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LAND OFFICE	
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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-4118	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	
DRILL <input type="checkbox"/>	DEEPEN <input checked="" type="checkbox"/>
b. Type of Well	
OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>
OTHER Salt Water Disposal <input checked="" type="checkbox"/>	
2. Name of Operator	
SOHIO PETROLEUM COMPANY	
3. Address of Operator	
P. O. Box 3167, Midland, Texas 79701	
4. Location of Well	
UNIT LETTER M	LOCATED 330 FEET FROM THE South LINE
AND 330 FEET FROM THE West	LINE OF SEC. 31 TWP. 17S RGE. 34E NMPM
19. Proposed Depth	
* 4995	
19A. Formation	
San Andres	
20. Rotary or C.T.	
Rotary	
21. Elevations (Show whether DF, RT, etc.)	
4097 G.L.	
21A. Kind & Status Plug. Bond	
\$10,000 Blanket	
21B. Drilling Contractor	
Cactus Drilling Corp.	
22. Approx. Date Work will start	
November 27, 1969	

7. Unit Agreement Name
8. Farm or Lease Name
Phillips Lea
9. Well No.
4 (SWD)
10. Field and Pool, or Wildcat
Vacuum Grayburg San Andre
12. County
Lea

PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
Current 11"	8 5/8	24#	319	132 Sacks	Circulated
Proposed 7 7/8"	4 1/2	15.1	4920	150 Sks 4% Incor	
				& 150 Sks. Incor	3230

It is proposed to re-enter this P & A well which was drilled as a Queen test to a TD of 4122' and P & A as dry. It is proposed to drill out cement plugs and deepen to a TD of 4995'. (*Depth limited as Sohio rights extend only to 5000'). It is proposed to set 4 1/2" casing @ 4920' (-813'). This is 113' below the estimated oil-water contact in the San Andres. It is proposed to inject produced water from the San Andres producing wells into the open hole interval from 4920' to 4995' (-813 to -888). Injection is proposed thru 2 3/8" OD tubing (PVC lined) with a tension packer set at approximately 4880'. Well currently has 8 5/8" set at 319' with 132 sacks and cement was circulated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that information above is true and complete to the best of my knowledge and belief.

Signed A. K. Hood Tule District Superintendent Date October 21, 1969

(This space for State Use)

APPROVED BY [Signature] TITLE DATE 1969

CONDITIONS OF APPROVAL, IF ANY: