
/ / Khareby cert	ify that the inf	ormation above is to	rue and connlete	to the best o	f my knowle	dee and	helief.	

SUPERVISOR REGULATORY & PERMITTING AUGUST 11, 1981 (Title)

NOTE: Should waivers from the surface inviter and all operators within one-half mile of the proposed injection well not accompany this application, the Ne Mexico the Convention Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa be office. If at the end of the 15 day nating period no protest has been received by the Santa Te office, the application will be processed. If a protest is received, the amplication will be set for hearing, if the applicant so requisits, ser win e ras.

P. O. 110 X 2088

Form C-108
Revised 10-1-75

SANTA FE, NEW MEXICO 87501

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

STERATOR					A00#688					
į.					l	DOM: 001			700*	
SHELL OI	L COMPANY		WELL #0.		P. O	. BOX 991	, HOUSTON	, TX /	/001 county	
SECTION	31		312		HOBB	S (G/SA)			LEA	
LOCATION						0 (0/011/				
	UNIT LETTER	В , "	ELL IS LOCATED	1262	,	FROM THE	NORTH	1	.520	
	• •									
EAST	CINE, SECTION	31 ,	waship 18	-S .,	NGE 38	-E	u.			
					TUBING D					
NAME OF	STRING	SIZE	SETTING DEP	TH 3	ACKS CEM	ENT	TOP OF CEME	NT	TOP DETERMINED BY	·
	(COVD	1611	/01	j				1		
INTERMEDIATE	(COND.)	16"	40'				SURFACE		CIRC.	
	(24#)	8 5/8"	1598'		950 sx		SURFACE		CIRC.	
LONG STRING	(2111)		1098		9 <u>0</u> 0 SX		BORTAGE		OIRO.	
	(14#)	. 5 1/2"	4510'	ŀ	1050 sx		SURFACE	- 1	CIRC.	
TUBING				NAME.	MODEL AND	DEPTH OF TUBI	HG PACRER			
		2 7/8"	4067'		GUIBERS	ON UNI-PA	CKER VI @	4077 '		
NAME OF PROPOSED	HECTION FORMAT	104			TOP OF FOR	RMATION		BOTTOM O	FFORMATION	
SAN ANDRI	ES	DR ANNULUS 7	· ·	1044 08 01		77'	RYAL(S) OF INJE	45	10'	
13 14756 1104 1440			1		EN HULEY	-	AAVE(2) ON INTE			
TIBING	LL DRILLED FOR	IF ANSWER IS	PERFO	RATION			<u>-4240'</u>	HAS WELL	EVER SEEN PERFORATED IN	
DISFOSAL!								ZONE OTHE TION ZONE		cc-
YES	FCRATED INTERVAL	S AND SACKS OF C	MENT USED TO SE	AL OFF OR	SQUEEZE EA	сн			NO	
	-									
DEPTH OF BUTTOM	OF CEEPEST		DEPTH OF BOTTON				DEPTH OF TOP	OF NEXT L	OWER	
210 T			3399	•				5403 '		
ANTICIPATED DAILY INJECTION VOLUME IBBLS.)	RINIMUM	MAXIMUM	OPEN OR C	LOSED TYP	E SYSTEM	IS INJECTIO PRESSURE?	N TO BE BY GRAY	ITY OR	APPROX. PRESSURE (PSI)	
	200	5000		CLOSED			PRESSURE		MEMO 3-77	
ERALIZED TO SUCH	A DEST E AS TO BE	UNFIT FOR DOMES	TIC,			SAL ZONE		ARE WATER	ANALYSES ATTACHED?	
TAME AND ADDRESS	OF SURFACE OWNER	OR LESSEE, IF	TATE OR FEDERAL		ES	<u>Y</u> .	ES		NO	
LEST MAMES AND AC	DORESSES OF ALL O	PERATORS WITHIN	DHE-HALF (1) MILE	OF THIS !	NJECTION WE	LL				
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MAYE COPIES OF TH	IS APPLICATION SEE	N SUPFACE OWN	ER		EACH OPERA OF THIS WE	TOR WITHIN ON	E-HALF MILE			
10 2307 07 1	rockaniani	•			Or 1813 HE	~~				
ARC THE FOLLOWING	G TTEMS ATTACHED	TO PLAT OF AREA		<u> </u>	ELECTRICAL	LOG		DIACRAMMI	ITIC SECTEN OF WELL	
		: 								
,(hereby cer	tify that the inf	ormution whove	is true a	id complet	e to the best	of my knowle	dge and t	pelief.	

