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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.
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## 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 R. L. Brunson	
2. Name of Operator Atlantic Richfield Company		9. Well No. 4	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Hare Simpson	
4. Location of Well UNIT LETTER <u>O</u> LOCATED <u>554</u> FEET FROM THE <u>South</u> LINE AND <u>2086</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>4</u> TWP. <u>22S</u> RGE. <u>37E</u> NMPM		12. County Lea	
19. Proposed Depth		19A. Formation Drinkard	
21. Elevations (Show whether DF, RT, etc.) 3423' GL		22. Approx. Date Work will start 8/11/75	

## PROPOSED CASING AND CEMENT PROGRAM

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

TD 7872', PBD 7588'. Present Hare Simpson perms are 7340-50', 7373-90'. (Form C-103 submitted separately to P&A Hare Simpson perms). Propose to recomple to the Drinkard zone in the following manner:

1. Run cmt bond log, cmt squeeze above & below zone of interest 6300-6472' if necessary.
2. Perf Drinkard w/1 - 0.43" JS ea @ 6320, 30, 40, 60, 72, 82, 90, 6400, 6405, 17, 23, 32, 43, 50, 63, 72 (16 holes).
3. GIH w/tbg, RBP & pkr. Set RBP @ 6550' & pkr @ 6200'.
4. Acidize perms 6320-6472' w/2000 gals 15% NE acid w/iron sequestering agent.
5. Frac perms 6320-6472' w/40,000 gals gelled brine & 60,000# 20/40 sd in 2 equal stages. Flush w/slick brine.
6. Swab test, POH w/pkr, RBP.
7. RIH w/completion assembly. Test for completion in Drinkard zone.

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.

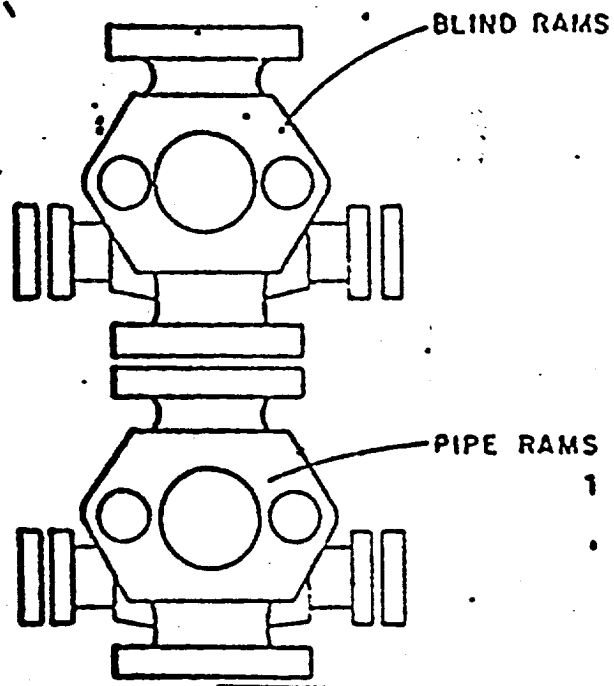
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title Dist. Drlg. Supv. Date 7/28/75

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 7/28/75

CONDITIONS OF APPROVAL, IF ANY:



ATLANTIC RICHFIELD COMPANY  
Blow Out Preventer Program

Lease Name R. L. Brunson

Well No. 4

Location 554' FSL & 2086' FEL  
Sec 4, T22S, R37E, Lea Co.

BOP to be tested before installed on well and will be maintained in good working condition during workover. All wellhead fittings to be of sufficient pressure to operate in a safe manner.