

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UBMIT IN TRIPPLICATE
Other instructions on
reverse side

Budget Bureau No. 42-10112

30-039-24872

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, 81302-1237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
225' FNL - 1640' FEL
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles NE of Blanco, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 255'
16. NO. OF ACRES IN LEASE 2236.44 403.60

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING COMPLETED OR APPLIED FOR ON THIS LEASE, FT. 100'
19. PROPOSED DEPTH 3163'

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6265' GL

5. LEASE DESIGNATION AND SERIAL NO
SF079060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Northeast Blanco

8. FARM OR LEASE NAME
Northeast Blanco Unit

9. WELL NO.
429R

10. FIELD AND POOL OR WILDCAT
Basin Fruitland Coal

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
B Section 17, T30N, R7W, NMPM

12. COUNTY OR PARISH 13. STATE
Rio Arriba NM

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

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START
April 1, 1990

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300'	295 cuft/circ. to surface
8 3/4"	7"	23#	2915'	940 cuft/circ. to surface
6 1/4"	5 1/2"	17#	2815' - 3163'	39 cuft/circ. to liner top

Propose to spud in the San Jose formation. Will drill a 12 1/4" hole to a TD of 300'. Run surface casing and cement, with cement returns to surface. WOC 12 hours. Test to 600 psi/30 mins. Drill an 8 3/4" hole to a TD of 2915' using fresh water mud. No abnormal pressures or poisonous gases are anticipated. Run intermediate casing and cement, with cement returns to surface. WOC 12 hours. Test to 1500 psi/30 mins. Drill a 6 1/4" hole to a TD of 3163' using water and air. Run a mud logging unit while drilling this interval. Run the production liner. The liner will be cemented if the wells natural flow capacity indicates the need for fracture stimulation.

RECEIVED

AUG 13 1990

Surface is Bureau of Reclamation.

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 location and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED William F. Clark TITLE Operations Manager DATE 22 Feb 90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NSL 2601

*See Instructions On Reverse Side

70.

Submit to Adjudicator
District Office
State Leases - 4 copies
Fee Leases - 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, Artesa, NM 88210

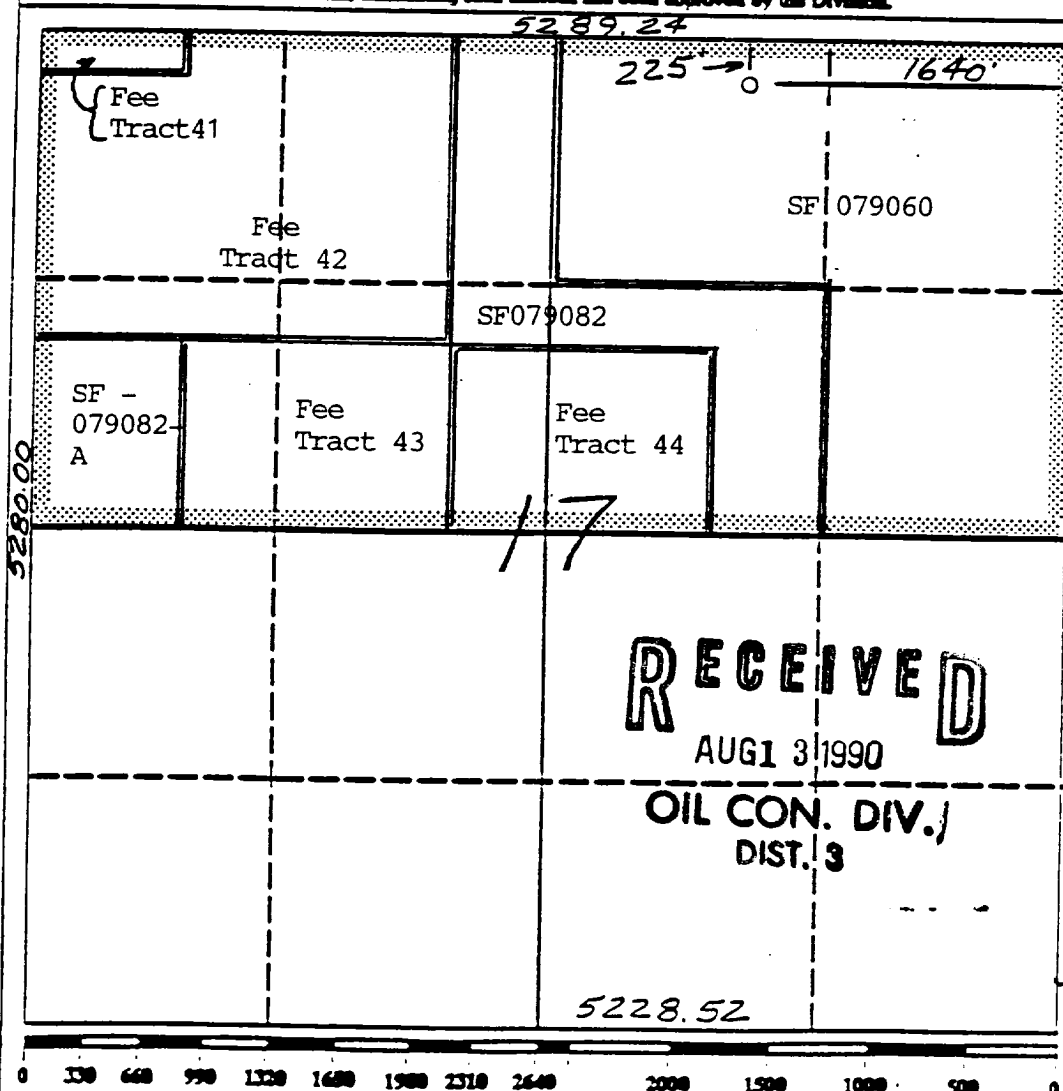
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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. 429 R
Unit Letter B	Section 17	Township 30 North	Range 7 West	County MCM		
Actual Footage Location of Well: 225 feet from the North line and 1640 feet from the East line						
Ground Level Elev. 6265'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or lacquer 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 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 allowance will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

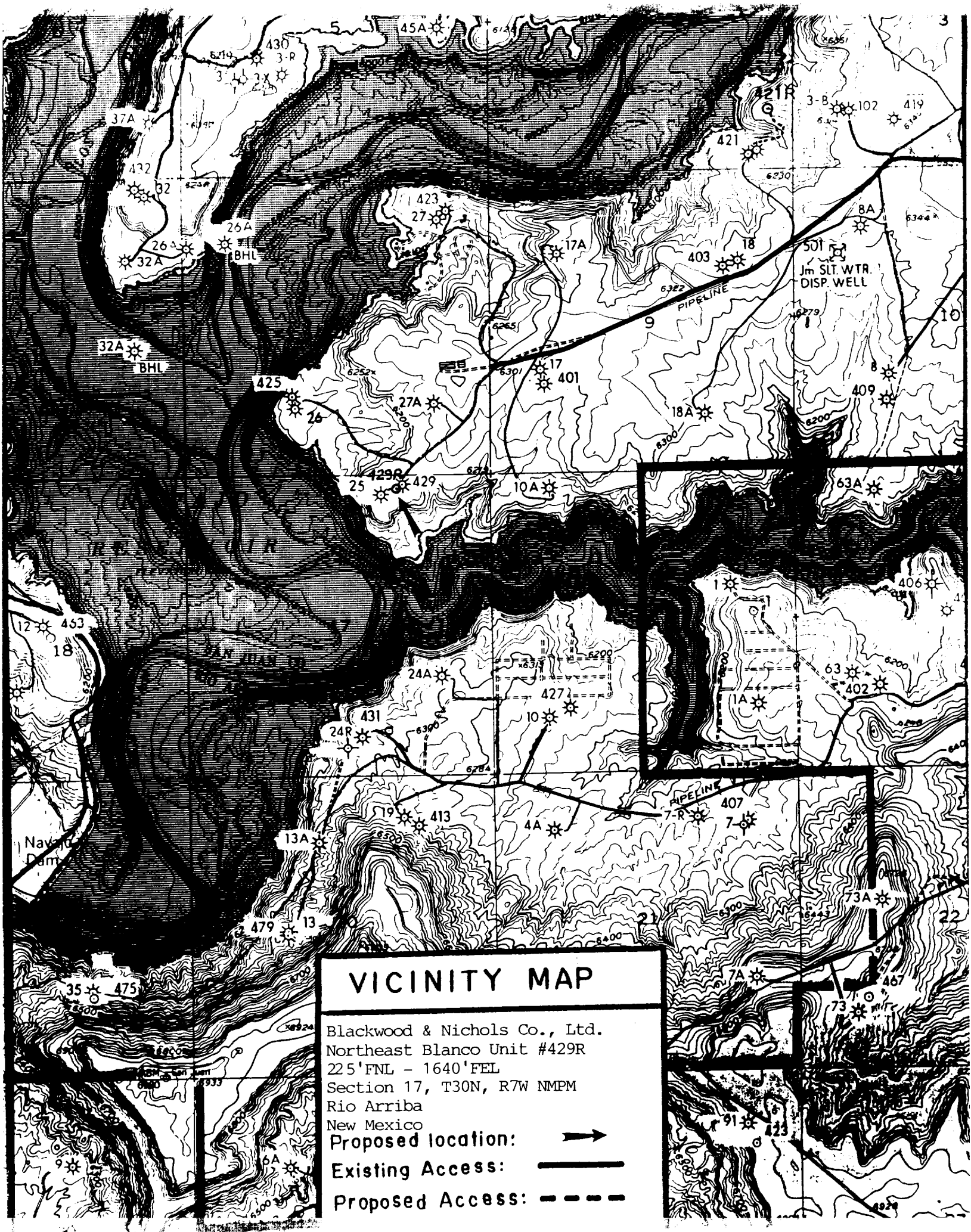
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
William F. Clark
Printed Name
William F. Clark
Position
Operations Manager
Company
Blackwood & Nichols Co.
Date

SURVEYOR CERTIFICATION

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

Date Surveyed
1-26-90
Signature of Surveyor
Neale C. Edwards
Professional Surveyor
Certificate No.
6857



VICINITY MAP

Blackwood & Nichols Co., Ltd.
Northeast Blanco Unit #429R
225'FNL - 1640'FEL
Section 17, T30N, R7W NMPM
Rio Arriba
New Mexico

Proposed location: ➔

Existing Access: ———

Proposed Access: - - - -