A. J. FORE SUPERVISOR REGULATORY & PERMITTING

AUGUST 11, 1981

(Da

P. O. HOX 2088

SANTA FE, NEW MEXICO 87501

rorm L-100 Revised 10-1-75

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

JP(AATUR				TADDRESS		·	
SHELL OF	IL COMPANY			P. O.	BOX 991, H	OUSTON. TX	77001
Transact.	III OCIATIIVI		WELL NO.	FIELD	2011 2221 11	0001011, 111	COUNTY
SECTION	32		132	HOBBS	(G/SA)		LEA
POITATION				•			
	UNIT LETTER	i •	TELL IS LOCATED	400	IOM THESOUT	H LINE AND	1300 PEET FROM T
THEOT		2.2.	10.0	2	0 17		
WEST	LINE, SECTION	_32	CASING	AND TUBING DAT	<u>8-Е ныры.</u> :А		
NAME O	FSTRING	SIZE	SETTING DEPTH	SACKS CEME		OF CEMENT	TOP DETERMINED BY
SURFACE CASING							
- •	(COND.)	16"	40'	-	SL	RFACE	CIRC.
STAIGSMASTPE							
	(24#)	8 5/8"	1550'	875_sx	SU	RFACE	CIRC.
LONG STRING					977		
TUBING	(14#)	5 1/2"	4510'	1275 sx		RFACE	CIRC.
		2.7/011		CHIPPEDGON	IDIT DAGUED	TIT 0/0001	•
NAME OF PROPOSE	D INJECTION FORMA	2 7/8"		TOP OF FORM	UNI-PACKER		M OF FORMATION
SAN ANDE	RES			3998'		1 /	510'
	OUGH TERING, CASIN	GOR ANNULUS?	PERFORATIONS	OR OPEN HOLE! PR	OPOSED INTERVAL	S) OF INJECTION	210
TUBING_			PERFORAT	TONS	4092' - 4	2541	
S THIS A NEW WE DISFOSAL?	LL DRILLED FOR	IF ANSWER I	S HO, FOR WHAT PURPOS	E WAS WELL ORIGIN	ALLY DRILLED?	HAS W ZGNE C TION Z	CLL EVER SEEN PERFORATED IN A OTHER THAN THE PROPOSED INJEC-
YES			EMENT USED TO SEAL OF				NO
LIST ALL SUCH PE	HE CHAILE SINTERVAL	S AND SACKS OF C	EMENT USED TO SEAL OF	FF OR SQUEEZE EACH	•		
DEPTH OF BOT"CM	CF SEEPEST		DEPTH OF BOTTOM OF	NEXT HIGHER	DEP	TH OF TOP OF NEX	T LOWER
2051	E IN THIS AREA		3377	HIS AREA	oir	OR GAS ZONE IN T	3251
ANTICIPATED DAIL		MAXIMUM		D TIPE SYSTEM	IS INJECTION TO I	L BY GRAVITY OR	
(89(5.)	200	5000	CLOSE)	İ	PRESSURE.	MEMO 3-77
じゃんしけてもつ ブラ ちいじ	O WHETHER THE FOL	LOWING WATERS AT	RE MIN- WATER	TO ME DISPOSED OF			ATER ANALYSES ATTACHED?
	H, CR OTHER GENERA			YES	YE	s	NO
TAME AND ADDRES	S OF SURFACE OWNE	R (ON LESSEE, IF	STATE OF FEDERAL LAND	1			
	ADDRESSES OF ALL O	DEBLYCHE WITHIN	ONE-WALE IN LABOUR OF	TUIS 10 (5C 7100 WE)			
		PERALUAS WILKIN	ONE-HALF () MILE OF		•		
		_ 					
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AVE COPIES OF T	HIS APPLICATION BE	EN JUNFACE ON	HER	EACH OPERATI	CR WITHIN ONE-HAL	/ MILE	
THE TO EACH OF	THE FOLLOWING?			I OF THIS WELL			
	S ITEMS ATTACHED	TO PLAT OF ARE	<u> </u>	ELECTRICAL L	.06	DIAGRA	MMATIC SECTEN OF WELL
HIS APPLICATION	ISCE MULE 701-B)	:		1) 	
	/ A hamby on	that the int	formution above is to	are and complete	to the best of -	w knowledge g	nd belief

(Signature)

SUPERVISOR REGULATORY & PERMITTING

AUGUST 11,

(Title)

Should namery from the surface moner and all operators within aneshalf mile of the proposed injection well not accompany this application, the New Mexico till Conservation Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa &e 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 upplicant so requests, ser Bon # 761.

