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# NEW MEXICO OIL CONSERVATION COMMISSION

30-015-22976

Form C-101  
Revised 1-1-65

JUL 25 1979

O. O. C.  
ARTESIA, OFFICE

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. LG-1727

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

1a. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name -----
2. Name of Operator Hanagan Petroleum Corporation		8. Farm or Lease Name Shamrock
3. Address of Operator P.O. Box 1737 - Roswell, N.M. 88201		9. Well No. 1
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980'</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>34</u> TWP. <u>18S</u> RGE. <u>28E</u> NMPM		10. Field and Pool, or Wildcat W. Undesignated <i>Turkey Track mor</i>
		12. County Eddy
		19. Proposed Depth 11,200'
		19A. Formation Morrow
		20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3551 GR	21A. Kind & Status Plug. Bond 50,000 <sup>00</sup> Blanket	21B. Drilling Contractor Rial
		22. Approx. Date Work will start 8/1/79

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17	13 3/8	48	350 to 400	450	Circ.
11	8 5/8	24 & 32	3000	1000	Circ.
7 7/8	5 1/2	17 & 20	11,200	500	

Plan set surf. csg. in top anhydrite just above salt, intermed. csg. cmt. circ. or tied back into surf. csg., yellow jacket & install flow sensor, pit peveller & choke @ 8500' (est. top Wolfcamp) - Drill fresh wtr & native mud 0 to 8500'; 8500' to 10500' 2 to 3% KCl wtr., 9 to 9.2# wt., 10500 to TD 5% KCl, 9.2 to 9.5 wt., 10 or less wl, visc. sufficient keep hole clean & good samples - 1500 Series BOP, Hydrill & Rotary head will be used, Good portion of dedicated acreage under contract Gasco.

APPROVAL ☒ VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,  
EXPIRES 10-27-79

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 Hugh E. Hanagan Title Vice President Date 7/24/79

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUL 27 1979

CONDITIONS OF APPROVAL, IF ANY:

*Notify this office if water flow is encountered*