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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" FORM C-101 FOR SUCH PROPOSALS.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Unit Agreement Name
2. Name of Operator <b>SOHIO PETROLEUM COMPANY</b>	8. Farm or Lease Name <b>Walden "A"</b>
3. Address of Operator <b>P. O. Box 3000, Midland, TX 79701</b>	9. Well No. <b>4</b>
4. Location of Well UNIT LETTER <b>E</b> <b>1830</b> FEET FROM THE <b>North</b> LINE AND <b>660</b> FEET FROM THE <b>West</b> LINE, SECTION <b>15</b> TOWNSHIP <b>22S</b> RANGE <b>37E</b> NMPM.	10. Field and Pool, or Wildcat <b>South Hare</b>
11. Elevation (Show whether DT, RT, GR, etc.) <b>3408 DF</b>	12. County <b>Lea</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> <b>Plug back</b>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Set cast iron bridge plug at 7700' and dumped 30' of cement on top of plug. Perforated the McKee formation with 12 28 gram strip gun shots 7348-7360', EL, 7345.5-7357.5 GRN. Set packer at 7249' with tailpipe at 7352'. Spotted 2 barrels acid across perforations. Set packer at 6995' and broke McKee perforations at 3500 psi. Acidized with 3000 gallons 15% NE acid with 2 gallons per 1000 gallon BJ C15 inhibitor, 167# per 1000 gallon potassium chloride and 2 gallon per 1000 gallon BJ-G10 suspending agent. Set blanking plug in profile nipple at 7290'. Cemented casing from 4222-4800' with 300 sacks Halliburton lite cement and 100 sacks Class C with .4% Halad 22 and 2 percent CaCl. Good returns while cementing. Ran temperature survey, found top at 2760' and TD at 4091'. Pressure tested casing to 500#, OK. Drilled out cement. Pressure test to 500 psi, bled to 300 psi in 30 minutes. Found leaks between 4234-4806'. Cemented interval with 200 sacks Class "C" cement containing 2% CaCl, 5# salt, and .4% Halad 22A. Drilled cement from 4063-4856'. Ran tubing, rods and pump. Placed on pump. Test: 11 barrels oil, no water, in 24 hours.

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

SIGNED J.H. Walters J.H. Walters TITLE District Superintendent DATE 12/04/75  
Midland District

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

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

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name <b>Walden "A"</b>	
2. Name of Operator <b>SOHIO PETROLEUM COMPANY</b>		9. Well No. <b>4</b>	
3. Address of Operator <b>P. O. Box 3000, Midland, Texas 79701</b>		10. Field and Pool, or Wildcat <b>South Ears</b>	
4. Location of Well UNIT LETTER <b>E</b> LOCATED <b>1830</b> FEET FROM THE <b>North</b> LINE <b>660</b> FEET FROM THE <b>West</b> LINE OF SEC. <b>15</b> TWP. <b>22S</b> RGE. <b>37E</b> NMPM		12. County <b>Lea</b>	
21. Elevations (Show whether DF, RT, etc.) <b>3400 GR</b>		20. Rotary or C.T. <b>Blanket</b>	
21A. Kind & Status Plug. Bond <b>Blanket</b>		21B. Drilling Contractor <b>DA&amp;S</b>	
22. Approx. Date Work will start			

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

This well has been temporarily abandoned in the Ellenburger since June, 1961. An unsuccessful attempt to restore production was made in April, 1969. We plan to recement the casing from 3100' through the Queen Sand pursuant to Commission Order R-5003. Propose to set CI Bridge Plug @ 7700' with 30' of cement on top of plug, perf interval 7348 - 7300' with 12 shots and acidize with 3000 gallons 15% NE acid.

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 the information above is true and complete to the best of my knowledge and belief.

Signed J. H. Walters Title District Superintendent Date 10/28/75  
Midland District

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: