J. M. Huber Corporation

1900 Wilco Building Midland, Texas 79701

OIL AND GAS

April 23, 1975

TELEPHONE
MUTUAL 2-3794

RECEIVED

APR 24 1975

Q. C. C. ARTESIA, OFFICE

Mr. W.A. Gressett New Mexico Oil Conservation Commission Drawer DD Artesia, New Mexico 88210

> Re: Application to Dispose of Salt Water into Terra State #2 760' FSL & 2280' FEL, Section 14-T23S-R26E, Eddy County, New Mexico

Dear Mr. Gressett:

Enclosed in triplicate are "Application to Dispose of Salt Water into a Porous Formation" in the above captioned well along with copies of Waiver of Objection, Plats, Diagrammatic Sketch of proposed disposal well, and water analyses of water to be injected.

If there are any questions concerning this enclosed application, please call this office for clarification.

We await the Commission's earliest consideration and approval of this application.

Very truly yours,

J.M. HUBER CORPORATION

James R. Sutherland

District Production Manager

JRS:mt

Enclosures

Form C-108

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR			Lappaess		COMPER	
J.M. Huber Corp	poration		1900 Wi	lco Bldg., M	idland,	্র Texas 79701
LEASE NAME		WELL NO.	FIELD Sout	h Carlsbad		COUNTY
Terra State		2	Dela	<u>ware - Wildo</u>	at	Eddy
LOCATION UNIT LETTER	<u>0</u> ; we	LL IS LOCATED	760 FEET FROM	M THE South	INE AND	2280 FEET FROM THE
East Line, section	14 точ	VNSHIP 23S	RANGE 26E	NMPM.		
Hast			AND TUBING DATA	NWFW.	• • • • • • • • • • • • • • • • • • • •	
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEM	ENT T	OP DETERMINED BY
SURFACE CASING						
	8-5/8"	582'	420	Surface	Ci	rculated
INTERMEDIATE						
LONG STRING						
LONG STRING						
TUBING	4-1/2"	5300'	1200 NAME, MODEL AND DEP	900 TH OF TUBING PACKER	Tem	perature Sur.
	2-3/8"	1930 911	Halliburto		0.91' к	'D
NAME OF PROPOSED INJECTION FORMAT	2-3/0	1930.91	TOP OF FORMAT	11 V-4 T22	BOTTOM OF F	
Delaware			193	3' KB	524	4' KB
IS INJECTION THROUGH TUBING, CASING		PERFORATIONS	OR OPEN HULE! 19	650°-1678°°°, 1976	E-84', 2	653-60',
Tubing IS THIS A NEW WELL DRILLED FOR DISPOSAL?		Perfora	ations 28	25-31', 2837	'-43' &	2901-09'
IS THIS A NEW WELL DRILLED FOR DISPOSAL?	IF ANSWER IS				ZONE OTHER	ER BEEN PERFORATED IN ANY THAN THE PROPOSED INJEC-
NO LIST ALL SUCH PERFORATED INTERVAL	Wildca	t Evaluate	Delaware O	il Potential	.	Yes
				2300' - 250		
4491-4497 & 4500	J-4514. C	IBP @ 4460			40 .	I E B
FRESH WATER ZONE IN THIS AREA	375 '	OIL OR GAS ZONE IN	THIS AREA	oil or GAS	ZONE IN THIS AF	REA
ANTICIPATED DAILY MINIMUM	TMAXIMUM	None I	TIOWII	IS INJECTION TO BE BY GR. PRESSURE?	AVITY OR A	nyon)
(BBLS.) 200	1000	Or	oen '	Pressure? Pressur	1	1000
ANSWER YES OR NO WHETHER THE FOL			TO BE DISPOSED OF	NATURAL WATER IN DISPO-		
STOCK, IRRIGATION, OR OTHER GENERA	L USE -	1	Yes	Yes		Yes
NAME AND ADDRESS OF SURFACE OWNE			•			*
Dr. Robert A. Rul	benstein,	6505 Alvai	cado Road,	San Diego, C	aliforn	ia 92120
Mobil Oil Corpora	ation, P.	U. Box 1800	, Hobbs, N	ew Mexico 88	3240	
	·····			RE	CEIV	EU
				Λ!	PR 24 19	375
					O. C. C	i.
HAVE COPIES OF THIS APPLICATION BE SENT TO EACH OF THE FOLLOWING?	EN SURFACE OWN	ER	EACH OPERATOR	WITHIN ONE-HALF MILE	TENENEW MEX	ICO STATE ENGINEER
		Yes	1	Yes	11/1//	///////////////////////////////////////
ARE THE FOLLOWING ITEMS ATTACHED THIS APPLICATION (SEE RULE 701-B)	TO PLAT OF AREA		ELECTRICAL LO	G	DIAGRAMMAT	C SKETCH OF WELL
		Yes		Yes	<u> Y</u>	es
A hereby ce	rtify that the inf	ormation above is	true and complete t	o the best of my know	ledge and be	lief.
() DS.++.1	1.				54- · · · 7	10 1055
Tames A Surperland	nac	District	t Productio	n Manager	<u>March</u>	13, 1975
7ames R. Suthardan	J.		(Title)			(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.

