OIL CONSERVATION COMMISSION OUT DISTRICT

	11 2 77
OIL CONSERVATION COMMISSION	DATE //- 29-77
BOX 2088 SANTA FE, NEW MEXICO	RE: Proposed MC Proposed DHC Proposed NSL Proposed SWD Proposed WFX Proposed PMX
Gentlemen:	
I have examined the application dated	11-23-77
for the Dome Schraleum Corp. Jede Operator Lease and	well No. Unit, S-T-R
and my recommendations are as follows:	
(inprove)	
77	
	Yours very truly,

NEW MEXICO OIL CONSERVATION COMMISSION

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

	<u>-</u>			· · · · · · · · · · · · · · · · · · ·					
OPERATOR			ADDRESS						
Dome Petroleum Corp.				1600 Broadway, Denver, CO 80202					
Federal			3	Ojo End	ino			McKinley	
	<u>M</u> ; w	ELL IS LOC	ATED 930	FEET FR	OM THE SO	outh	NE AND	520 FEET FROM THE	
West Line, Section	21 то	WNSHIP		ANGE 5W	NMPK	۸.			
NAME OF STRING	SIZE	SETTIN		TUBING DAT		OP OF CEME	N.T.	TOP DETERMINED BY	
SURFACE CASING			0.021.711	THE RECEIVE				TOT DETERMINED BY	
	9 5/8"	204	,	200		Surface		Circulation	
INTERMEDIATE	9 3/0	200	*	200		Darrace		Officulation	
LONG STRING									
	5 1/2"	442	ı	1070		Surface		Circulation	
TUBING			NAME	, MODEL AND D	EPTH OF TUBIN	G PACKER			
	3 1/2"	3700	0	Baker Mod					
NAME OF PROPOSED INJECTION FORMATIO	N			TOP OF FORM				FORMATION	
Gallup	 			4	526		397	0	
15 INJECTION THROUGH TUBING, CASING, O	R ANNULUS?	PE	REFORATIONS OR C				TION		
Tubing IS THIS A NEW WELL DRILLED FOR DISPOSAL?	I F ANSWER IS	NO FOR V	Perforati	Ons	3750-39		HAS WELL	EVER BEEN PERFORATED IN ANY	
			a Test (su			· 	ZONE OTHE	R THAN THE PROPOSED IN IEC.	
NO LIST ALL SUCH PERFORATED INTERVALS .	AS All I	MENT USE	D TO SEAL OFF OF	SQUEEZE EACH	Ly dry)			110	
DEPTH OF BOTTOM OF DEEPEST		DEPTH OF	BOTTOM OF NEXT	HIGHER		DEPTH OF TOP	OF NEXT L	OWER	
FRESH WATER ZONE IN THIS AREA		DIL OR GA	None	REA		5970) I	AREA	
ANTICIPATED DAILY MINIMUM INJECTION VOLUME I	IMAXIMUM	OP	EN OR CLOSED TY	PE SYSTEM	IS INJECTION PRESSURE?	TO BE BY GRAV	ITY OR	APPROX. PRESSURE (PSI)	
1 3000	5000		Closed	Pressur		300			
ANSWER YES OR NO WHETHER THE FOLLO' ERALIZED TO SUCH A DEGREE AS TO BE U STOCK, IRRIGATION, OR OTHER GENERAL	WING WATERS AR	E MIN-	WATER TO B	E DISPOSED OF	NATURAL WA	TER IN DISPO-	ARE WATER	ANALYSES ATTACHED?	
			Yes	i			on disposed water		
NAME AND ADDRESS OF SURFACE OWNER	(OR LESSEE, IF	TATE OR F	EDERAL LAND)						
Bureau of Land Ma	anagement	, Sant	a Fe, New	Mexico					
							0750	•	
Mrs. Billie Robin	nson, P. (O. Box	1281	San	ta Fe, N	ew Mexico	8/50	1	
Culf Energy and l	Vinorale /	70 (II	c)	. ס) Drama	~ 115∩ x	Midland	, TX 79701	
Gulf Energy and !	Allierals (JQ. (<u>U</u>	, o , j	1. '	J. DIAWE	1 1150., 1	11013110	, IX ///OI	
		· · · · · ·		··· ··· · · · · · · · · · · · · · · ·		·			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWN	IER		EACH OPERAT	OR WITHIN ONE	-HALF MILE	THE NEW M	EXICO STATE ENGINEER	
	Yes			Y	es		Ye		
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF ARE.	Α	-	ELECTRICAL I	. O G		DIAGRAMMA	TIC SKETCH OF WELL	
	Yes			<u> </u>	es		Υe	:S	
	fy that the inf	ormation	above is true	and complete	to the best	of my knowle	edge and b	pelief.	
William & L	5.6. 1	/	D	. 4. 17			NT	mbor 11 1077	
· · · · · · · · · · · · · · · · · · ·	avzal.		Distric	t Engine	er		NOVE	mber 11, 1977	
(Signature)				(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.



Dome Petroleum Corp.

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

TELEPHONE (303) 861-1230

November 23, 1977

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

> Re: Application for Salt Water Disposal Ojo Encino Entrada Pool McKinely County, New Mexico

Gentlemen:

Dome Petroleum Corp., the operator of two producing wells in the Ojo Encino Entrada Pool, 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 of Township 20 North, Range 5 West, McKinley County, New Mexico depicting all wells in the area, their status, and lease ownership.
- 2. A Dual Induction Laterolog run on the open hole portion of the Federal #3 showing various geologic formation tops.
- 3. A diagrammatic sketch of the proposed injection well showing casing strings set, type tubing, packer fluid, perforations and top of cement.
- 4. Three copies of Commission Form C-108, Application to Dispose of Saltwater by Injection into a Porous Formation.
- 5. An analysis of produced Entrada water which is to be disposed.



Mr. Joe D. Ramey November 23, 1977 Page 2

Per instructions, a copy of this complete application is being sent to the offset lease owners, the surface owner, the New Mexico State Engineer, and the NMOCC Aztec Office.

We trust the aforementioned application is in order, however, if questions arise, please contact the undersigned collect at (303)-861-1230.

Yours very truly,

DOME PETROLEUM CORP.

William E. Babyak District Engineer

WEB:jag Attachments

cc: Mrs. Billie Robinson
Gulf Energy & Minerals
Bureau of Land Management
New Mexico State Engineer
NMOCC - Aztec Office

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794 Casper, Wyoming

WATER ANALYSIS REPORT

WELL NO	NO Federal 21 No. 1 Wildcat TY McKinley		DOCILIZON-	21-20N-5W cada	21-20N-5W da		
REMARKS & CO	NCLUSIONS:						
Cations Sodium Potassium	mg/1 3301 67	meq/1 143.61 1.72	Anions Sulfate	mg/1 5900 1070	mcq/1 122.72 30.17		
Lithium Calcium	238 6 ———————————————————————————————————	11.88 0.49 157.70	Bicarbonate Hydroxide Hydrogen sulfide Total A		157.70		
	lids, mg/1 mg/1	10726 7705 7.6	Specific resistance @ 68°I Observed Calculated	0.90	ohm-meters		

WATER ANALYSIS PATTERN



