

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐88 OCT 19 11 3 29
PLUG BACK ☒

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE

MULTIPLE

ZONING

ZONING

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

680' FSL - 850' FWL

At proposed prod. zone

Same

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

13 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)

680'

16. NO. OF ACRES IN LEASE

103.60

17. NO. OF ACRES ASSIGNED
TO THIS WELL

307.44

18. DISTANCE FROM PROPOSED LOCATION*

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

300'

19. PROPOSED DEPTH

3290'

20. ROTARY OR CABLE TOOLS

Rotary

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

6354' GL

DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO STATE LAWS WITH ATTACHED

22. APPROX. DATE WORK WILL START*

November 15, 1988

23.

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'	207 cuft to circulate
8 3/4"	7"	23#	3035'	781 cuft to circulate
6 1/4"	5 1/2"	17#	2935'-3290'	39 cuft to circulate

Propose to spud in San Jose formation. Will drill 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. Drill 8 3/4" hole with fresh water mud to intermediate TD. No abnormal pressures or poisonous gases are anticipated. Casing will be run and cemented with cement returns to surface. WOC 12 hours. Test to 1500 psi. Drill 6 1/4" hole through Fruitland Coals with water. A liner may be run if hole conditions dictate. The liner may or may not be cemented, depending on the wells natural producing ability.

Surface: State

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production 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 October 18, 1988

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Hold C-104 FOR NSP + NSL

*See Instructions On Reverse Side

James E. Edwards Jr.
JACK HILL

All distances must be from the outer boundaries of the Section.

Operator Blackwood & Nichols Co., LTD.		Lease Northeast Blanco Unit		Well No. 433
Unit Letter N	Section 19	Township 30 North	Range 7 West	County Rio Arriba
Actual Footage Location of Well: 680 feet from the South line and 850 feet from the West line				
Ground Level Elev. 6354'	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal	Dedicated Acreage: 307.44 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
Note: See attached plat for dedicated acreage.
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 Division.

*Note: Non-standard due to terrain & pipelines.

RECEIVED
DE0081988
OIL CON. DIV.
DIST. 3

19

See attached Plat Description

850' LOC.
680'

RECEIVED
MINERAL ROOM
88 OCT 19 PM 3:29
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

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
Operations Manager
Position
Blackwood & Nichols Co., Ltd.
Company
October 18, 1988
Date

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

Neale C. Edwards
Date Surveyed
9-11-88
Registered Professional Engineer
and/or Land Surveyor
Neale C. Edwards
Certificate No. 6857

R. 8 W. R. 7 W.

Case #1005
Order #R-749

Case #1006 31
R-750-A

Case #1007
R-751

Case #1008
R-752

Case #1009
R-753



T.
N.

30
N.

—PORTION OF—
**NORTHEAST
BLANCO
UNIT**

**SAN JUAN & RIO ARriba
COUNTIES
NEW MEXICO**

- Completed Oil Well
- Location or Drilling Well
- ◇ Dry Hole
- Abandoned Location
- ★ Gas Well

SCALE: 1" = 3000' DAM SITE



