

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 ☐

2. NAME OF OPERATOR
Blackwood & 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.)
837' FSL - 815' FWL
At proposed prod. zone
same

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

14 miles NE of Blanco, New Mexico

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

815'

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

250'

16. NO. OF ACRES IN LEASE
1022.45

19. PROPOSED DEPTH
3560'

17. NO. OF ACRES ASSIGNED
TO THIS WELL
W/ 320

20. ROTARY OR CABLE TOOLS
Rotary

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

6390' GL

22. APPROX. DATE WORK WILL START*
April 1, 1989

This action is taken in accordance with the
procedural part of the Act, and approved
and approved by the Director of the Geological Survey.

PROPOSED CASING AND CEMENTING PROGRAM

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#	300'	207 cuft to circulate
8 3/4"	7"	23#	3560'	910 cuft to circulate

Propose to spud in the San Jose formation. Will drill a 12 1/4" 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 8 3/4" hole with fresh water mud to TD of 3560'. No poisonous gas is anticipated. Weighted mud will be used to drill the Fruitland coals. Logs will be run at TD. Casing will be run and cemented in two stages with cement returns to surface. The drilling rig will be released and a completion unit moved on. Cased hole bond and correlation logs will be run. The Fruitland coal intervals will be perforated and frac'd with a fresh water base gel fluid.

RECEIVED

MAR 21 1989

OIL CON. DIV

DIST 3

Surface ownership is Fee.

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. William F. Clark

TITLE Operations Manager

DATE Jan 23, 1989

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED
AS AMENDED

MAR 17 1989

AREA _____

*See Instructions On Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

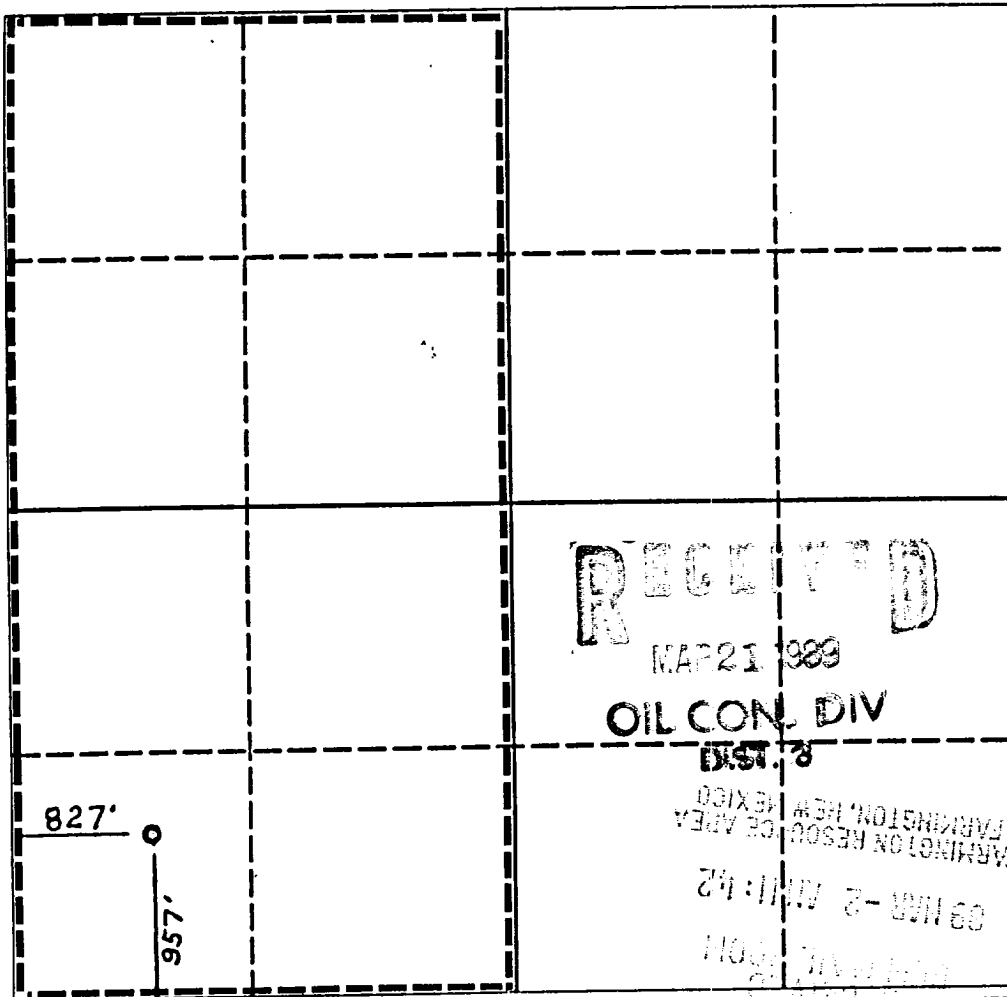
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Blackwood & Nichols Co., Ltd.			Lease Northeast Blanco Unit		Well No. 445
Unit Letter M	Section 25	Township 31N	Range 8W	County NMPM San Juan	
Actual Footage Location of Well: 957' feet from the South line and 827' feet from the West line					
Ground level Elev. 6392'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation NA
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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
William F. Clark

Printed Name
William F. Clark

Position
Operations Manager

Company
Blackwood & Nichols Co., Ltd

Date
February 27, 1989

SURVEYOR CERTIFICATION

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
9-1-88

Signature & Seal of
Professional Surveyor

Neale C. Edwards

Certificate No.
6857