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

JP(MATUM						ADDALES		 		
SHELL OIL CO	MP A NY					P O.	ROX 99	1, HOUSTO	V.T. V	77001
CASE SANT	111 11111	·	1	WELL NO.		FIELD	BOIL 33	r, noobro	1, 11	County
SECTION 32				222		HOBBS	(G/SA)			LEA
GCATION			•							
UHIT	LETTER	F	(LL 8 L	OCATED	720			NORTH	OHE 3#1	1370 PEET FROM TO
	. •									
WEST LINE.	\$ECT10#	32 ***	****	18-S		38-I		PM,		
			1.5.		T	TUBING DAT	_T			
NAME OF STRE	NG	SIZE	3511	ING DEPTH	³	ACKS CEME	NT	TOP OF CEME	NT	TOP DETERMINED BY
_	(CONT)	16"		/ O. T				aun e i an		arn a
STERMEDIATE	(COND.)	10		40 '	 			SURFACE	-	CIRC.
	(24#)	8 5/8"		1607'		800 sx		SURFACE		CIRC
ONE STRING	(2411)			1007	-	000 3x		BURFACE	· · ·	CIRC.
	(14#)	. 5 1/2"		4510 '		900 sx		750 '		CBL
UBING	14#1	<u> </u>	 		HAME,	MODEL AND D	EPTH OF TU	ING PACKER	-	
	İ	2 7/8"		4006 '	G	UIBERSON	UNI-PA	CKER VI @4	006	
AME OF PROPESED INJEC	TION FORMATI		L	1000		TOP OF FORM				OF FORMATION
SAN ANDRES				•		40051				4510'
S INJECTION THROUGH TL	AING, CASING	OR ANNULUS?		PERFORATION	3 OR OP	EN HOLE! PR	OPOSED INT	ERVALIST OF INJE	CTION	
TURING				PERFORA			4090'			
S THIS A NEW WELL DRIL ISPOSAL?	LED FOR	IF ANSWER IS	HO, FOR	WHAT PURPO	35E WAS	WELL ORIGINA	ALLY DRILL	D ?	HAS WEL ZONE OF TION ZOS	L EVER SEEN PERFORATED IN AS HER THAN THE PROPOSED INJEC-
YES								· .	1104 20	NO
IST ALL SUCH PERFCRAT	ED INTERVALS	AND SACES OF CE	MENT U	SED TO SEAL	OFF OR	SQUEEZE EACH	•			
			Г							
EPTH OF BOTTOM OF SEE BESH WATER ZONE IN TH			OIL OR	OF BOTTOM O	THIS AF	T E A		DEPTH OF TO		
2051	IN UM	IMAZIMUM	<u> </u>	OPEN OR CLOS	337	11	TIS INVEST	ON TO BE BY GRA	53331	APPROX. PRESSURE (PSI)
BECTION VOLUME !		1	l				PRESSURE	•		ļ
NSWER TES OF NO WHE"	200	5000	E MIN-		OSED	DISPOSED OF	NATURAL I	PRESSURE		MEMO 3-77
PALIZED TO SUCH A DESM TO RO, MOITADIRMI, RODT	I E AS TO BE 1	INFIT FOR DOMES	TIC.	; 1		ES	SAL ZONE	YES		NO
AME AND ADDRESS OF SU	FFACE OWNER	ION LESSEE, IF S	TATE OR	FEDERAL LA			<u> </u>	1110	I	NO
IST NAMES AND ADDRESS	CS OF ALL OPE	ERATORS WITHIN	NE-HALF	() MILE OF	TH15	NJECTION WEL	<u>. </u>			
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THE TO EACH OF THE FOL	LICATION BEEN LOWING!	SURFACE OWN	CA			EACH OPERATO OF THIS WELL	OR WITHIN O	HE-HALF MILE		
2011	A * * A C = 4 P = -	PLAT OF AREA				********	<u> </u>		† <u> </u>	
E THE FOLLOWING ITEN- MET APPLICATION (SEE RU	:CE 701-8)	. FLAT OF AREA				ELECTRICAL L	.56		DIACRAM!	MATIC SECTEN OF WELL
		<u>i </u>							! !	
0(/6	bereby certi	fy that the infe	ormutio	n wbove is	true ac	nd complete	to the bes	it of my knowl	edge und	l belief.
	l patrice.	T=								

SUPERVISOR REGULATORY & PERMITTING

MHE: Should univers from the surface owner and all operators within one-half mile or he proposed injection well not accompany this application, the New Mexico that transervation Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa be office. If at the end of the 15-day waiting period no protest has been received by the Santa-Le-office, the application will be processed. If a protest is received, the application add be set for hearing, if the applicant so requests, see some 16 i.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P 0. 110 × 2088 SANTA FE, NEW MEXICO 87501

Form C-108 Revised 10-1-75

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

JPERATUR				ADDRESS				
SHELL OIL	COMPANY			P. 0	. BOX	991, HOUSTON	. TX 77001	
SECTION	32		323	FIELD	S (G/S.			LEA
LOCATION					`_			
		<u>G</u> . •	ELL 18 LOCATED	70	FROM THE	NORTH	NE AND	OO FEET FROM THE
EAST	LINE, SECTION	3.2	WHSHIP 18-S	#ANGE 38-		ныры.		
NAME OF	STRING	SIZE	SETTING DEPTH	AND TUBING D		TOP OF CEME	700	DETERMINED BY
SURFACE CASING			Jarringserin			TOP OF CEME	102	DETERMINED 61
INTERMEDIATE	(COND.)	16"	40'	•		SURFACE		CIRC.
	(24#)	8 5/8"	1600'	1100	sx	SURFACE		CIRC.
LONG STRING	(14#)	5 1/2"	4400'	820	T 1	SURFACE		CIRC.
TUBING		2 7/8"	3974'	GUIBERSO		PACKER VI @39	974 '	
NAME OF PROPOSED	INJECTION FORMA		·*	TOP OF FO	RMATION	-	BOTTOM OF FORK	ATION
SAN ANDRE			· · · · · · · · · · · · · · · · · · ·		973 '		4400 '	
TUBING	IGH TLBING, CASIN	C.OR ANNULUS?	PERFORATIONS			1 - 4332 T	TION	•
S THIS A NEW WELL	L DRILLED FOR	IF ANSWER IS	NO. FOR WHAT PURPOS				ZONE OTHER THA	SEEN PERFORATED IN ANY
YES							TION ZONE?	NO
	FCRATED INTERVAL	S AND SACKS OF C	EMENT USED TO SEAL OF	FF OR SQUEEZE EA	СН			
DEPTH OF BOTTOM OF PRESH WATER ZONE			DEPTH OF BOTTOM OF OIL OR GAS ZONE IN T	NEXT HIGHER HIS AREA 50 t			OF NEXT LOWER THE IN THIS AREA	
ANTICIPATED DAILY	EITHIMUM	MAXIMUM	1	D TYPE SYSTEM	IS INJE	CTION TO BE BY GRAY		X. PRESSURE (PSI)
18865.)	200	5000	CLOS	SED		PRESSURE	ME	10 3-77
ANSWER YES OR NO ERALIZED TO SUCH A STOCK, BRRIGATION,	A DESPIE AS TO BE	UNFIT FOR DOMES	E MIN- WATER	YES	F NATURA	YES	ARE WATER ANAL	
EESSCOA CHA SMA	OF SURFACE OWNE	R (OR LESSEE, IF S	STATE OR FEDERAL LAND					
IST NAMES AND 40	· · · · · · · · · · · · · · · · · · ·							
LIST NAMES AND 40	DRESSES OF ALL O	PERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION WI	ELL			
+		•						
		 ,					·	
	-							
AVE COPIES OF THE		EN SURFACE OWN	ER	EACH OPERA	TOR WITH	N ONE-HALF MILE		
FMF TO EACH OF TH	E FOLLOWING!	1		I OF THIS WE	e.c.			
ME THE FOLLOWING		TO PLAT OF AREA		ELECTRICAL	LOG		DIAGRAMMATIC SI	LETCH OF WELL
	1 heroby co	tify that the inf	ormation above is tr	nu and consta	In to the l		down and batisf	

