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NEW MEXICO OIL CONSERVATION COMMISSION

30-015-22626
Form C-101
Revised 1-1-65

JUL 21 1978

O. C. C.
ARTESIA, OFFICE

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Cerro	
2. Name of Operator Black River Corporation ✓		9. Well No. 1	
3. Address of Operator 620 Commercial Bank Tower, Midland, Tex. 79701		10. Field and Pool, or Wildcat Und. S. Carlsbad Morrow	
4. Location of Well UNIT LETTER <u>E</u> LOCATED <u>2080</u> FEET FROM THE <u>North</u> LINE AND <u>760</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>11</u> TWP. <u>23S</u> RGE. <u>27 E</u> NMPM		12. County Eddy	
		19. Proposed Depth 12,600	19A. Formation Morrow
		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 3092.4 Ground Level	21A. Kind & Status Plug. Bond State Wide on file	21B. Drilling Contractor Ard Drilling Inc.	22. Approx. Date Work will start July 30, 1978

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	450 350	Circulate to surface	
12 1/4"	10 3/4"	40-45#	5600	Circulate to surface	
9 1/2"	7 5/8"	26-29#	12,000	Circulate back to top of liner	
6 1/2"	5"	18#	12,600	Circulate back to top of liner	

We propose to drill a 17 1/2" hole to approximately ⁴⁵⁰350' after setting a 20" conductor at 30'. 13 3/8" casing will be set at 450' and cement will be circulated to surface. After WOC a minimum of 24 hours will then drill a 12 1/4" hole to approximately 5600'. 10 3/4" casing will be set at 5600'. Will then WOC a minimum of 24 hours. From this point will drill a 9 1/2" hole to 12,000' where 7 5/8" liner will be set. A 6 1/2" hole will then be drilled to 12,600' and a 5" liner will be installed. See attached mud program

Gas is not dedicated.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 10-25-78

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 Ronnie Saunders Title Vice President Date 7/7/78

(This space for State Use)

APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT II DATE JUL 25 1978

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 13 3/8"-10 3/4" casing