

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Blackwood &amp; Nichols Co., Ltd

## 3. ADDRESS OF OPERATOR

P.O.Box 1237, Durango, Colorado, 81302-1237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

635' FNL - 740' FEL

At proposed prod. zone  
Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15 miles NE of Blanco, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

740'

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

300'

## 16. NO. OF ACRES IN LEASE

1779.91

## 19. PROPOSED DEPTH

3050'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6130' RT  
6316' GL

## 22. APPROX. DATE WORK WILL START\*

November 15, 1988

23. "Cementing Program".  
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36 #	300'	207 cuft to circulate
7 7/8 8 3/4"	5 1/2 7"	17 23 #	2830' 300'	781 cuft to Circulate
6 1/4"	5 1/2"	17 #	2730-3050'	39 cuft to circulate

Propose to spud in the San Jose Formation. Will drill a 12 1/4" surface hole to a TD of 300'. Surface casing will be run and cemented with cement returns to surface. WOC 12 hours. Test to 600 psi. Drill an 8 3/4" hole with fresh water mud to Intermediate TD. No abnormal pressures or poisonous gases are anticipated. Casing will be run and cemented with cement returns to surface. WOC 12 hours. Test to 1500 psi. Drill a 6 1/4" hole through the Fruitland coals with fresh water. A liner may be run if conditions dictate. The liner may or may not be cemented, depending on the wells natural Producing ability.

RECEIVED  
DEC 1 8 1988

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present or proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

William F. Clark

TITLE

Operations Manager

DATE

Oct 24, 88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NSL-2604

\*See Instructions On Reverse Side  
DIST. 3APPROVED  
DATE

AS AMENDED

DEC 9 1988

AREA MANAGER

Registered Professional Engineer  
and/or Land Surveyor

Neale C. Edwards

Certificate No.