A. J. FORE SUPERVISOR REGULATORY & PERMITTING AUGUST 11, 1981

Form C-108 Revised 10-1-72

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

SPERATUR			ADDAESS					
SHELL OIL COMPANY				BOX 991	, HOUSTON	, TX	77001	
TARE BANK		WELL NO.	FIELD				COUNTY	
SECTION 32		432	НОВВ	S (G/SA)			LEA	
LOCATION								
UNIT LETTER	I	WELL IS LOCATED1	400	FROM THESC	OUTH	NE AND .	1300	4 THE
•								
EAST LINE, SECTION	32 •	OWNSHIP 18-S	#AHGE 38	3-E	w.			
			AND TUBING D	ATA			 	
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEN	AENT T	OP OF CEME	NT	TOP DETERMINED 81	r
		{				1		
(COND.)	16"	40'	<u> </u>		SURFACE		CIRC.	
						į		
(24#)	8 5/8"	1600'	600 sx	:	SURFACE		CIRC.	
LONG STRING					_	į		
Tueing (14#)	5 1/2"	4400'	950 SX		SURFACE		CIRC.	
138176		20/11	1					
NAME OF PROPOSED INJECTION FORMA	2 7/8"	3941'	GULBERS	ON UNI-PAC	CKER @394]		OF FORMATION	
						801100	OF FORMATION	
SAN ANDRES	C.OR ANNULUS?	PERFORATION	3993		V41.65.05.1946	440	00'	
		, , , , , , , , , , , , , , , , , , , ,	3 ON OPEN MOLEY		_	7704		
TUBING	I F ANSWER	PERFORA		4062' -		WAS W.C.	L EVER SEEN PERFORATED II	
IS THIS A NEW WELL DRILLED FOR DISPOSAL?				THACE P DRIEGED		ZONE OF	HER THAN THE PROPOSED INJ	cc-
YES LIST ALL SUCH PERFERATED INTERVAL	S AND SACKS OF	EMENT USED TO SEAL	OFF OR SOUFFIT FA	ACH			NO	
DEPTH OF BOTTOM OF DEEPEST		DEPTH OF BOTTOM OF	F NETT HIGHER		DEPTH OF TOP	OF NEXT	LOWER	
PRESH WATER ZONE IN THIS AREA		OIL OR GAS ZONE IN	THIS AREA		OIL OR GAS ZO	HT HI 3H		
205 T MINIMUM	MAXIMUM	1 3363	ED TYPE SYSTEM	15 INJECTION	TO BE BY GRAV	288 T	APPROX. PRESSURE (PSI)	
INJECTION VOLUME	5000			PRESSURE?	DDEGGGGG		MENO 2 77	
ANSWER VES OR NO WHETHER THE FOL	LOWING WATERS A	RE MIN- WATER	CLOSED	F NATURAL WA	PRESSSUR		MEMO 3-77 ER ANALYSES ATTACHED?	
EMALIZED TO SUCH A DESPIE AS TO HE STOCK, IMPIGATION, OR OTHER GENERA	L USE -	STIC.	YES	SAL ZONE	, ,	N	0	
MANE AND ADDRESS OF SURFACE OWNE	A IOR LESSEE, IF	STATE OR FEDERAL LAN			1	11		
LIST WAMES AND ADDRESSES OF ALL O	PERATORS WITHIN	ONE-HALF (1) MILE OF	THIS INJECTION W	ELL				
								
								.
								
							•	
•								
								
TAVE COPIES OF THIS APPLICATION BE	EM SURFACE OW	NCR	EACH OPERA	ATOR WITHIN ONE	-HALF MILE			
	!		.					
THE THE FOLLOWING ITEMS ATTACHED THIS APPLICATION ISCE BULE 701-8)	TO PLAT OF ARE	A	ELECTRICAL	. 106	 !	DIAGRAM	MATIC SECTEN OF WELL	
	: !		!		į			
OC / Preceby cer	rtify that the in	formution above is	true and comple	te to the best	of my knowle	dge and	l belief.	
	0		• 1		-			

REGULATORY & PERMITTING

AUGUST 11, 1981

NOTE: Should waiters from the surface motier and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexics Oil Conversation Division will hole the application for a period of 15 days from the date of receipt by the Division's Sania be 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 toquests, see nor + 791.

P. O. HOX 2088

Form C-108 Revised 10-1-72

SANTA FE, NEW MEXICO 87501

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

UPE # 4 1 UR				ADDRESS					
SHELL OIL COMPANY				P. (D. BOX	991, HOUSTON	I, TX	77001	-
CARC = 1 GC		WELL	× 0.	FIELD				COUNTY	
SECTION 33			222	НОВ	3S (G/S	A)		LEA	
LOCATION	_			•		•			
UNIT LETTER		TELL IS LOCATED	1520)PEET	FROM THE	NORTH	THE AND	1470 PEET FROM	T H E
WEST LINE, SECTION	·33 *	****** 15	3-S	ANCE 3	8-E	чыры,			:
WEST CONT.			ASING AND			40-0.		····	
NAME OF STRING	SIZE	SETTING DE	PTH	SACKS CE	MENT	TOP OF CEME	NT	TOP DETERMINED BY	
SURFACE CASING									
· (COND.)	16"	4(<u>)' -</u>			SURFACE		CIRC.	
INTERMEDIATE	0.5/011	1			i				
(24#)	8 5/8"	1622.5	53'	800 sx		SURFACE		CIRC.	
	5 1 (01)	4400	, ,	1100		SURFACE	-	CIRC.	
TUBING (14#)	5 1/2"	4400		1100 sx		TUBING PACKER		CIRC.	
	2 7/8"	3694	' G	UIBERSO	N UNI-F	ACKER VI @3	594 '		
NAME OF PROPOSED INJECTION FORMA		.4		TOP OF FO				OF FORMATION	
SAN ANDRES				397	31	INTERVAL(S) OF INJE	_4	400'	
IS INJECTION THROUGH TLEING, CASIN	COR ANNULUS?	PERFOR	IATIONS OR C	PEN HOLE?	PROPOSES	INTERVAL(S) OF INJE	CTION		
TUBING	Tir Auswes T	PER	FORATION	NS	4062'	- 4276!	1002 000	L EVER SEEN PERFORATED IN	
GISFOSAL?	17 243464	S NU, FUR WHA!	PURPOSE WA	S WELL DATE	INALLY DRI	CC10?	ZONE OT	HER THAN THE PROPOSED INJE (E?	2-7
YES	S AND SACKS OF C	EMENT USED TO	SEAL OFF OF	S SQUEEZE E	ACH		J	NO	
DEPTH OF BOTTOM OF DEEPEST PRESM WATER ZONE IN THIS AREA		DEPTH OF BOT	TOM OF NEXT	THIGHER		DEPTH OF TO			一
200'		1	359 1			0.000	550		
ANTICIPATED DAILY MINIMUM INJECTION VOLUME F	MAXIMUM	OPEN O	R CLOSED TY	PE SYSTEM	IS INJE	CTION TO BE BY GRA	VITY OR	APPROX, PRESSURE (PSI)	
200	5000		CLOSED			PRESSURE	,	MEMO 3-77	
ANSWER YES OR NO WHETHER THE FOL ERALIZED TO SUCH A DESPIE AS TO BE STOCK, IRRIGATION, OR OTHER GENERA	UNFIT FOR DOME!	STIC.		•	SAL ZO	N E	ARE WAT	ER ANALYSES ATTACHED?	
TAME AND ADDRESS OF SURFACE DWNE		STATE OR FEDER	YE AL LANDI	<u>S</u>	i	YES		NO	
	•								
LIST NAMES AND ADDRESSES OF ALL O	PERATORS WITHIN	ONE-HALF () M	ILE OF THIS	INJECTION W	CLL	·			\dashv
		· <u> </u>							\neg
<u> </u>									
•	•					•	-		İ
									
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									-
HAVE COPIES OF THIS APPLICATION BE	EN SUNFACE OWI	ICA		EACH OPER	ATOR WITHI	N OHE-HALF MILE			\neg
	• • • • • • • • • • • • • • • • • • •			1					
ANE THE FOLLOWING ITEMS ATTACHED THIS APPLICATION ISSE BULE 701-B)	TO PLAT OF ARE	A		ELECTRICA	L L06	-	DIAGRAM	MATIC SECTEN OF WELL]
	<u>i</u> _			<u> </u>) 		
/ Merchy cer	tify that the inf	ormation above	e is true o	and consolu	to to the l	sest of my knowle	ايمر سيايي	halinf	

