NEW MEXICO OIL CONSERVATION COMMISSION

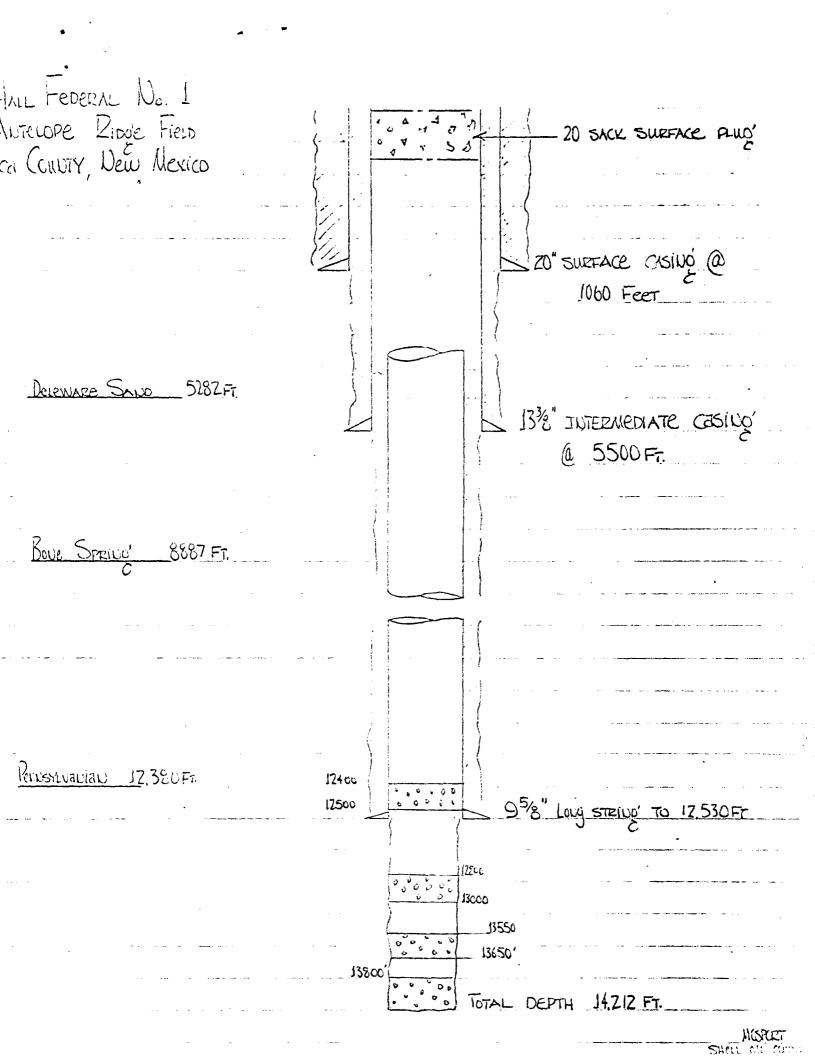
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR	···		LABORECC			·		
			ADDRESS	H00 W410	J			
Shell Oil Company	WELL NO.	FIELD	Box 🖽 09, Midla	Ind, lexas				
Hall Federal	1	Antelo	pe Kidge		Lea			
LOCATION				Po 112-80				
UNIT LETTER	b	ELL IS LOCATED	660 FEET FF	OM THE <u>north</u>	_ LINE AND	1980 FEET FROM THE		
east Line, section) то	WNSHIP 248	RANGE 34	<u>ммрм.</u>	<u> </u>			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEME		MENT	TOP DETERMINED BY		
SURFACE CASING	·	T						
	20"	1060'	1785	Surface				
INTERMEDIATE		1 200	1,05	Burrace		····		
	13_3/8"	5500¹	3293	Surface	1			
LONG STRING		3333	V=23	Dariace				
	9 5/8"	12,530'	3200	4800		Temperature Survey		
TÚBING	7 7/0			EPTH OF TUBING PACKER		Tomporator Dar voy		
None			None					
NAME OF PROPOSED INJECTION FORMAT	TION		TOP OF FORM	ATION	воттом	OF FORMATION		
Delaware Sand			5200			800		
IS INJECTION THROUGH TUBING, CASING	OR ANNULUS?	PERFORATIONS	OR OPEN HOLE? PR	OPOSED INTERVAL(S) OF I	NJECTION			
Tubing	Tie wewe	Perfora		5200 - 5 30 0 an				
IS THIS A NEW WELL DRILLED FOR DISPOSAL?	1		R WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?			HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJEC- TION ZONE?		
NO		roducer	DEE OR SQUEEZE FACI		<u> </u>	No		
			or a doctor by	•				
DEPTH OF BOTTOM OF DEEPEST		DEPTH OF BOTTOM OF	NEXT HIGHER	DEBTH OF	TOP OF NEXT	LOWER		
FRESH WATER ZONE IN THIS AREA		OIL OR GAS ZONE IN	THIS AREA		S ZONE IN TH			
- 1000 ft.	IMAXIMUM	OPEN OR CLOS	ED TYPE SYSTEM	IS INJECTION TO BE BY G	RAVITY OR	APPROX. PRESSURE (PSI)		
INJECTION VOLUME !	1000	Close	_	PRESSURE?				
1000 500 ANSWER YES OR NO WHETHER THE FOLI	OWING WATERS AR	E MIN- WATER	TO BE DISPOSED OF		O- ARE WAT	1000 psi (max)		
ERALIZED TO SUCH A DEGREE AS TO BE STOCK, IRRIGATION, OR OTHER GENERA	Tic,	Dev. and Penn.			yes			
NAME AND ADDRESS OF SURFACE OWNE	R (OR LESSEE, IF				yes			
Rubert Madera Bos	r 1224 . Jal	New Mexico						
Rubert Madera, Box	PERATORS WITHIN	ONE-HALF (1/2) MILE OF	THIS INJECTION WEL	L				
Shell Oil Company	- Antelope	Ridge Unit						
						····		
	·····				·			
	T-:				 			
HAVE COPIES OF THIS APPLICATION BE SENT TO EACH OF THE FOLLOWING?	EN SURFACE OW!	1ER	PEACH OPERAT	OR WITHIN ONE-HALF MILE L	THE NEW	MEXICO STATE ENGINEER		
ARE THE FOLLOWING ITEMS ATTACHED	TO PLAT OF ARE	Δ	ELECTRICAL	1.06	DIACRAS	X MATIC SKETCH OF WELL		
THE APPLICATION (SEE RULE 701-B)	!	•	1)			
	X			vailable		X		
I hereby cer	rtify that the inf	formation above is	true and complete	to the best of my kno	wledge and	l belief.		

