

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  
ON RESOURCE AREA  
BLM MAIL ROOM  
SEP 30 1987  
OIL CON. DIV.  
DIST. 3

## 2. NAME OF OPERATOR

Blackwood &amp; Nichols Co., Ltd.

## 3. ADDRESS OF OPERATOR

P. O. Box 1237, Durango, Colorado 81302

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

At proposed prod. zone 1830' F/SL, 1850' F/EL

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

7 miles

## 15. DISTANCE FROM PROPOSED\*

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

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

## 16. NO. OF ACRES IN LEASE

2314.56

## 19. PROPOSED DEPTH

6050'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

E 320

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR. This action is subject to technical and

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

September 15, 1987

23. 63726347 GL (Ungraded) procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.5  
PROPOSED DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36.0	300'	Circulate (325 cf)
8 3/4"	7"	23.0	3,630'	Cover Ojo Alamo (1,000 cf)
6 1/4"	4 1/2" Liner	10.5#	6,050'	Fill to 7" Csg. (500 cf)

Blackwood & Nichols proposes to drill this well to further develop the Blanco Mesaverde Formation in the Northeast Blanco Unit. Project summary:

- 1) Drill a 12 1/4" hole to  $\pm 300'$ . Run and cement 9 5/8" surface casing; circulate cement to surface, WOC - 12 hours.
- 2) Install the BOP; pressure test casing to 1,000 psi.
- 3) Drill an 8 3/4" hole to  $\pm 3,630'$  with a weighted gel mud; run and cement 7" casing; cover Ojo Alamo with cement; run temperature log if cement not circulated.
- 4) Pressure test 7" casing to 1,000 psi.
- 5) Drill a 6 1/4" hole with gas to 6,050'; run 4 1/2" production liner and cement.
- 6) Perforate and break down the Mesaverde zones, fracture stimulate.
- 7) Run 2 3/8" tubing.

Attached: Onshore Drilling Program Surface Use Program

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. 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 August 28, 1987

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

\*See Instructions On Reverse Side

FOR

181 Arlan B. Miner

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

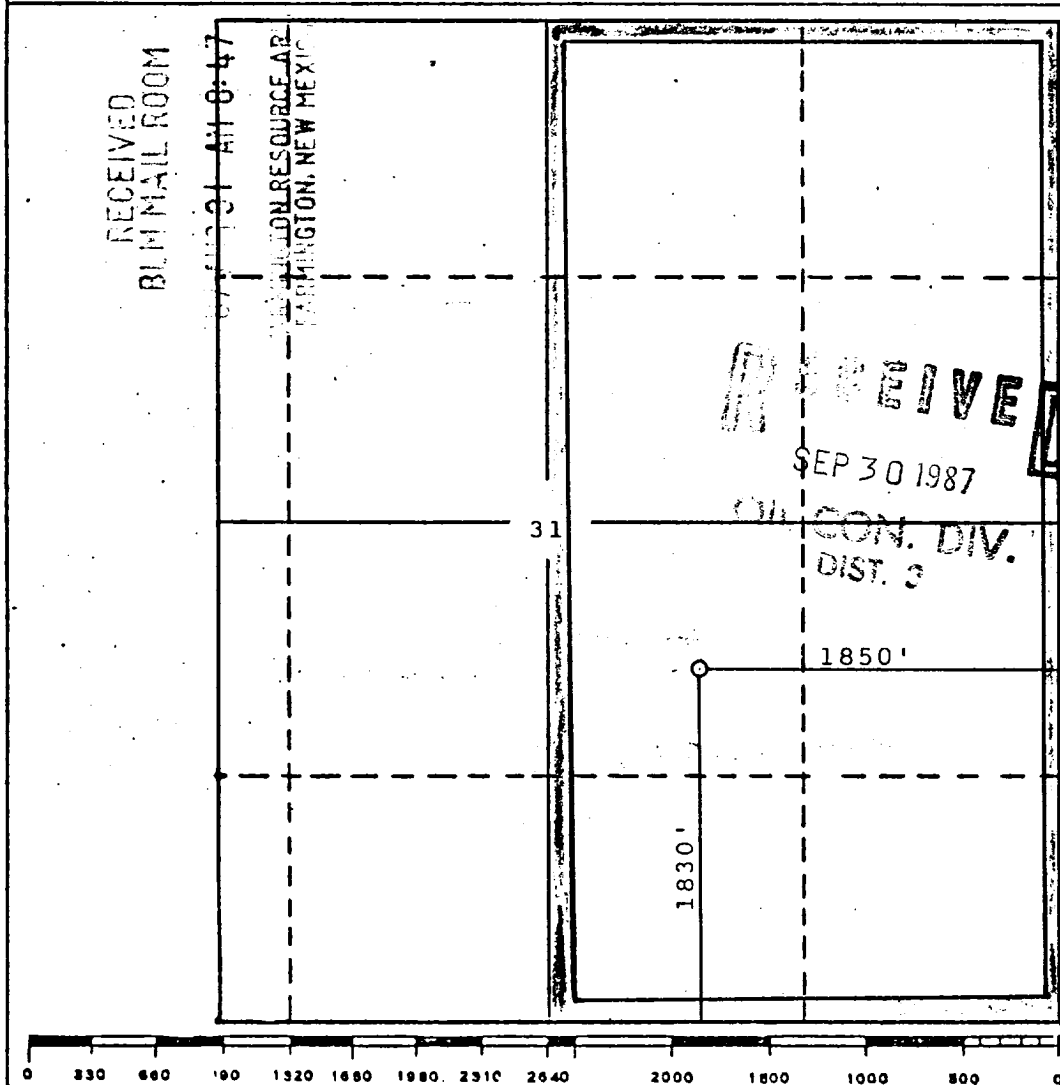
Operator <b>BLACKWOOD &amp; NICHOLS CO., LTD.</b>			Lease <b>NORTHEAST BLANCO UNIT</b>		Well No. <b>38-A</b>
Unit Letter <b>J</b>	Section <b>31</b>	Township <b>T.31 N.</b>	Range <b>7W., N.M.P.M.</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span>1830 feet from the south line and</span> <span>1850 feet from the east line</span> </div>					
Ground Level Elev. <b>6372 (U.G.)</b>	Producing Formation <b>Mesaverde</b>	Pool <b>Blanco-Mesaverde</b>	Dedicated Acreage: <b>320 Acres</b>		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes    ☐ No    If answer is "yes," type of consolidation Unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

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

*William F. Clark*

Name  
**William F. Clark**

Position  
**Operations Manager**

Company  
**Blackwood & Nichols Co., Ltd.**

Date  
**August 20, 1987**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**August 14, 1987**

Registered Professional Engineer and/or Land Surveyor  
*Allison L. Kroeger*  
**Allison L. Kroeger, PLS**

Certificate No.  
**7922**

