

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, CO 81301

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

At surface

1785' F/sL, 1770' F/WL

At proposed prod. zone

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

16 Miles

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. 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

1780

## 19. PROPOSED DEPTH

5740'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320 w 319.52

## 20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RL, or MSL) DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

6141' U.G.

23. PROPOSED CASING AND CEMENTING PROGRAM  
This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4.

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT   |
|--------------|----------------|-----------------|---------------|--|
| 12 1/4"      | 9 5/8"         | 32.3 H-40       | 200'          | 236 cf Class B w/2% CaCl   |
| 8 3/4"       | 7"             | 23.0 K-55       | 3355'         | 700 cf 50/50 Pozmix w/4% gel and<br>6 1/4# gilsonite & 77 cf<br>Class B Neat w/2% CaCl |
| 6 1/4"       | 4 1/2"         | 10.5 K-55       | 5740'         | 400 cf 50/50 Pozmix with 6 1/4"<br>Gilsonite   |

Blackwood and Nichols Company, Ltd. proposes to drill a replacement Mesaverde well. This gas is dedicated to El Paso Natural Gas Company. Attached you will find:

1. Onshore Drilling Program
2. Surface Use Program
3. Well Location and Dedication Plat
4. Map of Area Wells
5. Map of Proposed Access Road

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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*  
William F. Clark

Petroleum Engineer

TITLE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY JUL 08 1985

TITLE

APPROVED

DATE June 7, 1985

AS AMENDED  
JUL 05 1985(SGD.) MAT MILLENBACH  
AREA MANAGER  
FARMINGTON RESOURCE AREAOIL CON. DIV  
DIST. 2

NMOCC

\*See Instructions On Reverse Side

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.

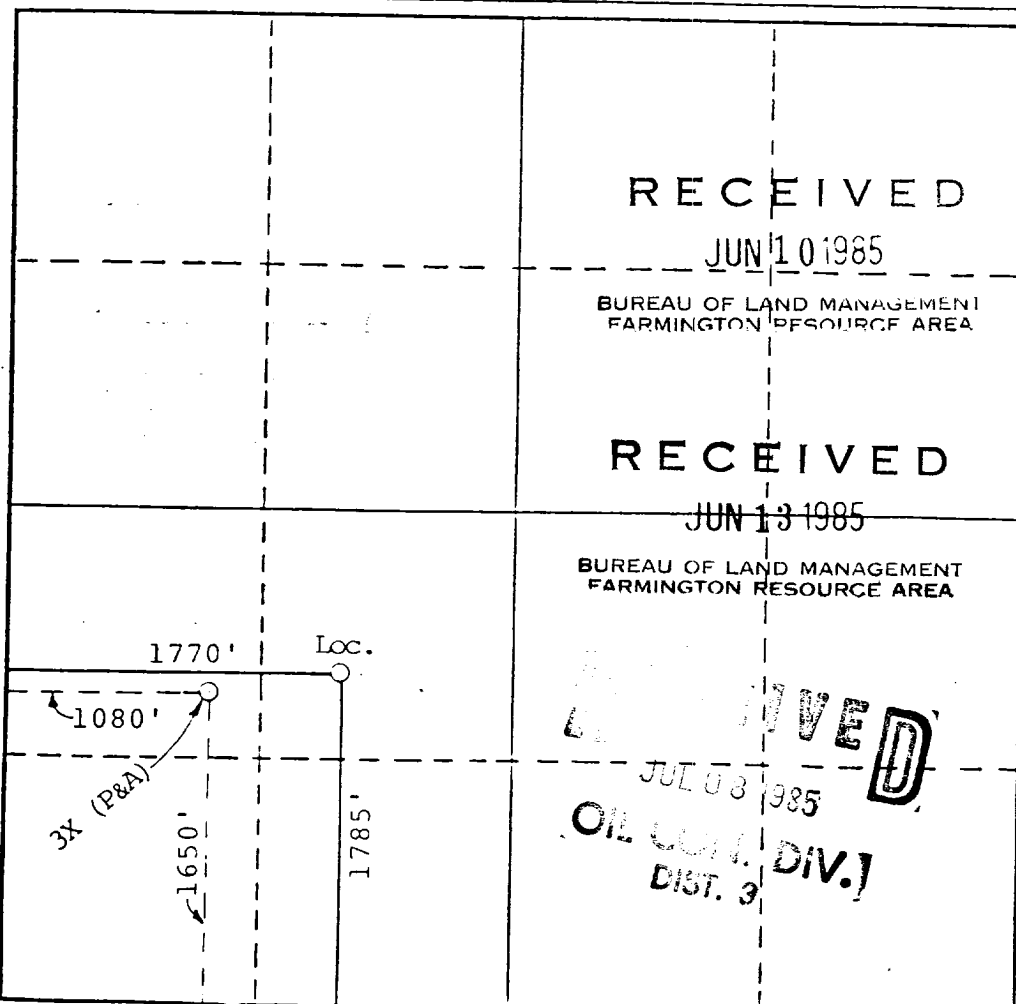
|  |   |                          |                                       |   |                       |
|--|---|--------------------------|---------------------------------------|---|-----------------------|
| Operator<br><b>BLACKWOOD &amp; NICHOLS CO., LTD.</b>   |   |                          | Lease<br><b>NORTHEAST BLANCO UNIT</b> |   | Well No.<br><b>3R</b> |
| Unit Letter<br><b>K</b>  | Section<br><b>5</b>                     | Township<br><b>30 N.</b> | Range<br><b>7W., N.M.P.M.</b>         | County<br><b>SAN JUAN</b>                 |                       |
| Actual Footage Location of Well:<br><b>1785</b> feet from the <b>south</b> line and <b>1770</b> feet from the <b>west</b> line |   |                          |                                       |   |                       |
| Ground Level Elev:<br><b>6141 (U.G.)</b>   | Producing Formation<br><b>Measverde</b> |                          | Pool<br><b>Blanco Mesaverde</b>       | Dedicated Acreage:<br><b>319.52</b> Acres |                       |

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 Unitized

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.