R. J. Danes	Division Mechanical Engineer	July 26, 1966
(Signature)	(Title)	(Date)

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.



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



SHELL OIL COMPANY

WESTERN DIVISION
P. O. BOX 1509
MIDLAND, TEXAS 79701

July 20, 1966

Subject: Disposal of produced water into

Hall Federal No. 1, Antelope Ridge Field, Lea County, New

Mexico.

Mr. John Anderson Regional Supervisor United States Geological Survey Roswell, New Mexico

Dear Sir:

Shell Oil Company is presently in the process of engineering a salt water disposal system to dispose Devonian and Pennsylvanian produced water into the Hall Federal No. 1, Antelope Ridge Field, Section 9, Township 24S, Range 34E, Les County, New Mexico.

The subject disposal well was originally drilled as a Pennsylvanian producer by Shell, but was temporarily abandoned as a dry hole. Shell would like to re-enter and test two (2) possible disposal zones in the Delaware Sand group, and if tests prove successful, install a disposal system to handle produced water from our Antelope Ridge Unit.

For your information you will find attached a copy of Shell's application for sub-surface disposal, as well as a plat of the area and schematic drawing of the subject well.

Should further information be necessary, please contact Mr. M. C. Sport, Production Department Staff.

Yours very truly,

ORIGINAL SERVED By J. E. R. SERVED

J. E. R. Sheeler Division Production Manager

MCS:mas Attachments (3)

cc with Attachments:

New Mexico State Engineer

New Mexico Oil Conservation Commission

Santa Fe, New Mexico



SHELL OIL COMPANY

WESTERN DIVISION
P. O. BOX 1509
MIDLAND, TEXAS 79701

9 Jul.

July 26, 1966

Subject: Disposal of Produced Water

Into Hall Federal No. 1,
Antelope Ridge Field,
Lea County, New Mexico

LAN C

OS Aug 🔻 🗀

Mr. J. E. Kapteina New Mexico Oil Conservation Commission Santa Fe, New Mexico

Dear Sir:

As per your letter of July 22, you will find attached the supplemental material you requested concerning the subject disposal well.

If we can be of further assistance in your investigation please adivse us at your convenience.

Yours very truly,

J. E. R. Sheeler

Division Production Manager

Attachments (4)



SHELL OIL COMPANY

WESTERN DIVISION P. O. BOX 1509 MIDLAND, TEXAS 79701 August 4, 1966

SWD-60 Londay 19

New Mexico Oil Conservation Commission Santa Fe, New Mexico

Attention: Mr. J. E. Kapteina

Gentlemen:

Attached are additional copies of information required for application of Form C-108 on Hall Federal No. 1, Antelope Ridge Field, Lea County, New Mexico.

Yours very truly,

Division Production Manager

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TS AUG 6 1 11

Attachments

WTO:CW

OIL CONSERVATION COMMISSION		DATE_	Aug.	15, 19	66
BOX 871 SANTA FE, NEW MEXICO		Re:	Proposed Proposed Proposed Proposed Proposed	Triple NSL_ NFO	9
Gentlemen:				SWD	X
I have examined the applicati	on dated	8/9	9/66	······································	
for the Shell Oil Co. Hall Feder Operator	al #1		9-24-34		
Operator 1	ease and Well	No.		S-T-R	
and my recommendations are as foll	ows:				
O.KE.F.E.					
0.KJ.W.R.					
	Yours very t	ruly,	THE STATE OF THE S		2 ++ 200/c acc appet 17 7 7 2 de 1922 Abresse
The state of the s		`.	OTES TO A DE COMPANY CONCESSOR		



STATE OF NEW MEXICO

STATE ENGINEER OFFICE SANTA FE

S. E. REYNOLDS STATE ENGINEER

September 8, 1966

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

Mr. A. L. Porter, Jr. Secretary-Director Oil Conservation Commission Santa Fe, N. M.

Dear Mr. Porter:

°66 Sep 9 Am 8 06

Mally Options

Reference is made to the application of Shell Oil Company which seeks to dispose of produced water into their Federal Hall No. 1 in the NE of Sec. 9, T. 24 S., R. 34 E.

After reviewing the application and the exhibits attached thereto, I find no reason to object to the granting of this application.

FEI/ma

cc-J. E. R. Sheeler

F. H. Hennighausen

Yours truly,

S. E. Reynolds State Engineer

Frank E. Irby

Chief

Water Rights Div.