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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.  
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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name -----
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name O'Brien
2. Name of Operator Tamarack Petroleum Company, Inc.		9. Well No. 1
3. Address of Operator 910 Building of the Southwest, Midland, Texas 79701		10. Field and Pool, or Wildcat Lightcap (Devonian)
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>2307.8</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>6</u> TWP. <u>8S</u> RGE. <u>30E</u> NMPM		12. County Chaves
19. Proposed Depth 8200		19A. Formation Devonian
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 4061.7 Ground	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Ard Drilling Co.
		22. Approx. Date Work will start September 15, 1972

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15	11 3/4	47	400	400	Circ.
11	8 5/8	24	2500	200	1300
7 7/8	5 1/2	15.5 & 17	8200	400	6000

1. Drill 15" hole to 400'.
2. Set 11 3/4 at 400' w/400 sx. cmt. WOC 12 hrs. Test to 500#. **600#**
3. Drill 11" hole to 2500'.
4. Set 8 5/8 csg. at 2500' w/200 sx. cmt. WOC 24 hrs. Test to 1000#.
5. Drill 7 7/8 hole to 8200' in Devonian.
6. Set 5 1/2 csg. as indicated by logs & DST.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,  
EXPIRES 12/7/72

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 Vice President Date September 7, 1972

(This space for State Use)  
APPROVED BY [Signature] TITLE Geologist DATE SEP 7 1972  
CONDITIONS OF APPROVAL, IF ANY:

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SEP 7 1972  
OIL CONSERVATION COMM.  
HOBBS, N. M.