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

LABORATORY LOCATION Midland API WATER ANALYSIS REPORT FORM

DATE 4/1/75

LAB NO. MX 24327

Company J. M. Huber			S	ample No.	Date	Sampled
Field	Legal D	escription		County or Par Eddy	ish	State N.Mex.
Lease or Unit	Well		Depth	Formation	Wat	er, B/D
Terra State	#1_		11200	Marrow Sa	and	
Type of Water (Produced, S Produced	Supply, etc.)	Sampling P	oint		Sam	pled By

DISSOLVED SOLIDS			OTHER PROPERTIES
CATIONS Sodium, Na (calc.) Calcium, Ca Magnesium, Mg Barium, Ba	mg/l 22,483 4,600 1,095	me/l 978 230 90	pH Specific Gravity, 60/60 F. Resistivity (ohm-meters) F.
ANIONS	7		WATER PATTERNS — me/l
Chloride, Cl Sulfate, SO ₄ Carbonate, CO ₃ Bicarbonate, HCO ₃	45,795 100 0 293	1,291 (2) 0 5	STANDARD 20 10 0 10 20 C1 Ca
Total Dissolved Solids (calc.)			LOGARITHMIC Nolumnia - համու -
			Ca llings miles miles miles s septimbles s septimbles miles s septimbles miles miles
Iron, Fe (total)	1,676 None		Mg
Sulfide, as H ₂ S	NOILE		Mg

REMARKS & RECOMMENDATIONS:

Dale Criddle - Regional Lab

TO: J. M. Huber Corporation 1900 Wilco Building Midland, Texas 79701 Attn: Mr. Jim Sutherland

Tulsa Lab, Midtex Lab, Crenshaw

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APR 24 1975

O. C. C. ARTESIA, OFFICE



DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

LABORATORY LOCATION Midland API WATER ANALYSIS REPORT FORM

DATE 4/1/75

LAB NO. MX 24326

Company J. M. Huber			S	ample No.	Date	Sampled
Field	Legal D	escription		County or Pa	rish	State N.Mex.
Lease or Unit Sorenson	Well #1		Depth 11200	Formation Marrow S		ter, B/D
Type of Water (Produced, Produced)	Supply, etc.)	Sampling P	oint		San	pled By

DISSOLVED SOLIDS CATIONS Sodium, Na (calc.) Calcium, Ca Magnesium, Mg Barium, Ba	mg/l me/l 18,736 815 2,000 100 974 80	pH 6.4 Specific Gravity, 60/60 F. Resistivity (ohm-meters) F.
ANIONS Chloride, Cl Sulfate, SO ₄ Carbonate, CO ₃ Bicarbonate, HCO ₃	35,145 991 Trace 0 0 232 4	STANDARD STANDARD Nd Cd Hill HILL STANDARD O O O O O O O O O O O O O
Total Dissolved Solids (calc.)	LOGARITHMIC Nammar manar manar manar ramma minar min
Iron, Fe (total) Sulfide, as H ₂ S	1,117 None	Co

