Form C-108 Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR			ADDRESS					
Shell Oil Company				Western Division, Midland, Texas, Box 1509				
LEASE NAME		WELL NO.	FIELD	LI DIVI	sion, mula	ira It	COUNTY	
North Antelope Ridge Unit		1	North	North Antelope Ridge Uni			Lea	
UNIT LETTER	22	ELL IS LOCATED 19		. m	North L	NE AND	1980 FEET FROM THE	
			AND TUBING D					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEN	MENT	TOP OF CEME	NT	TOP DETERMINED BY	
94# H-40	20''	360'	650 s		Surface		Circulated	
72#,68#,61# J-55&N-80	13-3/8"	5004'	1850 sx Li +40 sx Cla	ı	e 2815"		Temp. Survey	
Cut and Pulled	9-5/8"		NAME, MODEL AND	DEBTU 05 7	IUBING PACKER			
EUE	3-1/2"	4950'						
NAME OF PROPOSED INJECTION FORMA	4930	Baker Model "R" @ 4950'		<u>@ 4900</u>	BOTTOM OF FORMATION			
Delaware Mountain Sand				5018		6500'		
IS INJECTION THROUGH TUBING, CASIN	G, OR ANNULUS?	PERFORATIONS	OR OPEN HOLE?	PROPOSED I	NTERVAL(S) OF INJE	CTION		
Tubing	IF ANSWED IS	Open	Hole SE WAS WELL OR	5018	8-6500'	1 1145 1151	- FVED BEEN BERNER	
IS THIS A NEW WELL DRILLED FOR DISPOSAL?					LED?	ZONE OT	L EVER BEEN PERFORATED IN ANY HER THAN THE PROPOSED INJEC- NE?	
NO LIST ALL SUCH PERFORATED INTERVAL	Devon	ian Completic	OFF OR SQUEEZE E.	АСН		L	Yes	
Atoka 12,002-12,136'	Cement Reta	ainer and 205	5 sx Class	"B" Res	gular			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA		DEPTH OF BOTTOM OF	NEXT HIGHER		DEPTH OF TOP	OF NEXT	LOWER IS AREA	
gallala approx 200'			None		Bone Sprin			
ANTICIPATED DAILY MINIMUM INJECTION VOLUME (BBLS.)	MAXIMUM		ED TYPE SYSTEM	PRESSUR		VITY OR	APPROX. PRESSURE (PSI)	
1200 1000 ANSWER YES OR NO WHETHER THE FOL	1 3600 LOWING WATERS AR	E MIN- WATER	osed	OF NATURAL	Gravity	ARE WAT	ER ANALYSES ATTACHED?	
ERALIZED TO SUCH A DEGREE AS TO B STOCK, IRRIGATION, OR OTHER GENERA	E UNFIT FOR DOMES	TIC,	Yes	SAL ZON	Yes		No	
NAME AND ADDRESS OF SURFACE OWNE	ER (OR LESSEE, IF S	TATE OR FEDERAL LAN			163	<u> </u>	NO	
L.B.M. Cattle Compar	ny, Box 1220	O. Carlsbad.	New Mexico)				
LIST NAMES AND ADDRESSES OF ALL	PERATORS WITHIN	ONE-HALF $(\frac{1}{2})$ MILE OF	THIS INJECTION W	/ELL				
None							56 Cor 24 AH (
<u> </u>								
HAVE COPIES OF THIS APPLICATION BE	EN SURFACE OWN	IER	EACH OPER	ATOR WITHIN	ONE-HALF MILE	THE NEW	MEXICO STATE ENGINEER	
SENT TO EACH OF THE FOLLOWING?	<u> </u>	Yes	OF THIS W	Nor	16) 	Yes	
ARE THE FOLLOWING ITEMS ATTACHED THIS APPLICATION (SEE RULE 701-B)	TO PLAT OF AREA		ELECTRICA			DIAGRAM	MATIC SKETCH OF WELL	
		Yes	<u> </u>	Yes	s	l <u>L</u>	Yes	
I hereby ce	ertify that the inf	ormation above is	true and comple	ete to the b	est of my knowl	edge and	i belief.	
Il Shee	Oer -	******	D 1	3.5.				
Xa Conte	~	DIVISION	Production	ı manage	er			

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.



A DIVISION P 4 SOX 1409 MIDLAND, TEXAS 79701

September 16, 1965

Re: Disposal of Salt Water into North Antelope Ridge Unit No. 1 $NW/\sqrt{}$ of NE/4 Section 22, T-23-S R-34-E, Lea County, New Mexico

L.B.M. Cattle Company P. O. Box 1270 Carlsbad, New Mexico

Gentlemen:

Shell Oil Company i tage says to inject the produced water from the Atoka, Morrow and Devonian mones in the Antelone Ridge Unit into the Delaware Mountain sand in the North Antelope Mage Unit well so. 1. The well is located in the SW/4 of the NE/4 of Section 22, T-23-S, R-34-2, Lea County, New Mexico.

