

THE PURE OIL COMPANY

SOUTHERN PRODUCING DIVISION • MIDLAND DISTRICT OPERATIONS
P. O. BOX 671 • MIDLAND, TEXAS • AREA CODE 915-MU 2-3725

April 29, 1965

New Mexico Oil Conservation Commission P. O. Box 1980 Hobbs, New Mexico

Gentlemen:

Attached please find Form C-108, Application To Dispose Of Salt Water Into A Porous Formation.

The proposal is to dispose of produced water from the West Crossroads Devonian Field, Lea County, New Mexico, into The Pure Oil Company's State Lea "H", Well No. 1, a Devonian dry hole in the same field.

Yours very truly

D. K. Spradlin, Petroleum Engineer

DKS:sa Attach.

cc: New Mexico State Engineer
P. O. Box 1079
Santa Fe, New Mexico

Mr. U. D. Sawyer Crossroads, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR				ADDRESS	70	673 M 33.				
The Pure Oil Company				P. O.	P. O. Box 671, Midland, Texas					
State - Lea "H"			#1	West	West Crossroads Devon					
	ETTER	<u>L</u> ; w	ELL IS LOCATED	920 _{FEET}	FROM THE _	South	INE AND	660	EET FROM THE	
West Line,	SECTION 3	2 10	NNSHIP 955	RANGE 36	E	NMPM.				
		SIZE		AND TUBING D					1	
NAME OF STRIN	16	51ZE	SETTING DEPTH	SACKS CEN	ENI	TOP OF CEMENT		TOP DETERM	INED BY	
	1	1-3/4"	365'	500)	Surface				
INTERMEDIATE *		8-5/8"	4099 '	1000)	3001		Temperatu	re Surv	
LONG STRING **		4-1/2"	12068(Est)	375	(Est) 11000(1	Est)			
TUBING				NAME, MODEL AND	DEPTH OF	BING PACKER	1			
NAME OF PROPOSED INJECT	TION FORMATION	l .		TOP OF FO	RMATION		BOTTO	M OF FORMATION		
Devonian					12,058'		Unknown			
Casing				Open Hole 12		068 - 12,300				
IS THIS A NEW WELL DRIL DISPOSAL?	LED FOR	IF ANSWER IS	NO, FOR WHAT PURPOS		INALLY DRIL	LED?	ZONE	ELL EVER BEEN PERF OTHER THAN THE PRO	ORATED IN ANY	
			an Producer-(Dry Hole)				TION Z	NO NO		
CIST ACE SECH PERFORATE	- D , M / EN (AL) A.	ND SACKS OF CO	INLEY OSED TO SEAL O	OFF OR SUBELLE E						
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA			DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 9855			DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA UNKNOWN				
ANTICIPATED DAILY TMIN INJECTION VOLUME ! (BBLS.)	1MUM LOOO	1 4000	OPEN OR CLOS	ED TYPE SYSTEM	PRESSU	Gravity	VITY OR	APPROX. PRESSU	JRE (PSI)	
NSWER YES OR NO WHETHER THE FOLLOWING WATERS AR RALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMES'		E MIN- WATER TO BE DISPOS		OF NATURA			ARE WATER ANALYSES ATTACHED?			
STOCK, IRRIGATION, OR OTHER GENERAL USE			I STATE OR FEDERAL LAN	Yes		Yes		Yes		
			ssroads, N)					
LIST NAMES AND ADDRESS	ES OF ALL OPER	ATORS WITHIN	ONE-HALF (1) MILE OF	THIS INJECTION W	ELL					
W. K. Byr	com, 100	00 N. Da	l Paso, Ho	bbs, New	Mexic	0				
								·		
										
HAVE COPIES OF THIS APP	LICATION BEEN	SURFACE OWN	IER	EACH OPER	ATOR WITHI	N ONE-HALF MILE	T _{THE NE}	W MEXICO STATE EN	GINEER .	
SENT TO EACH OF THE FOL	LOWING?	Ye	es s	OF THIS W	Yes		1	Yes		
ARE THE FOLLOWING ITEM: THIS APPLICATION (SEE RE	S ATTACHED TO JLE 701+B)	PLAT OF AREA		ELECTRICA			DIAGRA	MMATIC SKETCH OF	WELL	
	horaby sattic	Ye		tene and someti	Yes	aget of my lynami	edan ::	Yes nd belief		
$= f \cdot V \stackrel{i}{\sim} i$	nereby certify	y inai the inf	ormation above is	_		•			065	
(Signature)					leum Engineer		AŢ	April 28, 1965 (Date)		
		24-4- F						 		
NOTE: Should waiver	s from the S	tate Engine	er, tne surjace ou	vner, and all c	perators i	cunin one-half	тие ој	the proposed in	ection well.	

IOTE: 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.

* Casing strings left in hole at time of abandonment.

** Casing String proposed to be run.

WATER ANALYSIS

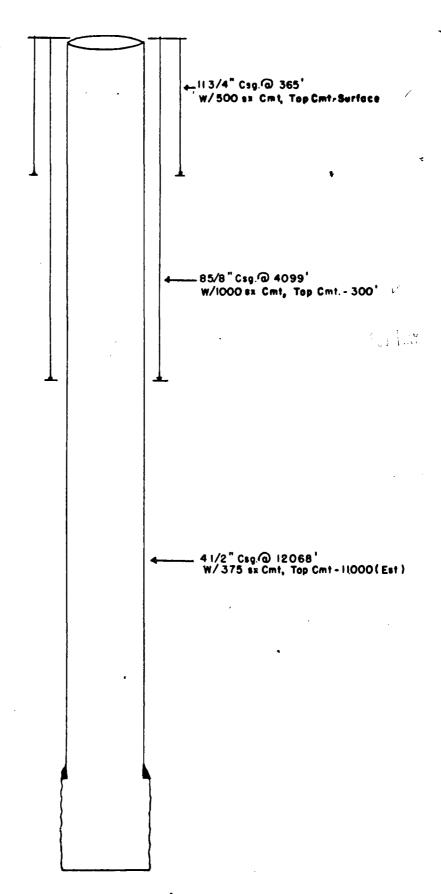
WEST CROSSROADS DEVONIAN - PRODUCED WATER

LEA COUNTY, NEW MEXICO

	<u>PPM</u>	EPM
Calcium	2,120 380	106 28
Magnesium Sodium	18,175	782
Iron		
Hydrogen Sulfide		
Chloride	30, 800	869
Sulfate	1,800	38
Bicarbonate	535	9
Carbonate		
Hydroxide	- -	

Specific Gravity - 1.038 @ 80° F. PH - 7.3

THE PURE OIL CO. STATE-LEA "H" NO. I DIAGRAMATIC SKETCH OF PROPOSED INJECTION WELL



T.D. 12.300

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

May 3, 1965

Mr. D. K. Spradlin Petroleum Engineer The Pure Oil Company P. O. Box 671 Midland, Texas

Dear Mr. Spradlin:

By copy of this letter, the Oil Conservation Commission is advised that I object to the granting of your application to dispose of salt water into your State Lea "H" Well No. 1 for the reason that Rules 701-C and 701-B have not been complied with.

Yours truly,

S. E. Reynolds State Engineer

FEI/ma cc-Oil Conservation Comm.

By:
Frank E. Irby
Chief
Water Rights Div.