REGULATORY & PERMITTING

Revised 10-1-75

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

3P(0 4 1 U 0				AODREA					
				1			_		
SHELL OI	L COMPANY		WELL #0.	P.	O. BOX	991, HOUSTON	TX	77001	
SECTION	33		232	HOT	pe (ele			1	
SECTION SECTION				1 HOE	BS (G/S	oA)		LEA	
		17	-	,		COUTH		1270	
	UNIT LETTER	; •	VELL IN LOCATED	L595	T FROM THE	SOUTH	INC AND	1370	M THE
WEST	LINE, SECTION	33	DWWSHIP 18-S		38-E				
WEST	CINE, SECTION		 	AND TUBING		ныры,			
NAME OF	TATRING	SIZE	SETTING DEPTH	SACKS CI		TOP OF CEME	NT	TOP DETERMINED 8	Y
SURFACE CASING				1					
~ .	(COND.)	16"	40'		-	SURFACE	1	CTRC	
STERMEDIATE						SURPACE		LIN	
	(24#)	8 5/8"	1590'	800	:x	SURFACE	ļ	CIRC	
LONG STRING				1					
	(14#)	· 5 1/2"	4439'	750	sx .	SURFACE		CIRC.	
Fuelnc				HAME, MODEL A	O DEPTH OF	TUBING PACKER			
		2 7/8"	4008'			ACKER VI @40			
IAME OF PROPOSE	TAMROT HOITSSERE C	IOH		100 00	ORMATION		BOTTOM	DF FORMATION	
SAN ANDR	ES				3972'		<u> </u>	4439'	·
Z MIESTER INNO	UCH TERITO, CASING	OR ANNULUS?	PERFORATION	S ON OPEN HOLE!	PROPOSED	INTERVAL(S) OF INJE	CTION		
TUBING	1 0#" 1 60 FOR	IF ANSWER I	PERFORA)' - 4248'	lus wer	EVER SEEN PERFORATED I	- AMV
113 FQ 5 A L ?			3 40, 704 11,41 70470	SE WAS WELL DE	IGINALLY DR	icetor	ZONE OTH	ER THAN THE PROPOSED IN	JE C-
YES	FCHATED INTERVAL	S AND SACES OF C	EMENT USED TO SEAL	OFF OR SQUEEZE	EACH		l	NO	
EPPH OF BOTTOM	OF DEEPEST		DEPTH OF BOTTOM OF			DEPTH OF TOP	OF NEXT	LOWER	
RESH WATER ZONE	200 *		OIL OR GAS ZONE IN	3352 T		OIL OR GAS Z	529		
WILLIAM TED DAIL	A STATE OF THE STA	MAXIMUM		ED TYPE SYSTEM		CTION TO BE BY GRAI		APPROX. PRESSURE (PSI)	
MIECTION VOLUME	200	5000		LOSED	PRESSI	PRESSSUR	E.	MEMO 3-77	-
MANUE CT CITIAN	MHETHER THE FOLL A DESMIE AS TO BE	DAING WATERS AT	RE MIN- WATER		OF HATUR	AL WATER IN DISPO-		R ANALYSES ATTACHED?	
TOCK, IRRIGATION	. CR OTHER GENERAL	. USE -		YES	1	YES		NO	
223500A CHA 3MA	OF SURFACE OWNER	OR LESSEE, IF	STATE OR FEDERAL LAN	(0)			·	.,	
IST HAWES AND AC	DACSSES OF ALL OF	ERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION	WELL				
-	•								i
						····			<u> </u>
•		-				•	•	•	
		·					·		
									I
AVE COPIES OF TH	IS APPLICATION BEE	H SUPFACE OWI	HEA	EACH OPE	RATOR WITH	IN ONE-HALF MILE			
ENT TO EACH OF T	ME FOLLOWING?	1		LOF THIS I	/ELL				j
ME THE FOLLUMING	C ITEMS ATTACHED T	O PLAT OF ARE	A	ELECTRIC	AL LOG		DIAGRAMM	ATIC SECTOR OF WELL	-
MAS WALLIEWING	/01-8)					1			I
a(.	A hereby cert	ify that the inf	formution above is t	true and compl	ete to the	best of my knowle	due and	belief.	
/11 /	171	· P.					n		

SUPERVISOR REGULATORY & PERMITTING (Signature)

(Title)

NOTE: Should waivers from the surface invite and all operators within sechalf mile of the proposed injection well not accompany this application, the New Mexico the Conversation Division will hold the application for a period of 15 days from the date of receipt by the Division's Santa be 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, are more to i.

