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NEW MEXICO OIL CONSERVATION COMMISSION

**AUG 27 1979**

**O. C. C.**  
**ARTESIA, OFFICE**

30-015-22992  
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.	
LG-41	

<b>APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK</b>			
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"/>		--	
DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Farm or Lease Name	
SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Amoco-McKay State	
2. Name of Operator		9. Well No.	
PETROLEUM DEVELOPMENT CORPORATION ✓		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
9720B Candelaria, NE, Albuquerque, New Mexico 87112		x South Hope Penn.	
4. Location of Well		12. County	
UNIT LETTER <u>I</u> LOCATED <u>760</u> FEET FROM THE <u>East</u> LINE		Eddy	
AND <u>1980</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>25</u> TWP. <u>18S</u> RGE. <u>21E</u> NMPM			
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
7600		Morrow (Penn.)	Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4099 GL, 4111 KB	Blanket - active	Hondo	Aug. 30, 1979

23.

**PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13-3/8"	48#	400'	450 sx.	Circ. to surf.
12¼"	8-5/8"	24#	1800'	1200 sx.	Circ. to surf.
7-7/8"	4-1/2"	10.5#	7600'	200 sx.	6500'

Drill surface and intermediate holes with fresh water mud system. Circulate cement to surface on both pipe strings, or bring cement to surface by cementing through 1" pipe. Test surface casing to 500 psi before drilling out. Test intermediate casing and BOP to 2000 psi before drilling plug. BOP, surface connections and chokes will be tested to 3000 psi before reaching Wolfcamp. The 7-7/8" holes will be drilled with a 2% KCl or "cut brine" mud with fluid loss control as needed. Completion will be by jet perforating indicated pay intervals and acidizing or fracturing as need is indicated.

A 900-series double-ram preventer and Hydril with remote controls will be used. Choke manifold and flow lines will be hooked up in a manner similar to API Bulletin D-13.

**APPROVAL AND  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,**

**EXPIRES 18-28-79**

ON 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.

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

Signed Charles W. Sanders Title Vice President Date 8-24-79  
(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE AUG 28 1979

CONDITIONS OF APPROVAL, IF ANY:

NSL must be approved prior to producing the well

Cement must be circulated to surface behind 13 3/8" + 8 5/8" casing

Notify N.M.O.C.C. in sufficient time to witness cementing the 8 5/8" casing