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BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

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JUL 03 1985  
OIL CON. DIV.  
DIST. 3

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

Petroleum Engineer

Company

Blackwood & Nichols Co. I.

Date

June 7, 1985

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

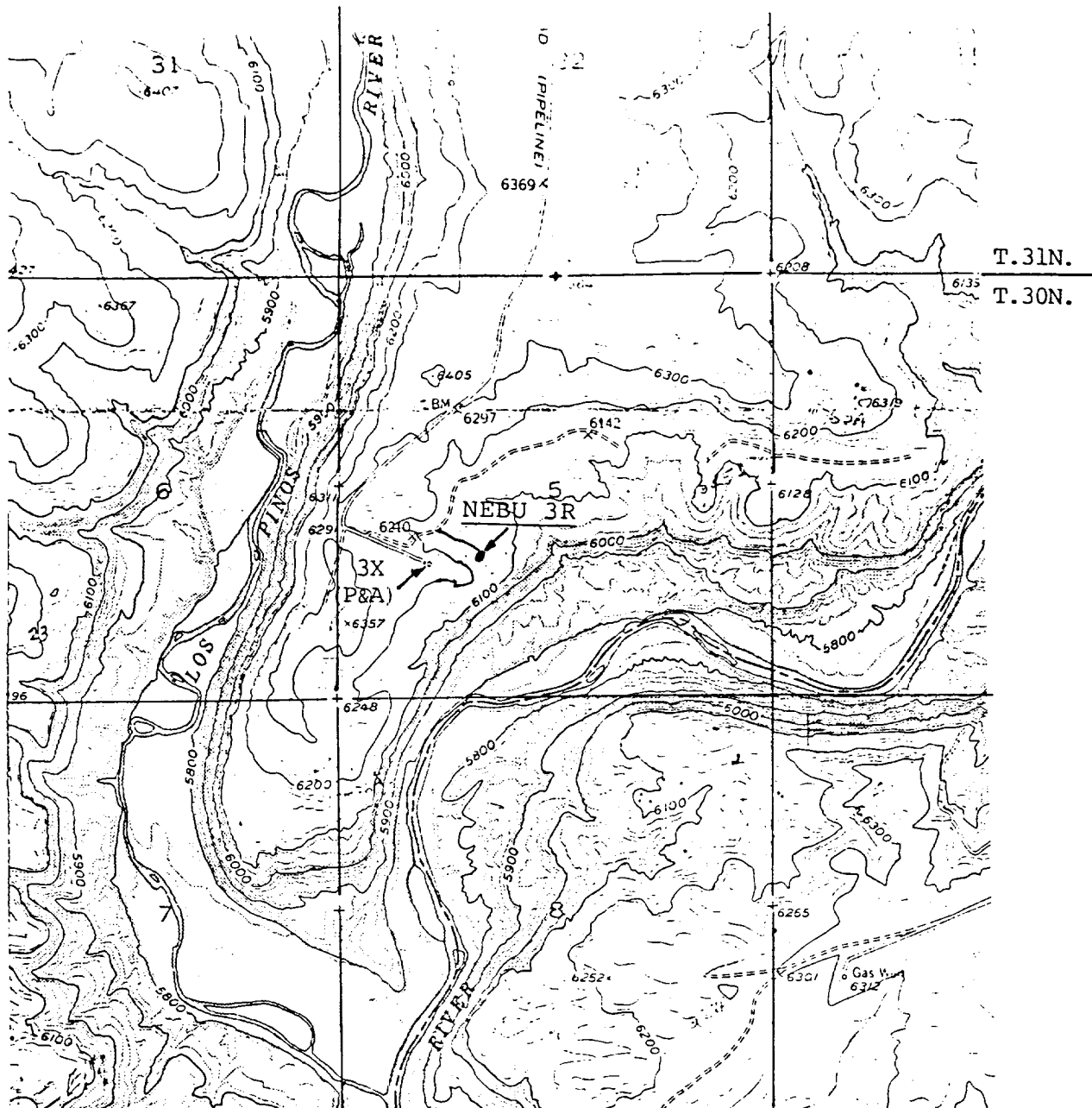
April 8, 1985

Registered Professional Engineer  
and/or Land Surveyor

*Allison L. Kroege*  
Allison L. Kroege

Certificate No.

7922



R. 7 W., N.M.P.M.

NOTE:

Construct 650'± of new road from an existing road to NEBU 3R.

Figure II

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

PROPOSED ACCESS ROAD TO NEBU 3R  
LOCATED IN SEC. 5, T. 30 N., R. 7 W., N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

Date: April, 1985

Scale: 1"=2000'

KROEGER ENGINEERING COMPANY  
DURANGO, COLO.