P. O. BOX 2088 Form C-108 Revised 10-1-75

SANTA FE, NEW MEXICO 87501

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

UPLHATUR				ADDREAD				
SHELL OIL COMP.	ANY				D. BOX	991 <u>, HOUSTO</u> N	, TX _	77001
SECTION 33			322	НОВІ	BS (G/SA	A)		LEA
LOCATION UNIT LET	rcn	G	ELL IS LOCATED	1385	PROM THE	NORTH	INC AND	1820
EAST LINE, SEC	TION	.22	waship 18-S	PANCE 38		N LA PAIL,		
			CASIN	G AND TUBING D	ATA			
NAME OF STRING		SIZE	SETTING DEPTH	SACKS CE	MENT	TOP OF CEME	NT	TOP DETERMINED BY
SURFACE CASING	OND.	16"	40'			SURFACE		CIRC.
INTERMEDIATE		8 5/8"	1600'	850	CV			
LONG STRING	24#)	0 3/0	1000	000	SX	SURFACE	}-	CIRC.
TUBING	14#)	5 1/2"	4510'	915		SURFACE		CIRC.
		2 7/8"	3980'			PACKER VI @	39801	
SAN ANDRES	FORMATIO	N		3983	DRMATION	i zwanik ek i Ga	BOTTOM	OF FORMATION
SAIN ANDRES	. CASING O	A ANNULUS?	PERFORATIO	HS OR OPEN HOLE?		NTERVAL(S) OF INJE		10'
TUBING			PERFORA	ATTONS		8' - 4270'		•
TUBING IS THIS A NEW WELL DRILLED DISFOSAL?	FOR	IF ANSWER 15	HO, FOR WHAT PURP	OSE WAS WELL ORI	SINALLY DRIE	LLED?		L EVER SEEN PERFORATED IN ANY HER THAN THE PROPOSED INJEC- IE? NO
YES	ATERVALS A	NO SACKS OF CE	MENT USED TO SEAL	OFF OR SQUEEZE E	ACH		1	NO
DEPTH OF BOTTOM OF DECPES FRESH WATER ZONE IN THIS A	T		BEPTH OF BOTTOM			DEPTH OF TO	OF NEXT	LOWER
200 '			OIL OR GAS ZONE IN	3380'		OIL OR GAS Z	52981	3 AREA
ANTICIPATED DAILY MINIMU INJECTION VOLUME	ü	MAXIMUM	OPEN OR CLO	SED TYPE SYSTEM	IS INJEC	TION TO BE BY GRA		APPROX. PRESSURE (PSI)
2	00	5000		OSED	05	PRESSURE		MEMO 3-77 ER ANALYSES ATTACHED?
CHALIZED TO SUCH A DESRIE . STOCK, INRIGATION, CR OTHER	S TO BE UN	FIT FOR DOMES	TIC,	YES	SAL ZON	YES	ATE WALL	NO NO
SAME AND ADDRESS OF SURFA	E DWNER (OR LESSEE, IF S	TATE OR FEDERAL LA	AND)				
LIST WAMES AND ADDRESSES C	F ALL OPER	ATCRS WITHIN	DHE-HALF () MILE O	F THIS INJECTION W	ELL			
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NAVE COPIES OF THIS APPLICATION		SURFACE OWN	CA	EACH OPER LOF THIS W	ATOR WITHIN	ONE-HALF MILE		
HE THE FOLLOWING ITEMS AT HIS APPLICATION ISCE BULE	TACHED TO 701-8)	PLAT OF AREA		ELECTRICA	06		DIAGRAMS	MATIC SECTOR OF WELL
		L						

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

(Signature) SUPERVISOR REGULATORY & PERMITTING (Title)

AUGUST 11, 1981

NOIE: Should was err from the surface moner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Division will hold the application for a period of 15 days from the date of receipt by the Division's Sania be office. If at the end of the 15-day waiting period no protest has been received by the Sania be application will be processed. If a protest is received, the application will be set for hearing, if the application is requested, ser now 705.