

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

APPROVAL EXPIRES 1-5-91

UNLESS DRILLING IS COMMENCED.

SPUD NOTICE MUST BE SUBMITTED

WITHIN 10 DAYS

API NO. (assigned by OCD on New Wells)

30-045-27991

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

E-178-1

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☐

OTHER ☒

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. Name of Operator

Blackwood & Nichols Co., Ltd.

3. Address of Operator

P. O. Box 1237, Durango, CO 81302

7. Lease Name or Unit Agreement Name

Agmt. I, Sec. 92-

Northeast Blanco Unit

8. Well No.

504

N/320

9. Pool name or Wildcat

Basin Fruitland Coal

4. Well Location  
Unit Letter

M

: 790

Feet From The

South

Line and

790

Feet From The

West

Line

Section

16

Township

31N

Range

7W

NMPM

San Juan

County

10. Proposed Depth

3420'

11. Formation

Fruitland Coal

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

6540' GR

14. Kind & Status Plug. Bond

15. Drilling Contractor

16. Approx. Date Work will start

July 3, 1990

17. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP    |
|--------------|----------------|-----------------|---------------|-----------------|-------------|
| 12-1/4"      | 9-5/8"         | 36.0#, K-55     | 300'          | 200             | Circulating |
| 8-3/4"       | 7"             | 23.0#, K-55     | 3420'         | (A)             | Circulating |

(A) 450 sx Howco Lite plus 100 sx neat

Blackwood & Nichols proposes to drill a Fruitland Coal well to further develop the Northeast Blanco Unit. 7" casing will be topset above the coal zones using a low solids mud with sufficient weight for well control. Then an uncemented 5-1/2" liner will be set through the Fruitland Coal zones. Well control will be a 6" series 900 BOP, rotating head, and sufficient kill and bleed liner. Attached you will find:

1. C-102
2. Proposed Access Map
3. Drilling Pad Layout
4. Map of Area Wells

RECEIVED  
JUL 5 1990

JUN 22 1990

OIL CON. DIV.

OIL CON. DIV.  
DIST. 3

Surface Ownership: State of New Mexico

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.

SIGNATURE William F. Clark TITLE Operations Manager DATE 6/14/90

TYPE OR PRINT NAME William F. Clark

TELEPHONE NO 303/247-0728

(This space for State Use)

APPROVED BY Ernie Ruch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUL 5 1990

CONDITIONS OF APPROVAL, IF ANY:

HOLD C-104 FOR CONVERSION OF N.E.B.U. #218 TO  
PRESS. MONITOR WELL

**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.

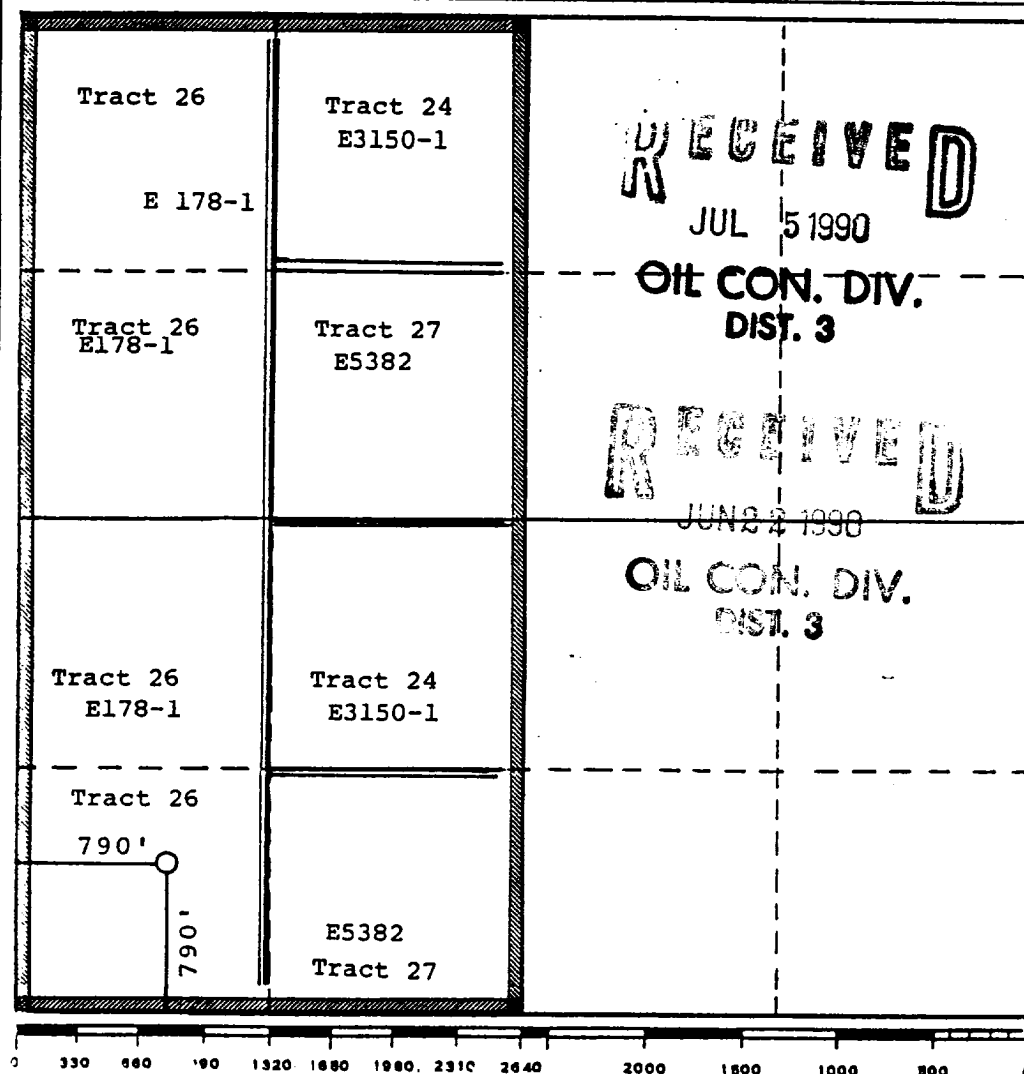
|                                                                                                         |                                              |                             |                                       |                                        |                        |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------|---------------------------------------|----------------------------------------|------------------------|
| Operator<br><b>BLACKWOOD &amp; NICHOLS CO., LTD.</b>                                                    |                                              |                             | Lease<br><b>NORTHEAST BLANCO UNIT</b> |                                        | Well No.<br><b>504</b> |
| Unit Letter<br><b>M</b>                                                                                 | Section<br><b>16</b>                         | Township<br><b>31 North</b> | Range<br><b>7 West</b>                | County<br><b>San Juan County</b>       |                        |
| Actual Footage Location of Well:<br><b>790 feet from the south line and 790 feet from the west line</b> |                                              |                             |                                       |                                        |                        |
| Ground Level Elev:<br><b>6540 (U.G.)</b>                                                                | Producing Formation<br><b>Fruitland Coal</b> |                             | Pool<br><b>Basin Fruitland Coal</b>   | Dedicated Acreage:<br><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.**

Date  
**December 7, 1989**

*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  
**November 8, 1989**

Registered Professional Engineer and/or Land Surveyor

*Allison L. Kroeger, PLS*  
**Allison L. Kroeger, PLS**  
Certificate No.

**7922**



Requires 1500' of new road.

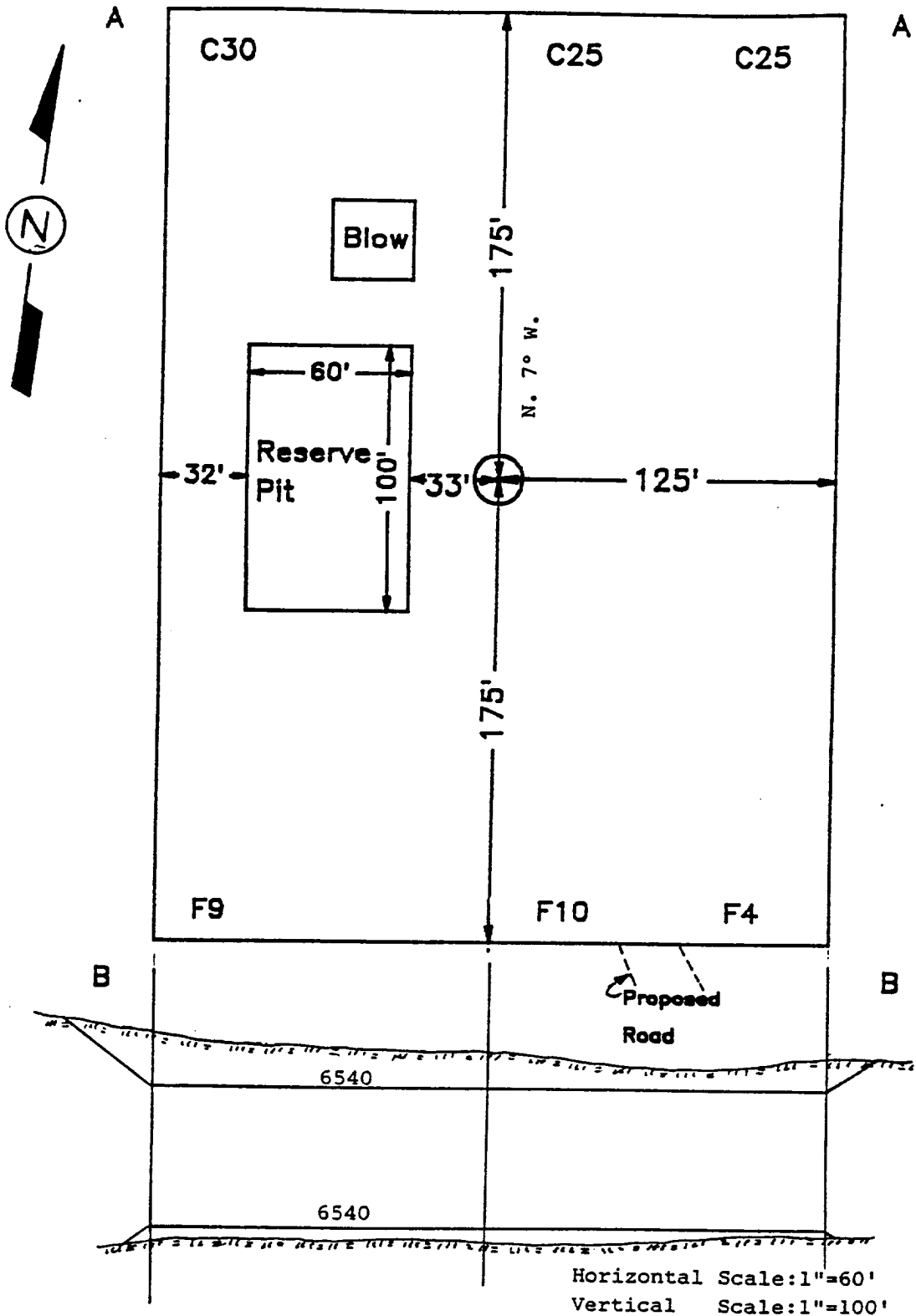
## BLACKWOOD & NICHOLS CO., LTD.

PROPOSED ACCESS ROAD  
TO NEBU 504 IN SEC. 16, T.31N., R. 7W.  
N.M.P.M. - SAN JUAN COUNTY, NM

Date: June, 1990

Scale: 1"=2000'

KROEGER & ASSOC.  
DURANGO, CO.



**BLACKWOOD & NICHOLS CO., LTD.**

Site Plan For  
Northeast Blanco Unit 504

Date: June, 1990

Scale: 1" = 60'

Kroeger & Associates  
Durango, Colorado

T-31-N  
R-7-W

