

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

30-045-27507  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

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 & 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

1785' FNL, 1770' FEL

At proposed prod. zone

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

17 miles SE of Ignacio, Colorado

15. DISTANCE FROM PROPOSED\*

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

1785'

16. NO. OF ACRES IN LEASE

840

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320 acres

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

181'

19. PROPOSED DEPTH

3290'

20. ROTARY OR CABLE TOOLS

Rotary

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

DRILLING OPERATIONS AUTHORIZED ARE

6539' GL

22. APPROX. DATE WORK WILL START\*

August 1, 1989

23. "GENERAL REQUIREMENTS".

PROPOSED CASING AND CEMENTING PROGRAM

PROCEDURAL REVIEW REQUIRED IS 43 CFR 3163.3  
AND APPROX. PERMIT TO 43 CFR 3163.4.  
QUANTITY OF CEMENT

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	300'	207 cf/circulated to surface
8-3/4"	7"	23#	3100'	744 cf/circulated to surface
6-1/4"	5-1/2"	17#	3000-3290'	30 cf/circulate to liner top

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/30 minutes. Drill an 8-3/4" hole to a TD of 3100' using fresh water mud. No poisonous gasses or abnormal pressures are anticipated. Run intermediate casing and cement with cement returns to surface. WOC 12 hours. Test to 1500 psi/30 minutes. Drill a 6-1/4" hole to a TD of 3290' using water and air. Run a mud logging unit while drilling this interval. Run the production liner. The liner will be cemented if the well's natural flow capacity indicates the need for fracture stimulation.

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.

SIGNED William F. Clark  
William F. Clark  
(This space for Federal or State office use)

TITLE Operations Manager

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

OCT 12 1989

AREA MANAGER  
FARMINGTON RESOURCE 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

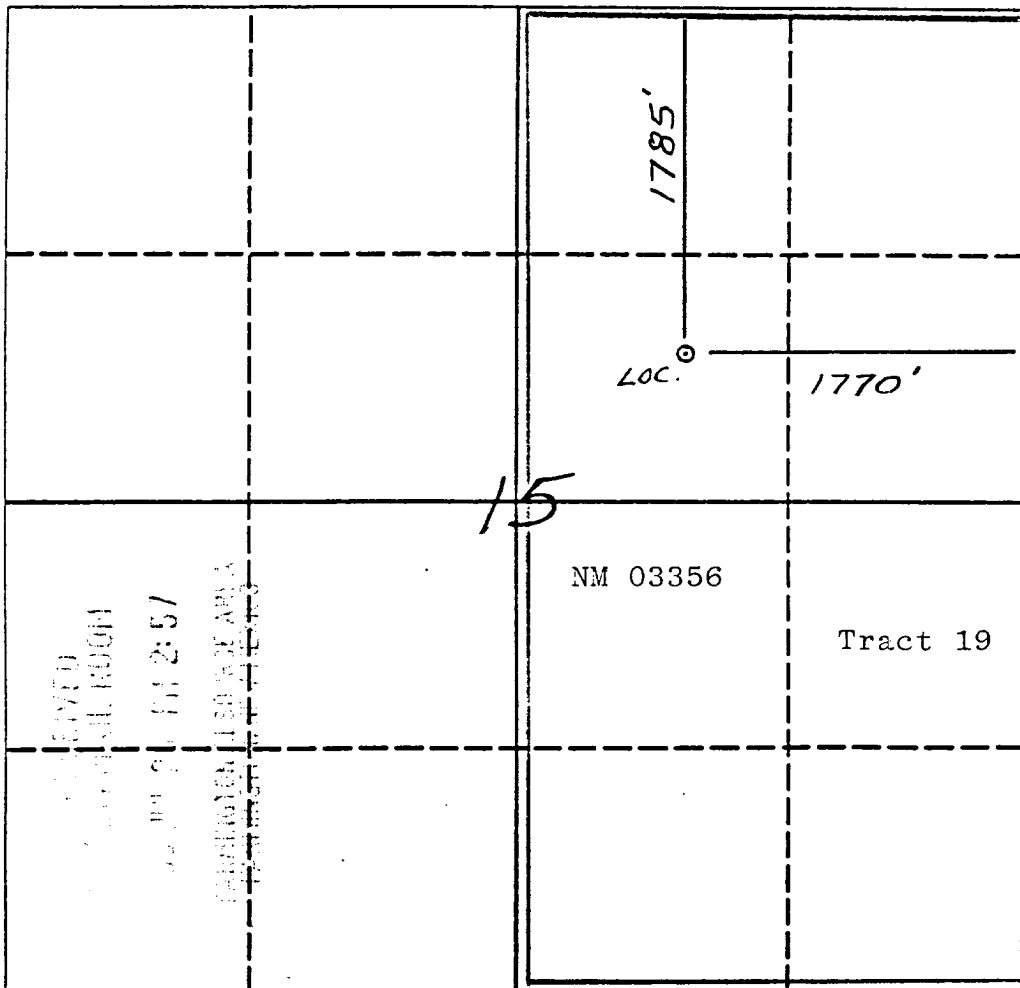
All Distances must be from the outer boundaries of the section

Operator Blackwood & Nichols Co., LTD.			Lease Northeast Blanco Unit		Well No. 452
Unit Letter G	Section 15	Township 31 North	Range 7 West	County San Juan	
Actual Footage Location of Well: 1785 feet from the North line and 1770 feet from the East line					
Ground level Elev. 6539'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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

Date  
*July 18, 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. 7-5-89

Date Surveyed  
*Neale C. Edwards*

Signature & Seal of Professional Surveyor  
*Neale C. Edwards*

Certificate No.  
6857