REMARKS & RECOMMENDATIONS:

Dale Criddle - Regional Lab

TO: J. M. Huber Corporation

1900 Wilco Building Midland, Texas 79701

Attn: Mr. Jim Sutherland

Tulsa Lab, Midtex Lab, Crenshaw

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APR 24 1975

March 13, 1975

WAIVER OF OBJECTION
TO PROPOSED USE OF
THE J. M. HUBER CORPORATION
TERRA STATE No. 2
760' FSL & 2280' FEL
SECTION 14-T23S-R26E
EDDY COUNTY, NEW MEXICO
AS A SALT WATER DISPOSAL WELL

Mr. W. A. Gressett New Mexico Oil Conservation Commission Drawer DD Artesia, New Mexico 88210

Dear Mr. Gressett:

As surface owner under the captioned well, I have been duly informed by J. M. Huber Corporation of their Application to utilize the Terra State No. 2 as a Salt Water Disposal well and do hereby waive any objection to the granting of this application.

Yours very truly,

Robert A. Rubenstein

Surface Owner

Date: 3/25/75

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APR 24 1975

O. C. C. ARTESIA, OFFICE

WAIVER OF OBJECTION TO PROPOSED USE OF THE J.M. HUBER CORPORATION TERRA STATE NO. 2, 760' FSL & 2280' FEL SECTION 14, T23S-R26E, EDDY COUNTY, NEW MEXICO AS A SWD WELL.

Mr. W.A. Gressett New Mexico Oil Conservation Commission Drawer DD Artesia, New Mexico 88210

Dear Mr. Gressett:

As an authorized representative of the below named offset operator, I have been duly informed by J.M. Huber Corporation of their application to utilize the Terra State No. 2 as a SWD well, and do hereby waive any objection to the granting of this application.

Yours very truly,

MOBIL OIL CORPORATION
Offset Operator

By:

Date:



APR 24 1975

O. C. C.



1256 12051 311089 214686 Cit Serv	(Del-Apache)	Corinne Grace Carinne Grace	Mobil Mobil	(Mobil property Pennzoil vz)
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13384	Midwest)	Gradonoso"	K.Y. Antwerp W.E. Fowler, et al Lola L. Marshall	Joell' J.M. Aschbache
	3 YM St. Atoke 2.2 Mil. Morrows 4 Mil.	PLOCE: 110. 3. 13	12.7 Mil allett olders	Due 040547 Pennzoil Vall
		- Carles Caraca	(Gulf) 291Mil.	39.02 (Mobil) MO NM
U.S.	State	Abandaned Morrow Production State Humble Grace CorinneGrace	Collatt Est.Com. Myrtie D. Collatt Pennzoil Duot Disc.	U.S. 1Mo - N. M. Ld. Co
3077 Cities Service	Cit. Serv. (Allied Chem'z) 3-1-85 Tex Int Pet. /2 16-2666 K-4538	-1582 Cisco Cong Panagre DISC 15-19 12	(Mobil) Gulf (Mobil) Gulf 027994 Abn01 6MF 040547	Superior HBC Stephen
7 - 7 30 E	2017	General Oil MBP General Oil HBP	Pennzoil etali Cal-Monetal Mobil	Pennzoil w Superior
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oquina (Apexco) Coquina	Huber Corp. to 12051; V2	Huber Corp. Huber Corp. DR '2 1.0 West J.1.0 West	GEConley Mobil Y- See-1278 (Pennzoletal)	Phillips 2-9 Mobil
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APR 24 1975

O. C. C.

LEGEND

Delaware Producer

O Cisco

Canyon

O Strawn
Atoka

Morrow

J. M. HUBER CORPORATION

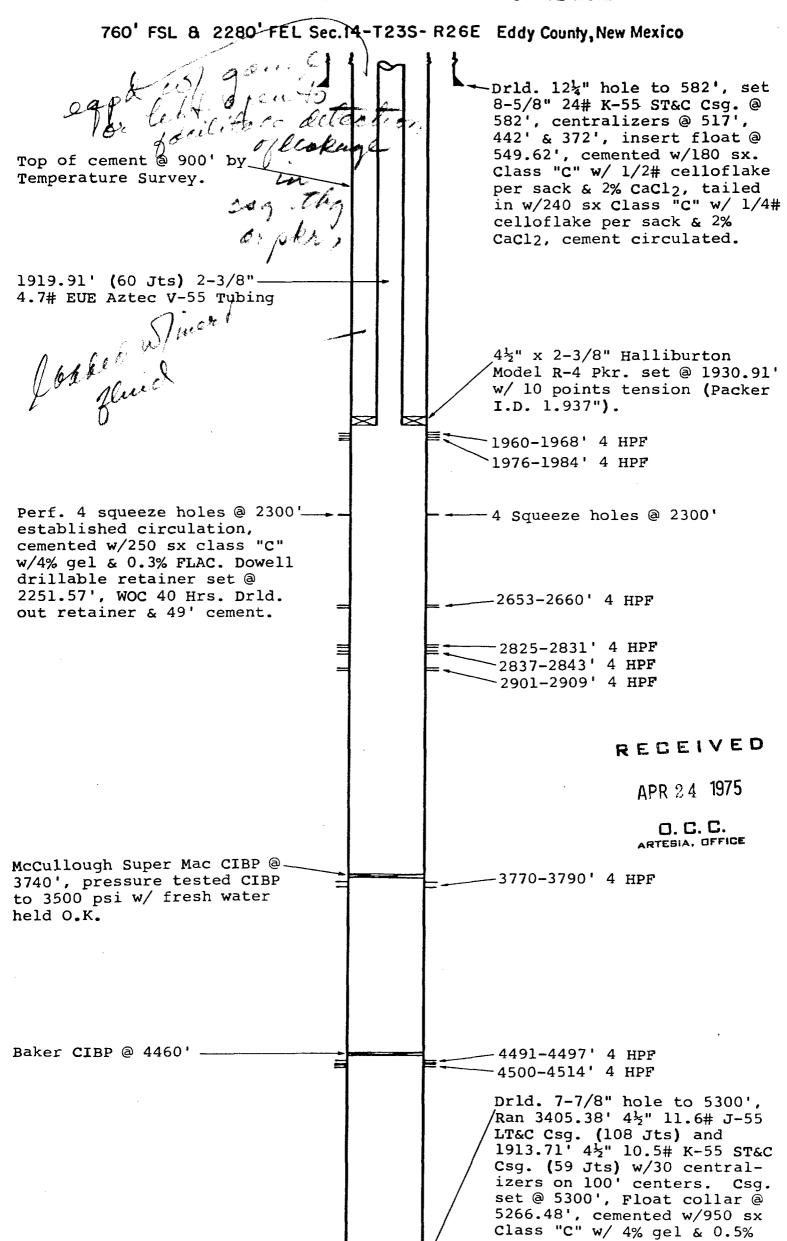
Terra-State No. 2

Proposed Water Disposal Well

Scale: 1" = 4000' 3-10-75

PROPOSED SALT WATER DISPOSAL WELL DIAGRAMMATIC SKETCH

J.M. HUBER CORPORATION - TERRA STATE NO. 2



FLAC.

OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE NEW MEXICO 87501

May 2, 1975

J. M. Huber Corporation 1900 Wilco Building Midland, Texas 79701

Re: Administrative Order No. SWD-166

Gentlemen:

Enclosed herewith please find Administrative Order No. SWD-166 for the following well:

Terra State Well No. 2, located in Unit O of Section 14, Township 23 South, Range 26 East, NMPM, Eddy County, New Mexico.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

ALP/CU/oq

cc: Oil Conservation Commission

Drawer DD

Artesia, New Mexico