The subject well was originally drilled as a Devonian test by Shell bur was abandoned as a dry hole after testing the Atoka. Shell would convert the well to facilitate injection into the open hole interval from 5018-6500 feet.

For your information you will find attached a copy of the NMOCC Form C-108, a plat of the area and a schematic drawing of the subjec'. well.

If the proposed installation meets your approval, please return one copy of the attached waiver to this office. This waiver will be attached to the MMOCC Form C-108 at the time formal application is made. Should additional information be required, please contact W. T. Ouzts of our staff.

Yours very truly,

For: J. E. R. Sheeler

Division Production Manager

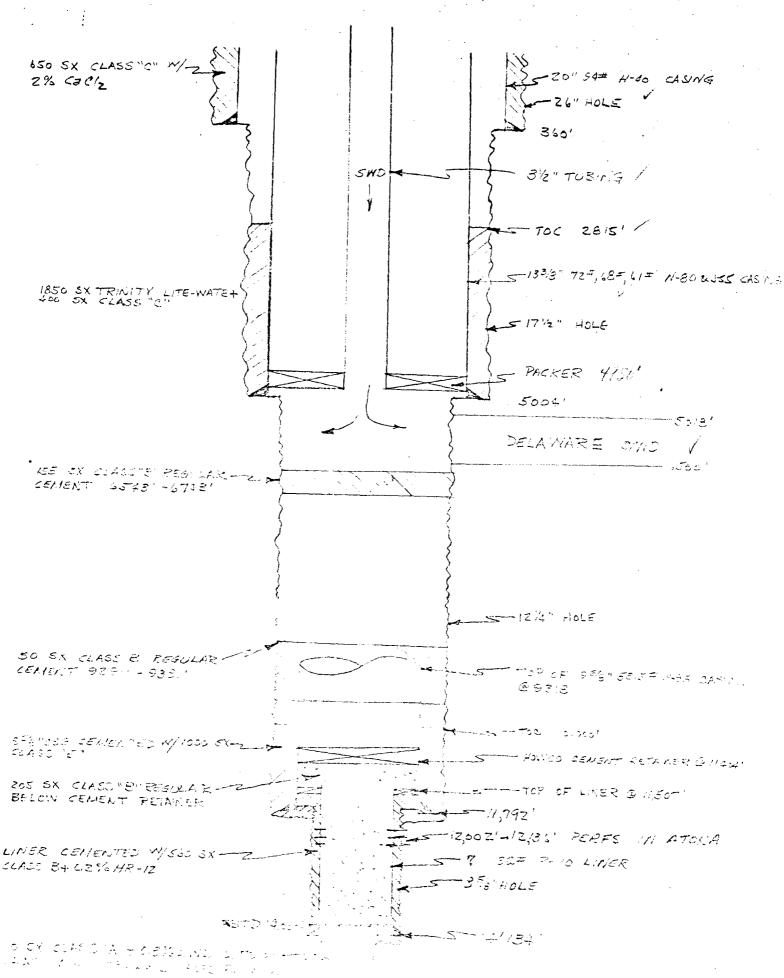
WTO:C

Attachments

We, L.D.M. Cattle Compan have no objection to use of the subject well for salt water disposal as outstand above.

Name and Title Page Date Page

NORTH ANTELOPE RIDGE DANT +1 NORTH ANTELOPE RIDGE AREA SHELL OIL COMPANY





STATE OF NEW MEXICO

STATE ENGINEER OFFICE SANTA FE

S. E. REYNOLDS STATE ENGINEER

October 11, 1966

ADDRESS CORRESPONDENCE TO: STATE CAPITOL SANTA FE, NEW MEXICO 87501

Mr. A. L. Porter, Jr. Secretary-Director Oil Conservation Commission Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Shell Oil Company dated September 16, 1956 which seeks administrative approval to convert their North Antelope Ridge Unit No. 1 located in Unit G of Sec. 22, T. 23 S., R. 34 E., to salt water disposal well.

This office offers no objection to the granting of the application, provided the well is completed in the manner shown by the diagrammatic sketch which accompanied the application.

FEI/ma
cc-Shell Oil Co.
P. O. Box 1509
Midland, Texas 79701

F. H. Hennighausen

Yours truly,

S. E. Reynolds State Engineer

Frank E. Irby

Chief

Water Rights Div.

OIL CONSERVATION COMMISSION

1 DISTRICT

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Re:

OIL CONSERVATION COMMISSION BOX 871	DATE_	Nov. 8, 1966
SANTA FE, NEW MEXICO	Re:	Proposed NSP Proposed Triple Proposed NSL Proposed NFO Proposed DC
Gentlemen:		SWD <u>X</u>
I have examined the application dated	11/	/7/66
for the Shell Oil Co. North Antelope Ridge Tr Operator Lease and We and my recommendations are as follows: O.KE.F.E. O.KJ.W.R.		22-23-34 S-T-R
Yours very	truly,	

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE