OIL CONSERVATION COMMISSION OUT DISTRICT

OIL CONSERVATION COMMISSION BOX 2088 SANTA FE, NEW MEXICO (land Thung	RE: Proposed MC Proposed DHC Proposed NSL Proposed SWD Proposed WFX Proposed PMX
Gentlemen:	
I have examined the application dated to. the Dunce Catrologue Carologue Car	7-15-77 tale 20 2 F-20 2111-8 and Well No. Unit, S-T-R
and my recommendations are as follows:	
	Yours very truly,
	ar Kendrich

NEW MEXICO OIL CONSERVATION COMMISSION

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

ADDRESS

Dome Petroleum	Corp.			Broad	way, Denver	, co 8	30202	
Santa Fe and Pacific	r Railroad	WELL NO. 20-2	Snak	a Fvas	Entrada		COUNTY	luan
LOCATION	c Kurri oud	1 20-2	Silak	e Lyes	Littaua		San	Juan
UNIT LETTER	; we	LL IS LOCATED	2150	T FROM TH	North_	LINE AND	1980	_ FEET FROM TH
West LINE, SECTION	20 том	VNSHIP 21N	range 8W		=			
			G AND TUBING		нмрм.			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CE	MENT	TOP OF CEM	ENT	TOP DETER	MINED BY
	9-5/8"	213'	175		Circulated		Circulat	ion
INTERMEDIATE			1		o i i cu i u ccu		CITCUIAL	1011
LONG STRING								
	7"	5842'	1200		Circulated		Circulat	ion
TUBING	•	3012		D DEPTH OF	F TUBING PACKER		Circulat	1011
NAME OF PROPOSED INJECTION FORMA	3-1/2"	2860'	Baker Mo		/ "			
Jurassic Morrison			TOP OF F	5078	ı	1	OF FORMATION	
IS INJECTION THROUGH TUBING, CASIN	G, OR ANNULUS?	PERFORATION	S OR OPEN HOLE?		INTERVAL(S) OF INJE	CTION	10	
Tubing	Lie Auguse	Perfora			3'-5110'			
IS THIS A NEW WELL DRILLED FOR DISPOSAL?		NO, FOR WHAT PURPO			HLLED?	HAS WELL ZONE OTH TION ZONE	EVER BEEN PER ER THAN THE PRO E?	FORATED IN ANY OPOSED INJEC-
NO LIST ALL SUCH PERFORATED INTERVAL	S AND SACKS OF CE	rada Product	CION OFF OR SQUEEZE E	АСН		<u> </u>	<u>Yes</u>	
None								
PEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA NONE		DEPTH OF BOTTOM O	THIS AREA		DEPTH OF TO OIL DR GAS Z	P OF NEXT L ONE IN THIS	OWER S AREA	
ANTICIPATED DAILY MINIMUM	MAXIMUM	Dakota OPEN OR CLOS	4640'	ונאו פו	ECTION TO BE BY GRA	da 5638	APPROX. PRESS	URE (PSI)
(881.5.)	8000	Closed	1	PRESS	ressure		800	
ANSWER YES OR NO WHETHER THE FOL ERALIZED TO SUCH A DEGREE AS TO BE STOCK, IRRIGATION, OR OTHER GENERA	UNFIT FOR DOMEST	MIN- WATER	TO BE DISPOSED	OF NATUR	AL WATER IN DISPO- ONE	i	R ANALYSES ATT	ACHED?
NAME AND ADDRESS OF SURFACE OWNE	R (OR LESSEE, 1F ST	ATE OR FEDERAL LAN	ND)	Ye	<u> </u>	Yes Yes	<u>. </u>	
Bureau of Indian A	ffiars Wind	dow Rock, Ar	rizona					
LIST NAMES AND ADDRESSES OF ALL O								
Southern Union Sup	pry Company.	<u>Suite 1800</u>), First In	ternat			<u>ıllas, Tex</u>	<u>tas 75270</u>
					OFFFI	121		
				•	\ WTPTI	LD /		
	· · · · · · · · · · · · · · · · · · ·	···			1111 95	י ככ <u>חו</u>		
					JUL 25		1	
					OIL CON. C		<u></u>	
HAVE COPIES OF THIS APPLICATION BEI	N SURFACE OWNER	1	EACH OPER	HTIW ROTA			EXICO STATE EN	CINEER
	Yes		Yes	ILL		Yes		· · · · · · · · · · · · · · · · · · ·
ARE THE FOLLOWING ITEMS ATTACHED THIS APPLICATION (SEE RULE 701-B)	TO PLAT'OF AREA		ELECTRICA	LLOG			ATIC SKETCH OF	WELL
I horoby one	Yes		Yes			Yes		
1 nereby cer	ing that the infor	mation above is t	rue and comple	te to the	best of my knowle	dge and b	oelief.	
W. E. Dabyak	I.E.	Distri	ct Enginee	r		July	15, 1977	
(Signature)			(Title)				(Date)	
NOTE: Should waivers from the	State Engineer,	the surface ow	her, and all o	perators :	within one-half n	ile of the	proposed ini	ection well.

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.



Dome Petroleum Corp.

SUITE 1500, COLORADO STATE BANK BLDG.
1600 BROADWAY
DENVER, COLORADO 80202

TELEPHONE (303) 861-1230

July 14, 1977

Mr. Joe D. Ramey Secretary-Director New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Re: Application for Saltwater Disposal[®]
Snake Eyes Entrada Pool
Section 20, T20N, R8W
San Juan County, New Mexico

Gentlemen:

Dome Petroleum Corp., the operator of the currently producing wells in the Snake Eyes Entrada Pool, under terms of Commission Rule 701 respectfully submits this application to dispose of saltwater by injection into a porous formation for administrative approval. In support of this application are the following required data:

- 1. A plat showing all wells and leases within a 2 mile radius of the proposed disposal well
- 2. The log of the Santa Fe 20-2 proposed injection well
- 3. A diagrammatic sketch of the Santa Fe 20-2 well which is proposed for saltwater disposal
- 4. A copy of a water analysis performed on the Santa Fe 20-1 well which is representative of the water to be injected into the Morrison Formation
- 5. A copy of Form Cl08 detailing significant well data, offset operations and information distribution

Per instructions, three copies of this application are submitted hereto. In addition, by copy of this letter the New Mexico State Engineer, the Navajo Tribe (surface owner) and the offset operators within 1/2 mile are being notified of this application.

Mr. Joe D. Ramey New Mexico Oil Conservation Commission July 14, 1977 Page 2

It is Dome's understanding that the Secretary-Director, upon receiving no objection, within 15 days of receipt of this application can give administrative approval. We hope this application is in order and very much appreciate your cooperation in this matter.

Yours very truly,

W. E. Babyak

District Engineer

WEB:km Enclosures

c: Southern Union Supply Co. First International Bldg. Dallas, Texas 75270

> Bureau of Indian Affairs Windowrock, Arizona

New Mexico State Engineer State Land Office Building P. O. Box 2088 Santa Fe, New Mexico



CORE LABORATORIES, INC. Petroleum Reservoir Engineering

etroleum Reservoir Engineering DALLAS, TEXAS WATER ANALYSIS

RECEIVED

MAR 25 1977

Minerala Management Inc.

File_WA - 5

Company Dome Petrol	eum Corp.	_Well Name_Sante Fe 20	O No. 1 Samp	ole No. SS-2		
Formation		Depth	Sampled From			
Location Sec 20 T 21	N R 8W	_Field	County San Juan State N.M.			
Date Sampled 3-9-77	,	_Date_Analyzed_3-13-77	Engineer RGC			
Total Dissolved Solids 11	,114.5 mg/l	·	Sp	o. Gr. <u>1.009</u> (<u>a</u> _70°F.	
Resistivity 1.0 ohm-m	eters @ <u>70</u>	°F _P H 7.73	Hydrogen Su	lfide <u>Present</u>		
Constituents	meq/L	mg/L	Constituents	meq/L	mg/L	
Sodium	140.44	-		25.47	903.0	
Calcium	1.35	27.0	Bicarbonate	41.73	2546.0	
Magnesium	0.73	8.9		91.61	4400.0	
Iron	0.03	0.9	Carbonate	ND	ND*	
Barium	ND	ND_	Hydroxide		ND	
	ss than 0.1	us/T 2 0	5 10	15	20	

All analyses except iron determination performed on a filtered sample.

Scale: meq/L

