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NEW MEXICO DEPARTMENT OF MINES AND METALLURGY

NOV 29 1977

O. C. C.  
ARTESIA, OFFICE

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Firm or Lease Name BRC-Madera
9. Well No. 1
10. Field and Pool, or Wildcat undesignated
12. County Eddy
19. Proposed Depth 11,600
19A. Formation Morrow
23. Rotary or C.T. Rotary
21. Cement (Show whether DF, RT, etc.) 3138.8 Ground Level
21A. Kind & Status Plug. Bond State Wide on file
21B. Drilling Contractor Warton Drilling Co.
22. Approx. Date Work will start 12-6-77

### 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"/>
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
c. Name of Operator Black River Corporation
d. Address of Operator 620 Commercial Bank Tower, Midland, Texas 79701
e. Location of Well UNIT LETTER B LOCATED 860 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 29 TWP. 22S RGE. 27E NMPM
19. Proposed Depth 11,600
19A. Formation Morrow
23. Rotary or C.T. Rotary
21. Cement (Show whether DF, RT, etc.) 3138.8 Ground Level
21A. Kind & Status Plug. Bond State Wide on file
21B. Drilling Contractor Warton Drilling Co.
22. Approx. Date Work will start 12-6-77

### PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
22"	20"	59.59#	30'	Circulate to	surface
12 3/4"	10 3/4"	40.50#	2,400	Circulate to	surface
9"	7 5/8"	19.70 to 33.70	10,600	675 sacks	
6"	5"	18#		100 sacks	

We propose to drill a 13 3/4" hole to approximately 2400' after setting a 20" conductor at 30 feet. 10 3/4" casing will be set at 2400'. Cement will be circulated to the surface will then WOC a minimum of 24 hours. See xerox of B.O.P. that will be used. From this point will drill 9" hole to 10,600 whereas, 7 5/8" casing will be set. A 6" hole will then be drilled to 11,600 and a 5" liner will be installed. Mud program to be filed separately.

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 Bowden Title Vice President Date 11-28-77

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: