SUBJECT: SALT WATER DISPOSAL WELL

THE APPLICATION OF ENERGY RESERVES GROUP FOR A SALT WATER DISPOSAL WELL

MAR 10 1980 OIL CON. COM. OIL DIST. 3

SWD219

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ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701 (C), Energy Reserves
Group made application to the New Mexico Oil Conservation Division
on February 15, 1980, for permission to complete for salt water
disposal its Gallegos Canyon, Unit Well No. 225 located in Unit G
of Section 17, Township 28 North, Range 12 West, NMPM, San Juan
County, New Mexico.

The Division Director finds:

- (1) That application has been duly filed under the provisions of Rule 701 (C) of the Division Rules and Regulations;
- (2) That satisfactory information has been provided that all offset operators and surface owners have been duly notified; and
- (3) That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 (C) will be met.
- (4) That no objections have been received within the waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Energy Reserves Group, is hereby authorized to complete its Gallegos Canyon Well No. 225 located in Unit G of Section 17, Township 28 North. Range 12 West, NMPM, in such a manner as to permit the injection of salt water for disposal purposes into the Mesaverde formation at approximately 3873 feet to approximately 4128 feet through 2 3/8" inch plastic lined tubing set in a packer located at approximately 3825 feet.

PROVIDED HOWEVER:

That prior to commencement of injection into said Gallegos Canyon Unit Well No. 225, Gallegos Canyon Unit Well No. 149 shall be repluged in such a manner that cement shall be placed at least 150 feet above and below the injection interval within the casing-formation annulus and a cement plug, at least 100 feet in length, shall be placed inside the casing immediately above the injection interval.

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That injection pressure shall not exceed 900 pounds per square inch as measured at the surface.

That the operator shall notify the supervisor of the Division's Aztec District Office before injection is commenced through said well;

That the operator shall immediately notify the Supervisor of the Division Aztec District Office of the failure of the tubing, casing, or packer in said well or the leakage of water from or around said well and shall take such steps as may be timely or necessary to correct such failure or leakage.

PROVIDED FURTHER: That jurisdiction of this cause is hereby retained by the Division for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Division may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operations in accordance with Rule 704 and 1120 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 3rd day of March, 1980.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JOE D. RAMEY Division Director

SEAL

Complete of the contract of th

OIL CONSERVATION COMMISSION DISTRICT

OIL CONSERVATION COMMISSION BOX 2088	DATE Sebruary 26, 1980
SANTA FE, NEW MEXICO	RE: Proposed MC
	Proposed DHC
	Proposed NSL
	Proposed SWD
	Proposed WFX
	Proposed PMX
Gentlemen:	
I have examined the application da	
for the Course Reserver Drong Sal	Cleyon Compon Unit 225 4-17-28-12
Operator Lease	e and Well No. Unit. S-T-R
	onit, 5-1-K
and my recommendations are as follows:	
agarore Galleger Com	- Unil # 149 F-17-28-12
must be reentered and only so	d from 1300' to 1800' mill
the princ Som 1549' - 180	
behand the single	a coment must be agreeged
payer:	
	Yours very truly,
	Frank 5. Lang

