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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>E-1156</b>

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

1a. Type of Work		7. Unit Agreement Name -----	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name <b>Sombrero Unit</b>	
2. Name of Operator <b>Skelly Oil Company</b>		9. Well No. <b>1</b>	
3. Address of Operator <b>P. O. Box 1351, Midland, Texas 79701</b>		10. Field and Pool, or Wildcat <b>Sombrero Penn</b>	
4. Location of Well UNIT LETTER <b>E</b> LOCATED <b>660</b> FEET FROM THE <b>West</b> LINE <b>1980</b> North <b>12</b> <b>16S</b> <b>33E</b> AND FEET FROM THE LINE OF SEC. TWP. RGE. NMPM		12. County <b>Lea</b>	
19. Proposed Depth <b>13,088'</b>		20. Rotary or C.T. -----	
21. Elevations (Show whether DF, RT, etc.) <b>4183' DF</b>		22. Approx. Date Work will start <b>Immediately</b>	

## PROPOSED CASING AND CEMENT PROGRAM

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

Well ceased to flow and did not respond to swabbing and former stimulation treatments were unsuccessful. We propose to test Upper Zones as follows:

- 1) Pull tubing. Set "DR" plug in Model "D" packer at 13,100' and dump two sacks cement on top of packer, filling up to approximately 13,088'.
- 2) Set bridge plug at 12,100'; spot acid; set packer at 11,990' and perforate as follows: 12,015', 12,019', 12,022', 12,026', 12,035', 12,038' and 12,042'. Acidize perforations with 1,000 gallons 7-1/2% acid and 12 ball sealers. Test. Release packer and bridge plug.
- 3) Set bridge plug at 11,200'; spot acid; set packer at 11,050' and perforate as follows: 11,082', 11,084', 11,087', 11,089', 11,091', 11,122', 11,145'. Acidize perforations with 1,000 gallons 7-1/2% mud acid and 12 ball sealers. Test. Release packer and bridge plug.
- 4) Set bridge plug at 10,640'; spot acid; set packer at 10,450' and perforate as follows: 10,483', 10,487', 10,489', 10,534', 10,537', 10,541', 10,546' and 10,549'. Acidize perforations with 1,000 gallons 7-1/2% mud acid and 12 ball sealers. Test.
- 5) Recomplete as tests warrant.

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 (Signed) C. J. [Signature] Title District Production Manager Date January 26, 1972

(This space for State Use)

APPROVED BY [Signature] TITLE COMMISSIONER DATE JAN 28 1972

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JAN 27 1962

OIL CONSUMPTION 1 1/2  
HOURS 1 1/2