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR	· · · · · · · · · · · · · · · · · · ·		ADDRESS						
ENERGY RESERVES	GROUP, INC			OX 3280	CAS!	PER, W	YOMING 8	32602	
LEASE NAME WELL NO.			FIELD					COUNTY	
GALLEGOS CANYON	UNIT	225	BASIN	DAKOTA			SAN	JUAN	
LOCATION								30111	
UNIT LETTER	- G	ELL IS LOCATED	1620 FEET F	ROM THEN	IORTH .	INE AND	2030	_ FEET FROM THE	
EAST LINE, SECTION	1.7 10	WNSHIP 28N	RANGE 1.2	W	м. SAN JU	IAN COI	ии чти		
		CASING	AND TUBING DA		<u> </u>	<u> </u>	SHII, MII		
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEME	NT .	TOP OF CEME	NT	TOP DETE	RMINED BY	
SURFACE CASING									
	8-5/8"	351'	215	S	urface		Circulate	d	
INTERMEDIATE									
						ŀ			
LONG STRING									
	4-1/2"	6108'	1400	S ¹	urface	10	Circulate	d	
TUBING			NAME, MODEL AND	ME, MODEL AND DEPTH OF TUBING PACKER					
NAME OF PROPOSED INJECTION FORMA	TION		TOP OF FORM	MATION .		BOTTOM	OF FORMATION		
MESA VERDE			2965			415	50 '		
	G, OR ANNULUS?	1	S OR OPEN HOLE? PI	ROPOSED INTER	TVAL(S) OF INJE	CTION			
TUBING		PERFORA	TIONS 3	<u> 3873-395</u> (0, 4060-4				
IS THIS A NEW WELL DRILLED FOR DISPOSAL?		NO, FOR WHAT PURPO	ISE WAS WELL ORIGIN	ALLY DRILLED	1.7	HAS WELL ZCNE OTH TION ZON	EVER BEEN PE	RFORATED IN ANY	
NO	DAKOTA	PRODUCTION			·	110N 20N	YES_		
DAKOTA 6002'-10'	, 60221-321	, 5920'-34'	Plugged w/4()sx 5700	<u>'-6075' ε</u>	5sx S	urface -	50'	
FRESH WATER ZONE IN THIS AREA	1001	OIL OR GAS ZONE IN	THIS AREA		DEPTH OF TOP	OF NEXT I	LOWER 5 AREA		
ANTICIPATED DAILY MINIMUM	100'	OPEN OR CLOS	1600 TED TYPE SYSTEM	T.4 15.522.2			5500'		
(BBLS.) . 200	1			PRESSURE?	N TO BE BY GRAV	/ITY OR	APPROX. PRES	SURE (PSI)	
ANSWER YES OR NO WHETHER THE FOLE FRALIZED TO SUCH A DEGREE AS TO BE	700	E MIN- WATER	Open	Pres	SSUPE		500		
ERALIZED TO SUCH A DEGREE AS TO BE Stock, irrigation, or other genera	: UNFIT FOR DOMES L USE _	_		SAL ZONE		ARE WAIE	H ANALYSES AT	TACHED?	
NAME AND ADDRESS OF SURFACE OWNE	R (OR LESSEE, IF S	TATE OR FEDERAL LAN	ES (b)		YES		YES		
NAVAJO TRIBAL									
LIST NAMES AND ADDRESSES OF ALL O	PERATORS WITHIN C	NE-HALF () MILE OF	THIS INJECTION WEL						
AMOCO PRODUCTION	COMPANY -	SECURITY LIE	P DIITI DING	DEMUED	COLODADO	0000			
	001111111	SHOOKIII HIII	r northorne -	DENVER	COLORADO	8020	2		
SUN OIL COMPANY -	BOX 35567	- TULSA, OKI	Г.АНОМА 74135						
			<u> </u>						
									
							- Jan 1971		
						المهم	-		
MAVE COPIES OF THIS APPLICATION BE SENT TO EACH OF THE FOLLOWING?	SURFACE OWN	ER	EACH OPERAT	OR WITHIN ONE	HALF MILE	2	Tille	27	
		/ES	1	YES				D /	
RE THE FOLLOWING ITEMS ATTACHED HIS APPLICATION (SEE RULE 701-B)	TO PLAT OF AREA		ELECTRICAL L	.06		DIAGRAM	IC STOREH OF	WELL	
		'ES		YES		1,	YES a 2 1	1380	
I hereby cer	tify that the info	ormation above is t	rue and complete	to the best	of my knowle	dge ind l	FEB CON.	COM.	
Prutia 1 M	100 ()-1-				<u>.</u>		" CON.	~ /	
curus J. M.	ac July	W	roduction En	gineer			Phruens T	15. 1980	
(Siknature)		7	(Title)				(Date)		
OTE: Should waivers from the su	rface owner and o	all operators within	one-half mile of th	ie proposed in	niection well n	ot accomp	any this angli-	ation the N	

ME: Should valvers 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 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.