

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 & 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

798' FSL - 793' FWL

At proposed prod. zone

Same

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

19 miles NE of Blanco, New Mexico

10. DISTANCE FROM PROPOSED*

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

793'

18. DISTANCE FROM PROPOSED LOCATION*

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

200'

16. NO. OF ACRES IN LEASE

2560 2040.00

19. PROPOSED DEPTH

3189'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

6265' GL

22. APPROX. DATE WORK WILL START

January 5, 1990

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'	250 sxs. (295 cuft)
8 3/4"	7"	23#	2884'	555 sxs. (940 cuft)
6 1/4"	5 1/2"	17#	2784' - 3189'	30 sxs. (39 cuft)

Propose to spud in the San Jose formation. Will drill a 12 1/4" hole to a TD of 300'. Run and cement surface casing with cement returns to surface. WOC 12 hours. Test to 600 psi/30 mins. Drill an 8 3/4" hole to a TD of 2884' using fresh water mud. No abnormal pressures or poisonous gases are anticipated. Run and cement intermediate casing with cement returns to surface. WOC 12 hours. Test to 1500 psi/30 mins. Drill a 6 1/4" hole through the Fruitland Coals using air and water. Run production liner. Liner will not be cemented if a natural flow is encountered in the Fruitland. If no natural flow is encountered the liner will be cemented and the Fruitland coals will be perforated and fraced with a fresh water base gel fluid.

Surface is BLM

RECEIVED
JAN 08 1990
OIL CON. DIV.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production and proposed new production. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow preventer program, if any.

24.

SIGNED

William F. Clark

TITLE Operations Manager

DATE

19 Dec '89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

JAN 08 1990

AREA MANAGER

*See Instructions On Reverse Side

APPROVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 1-1-65

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

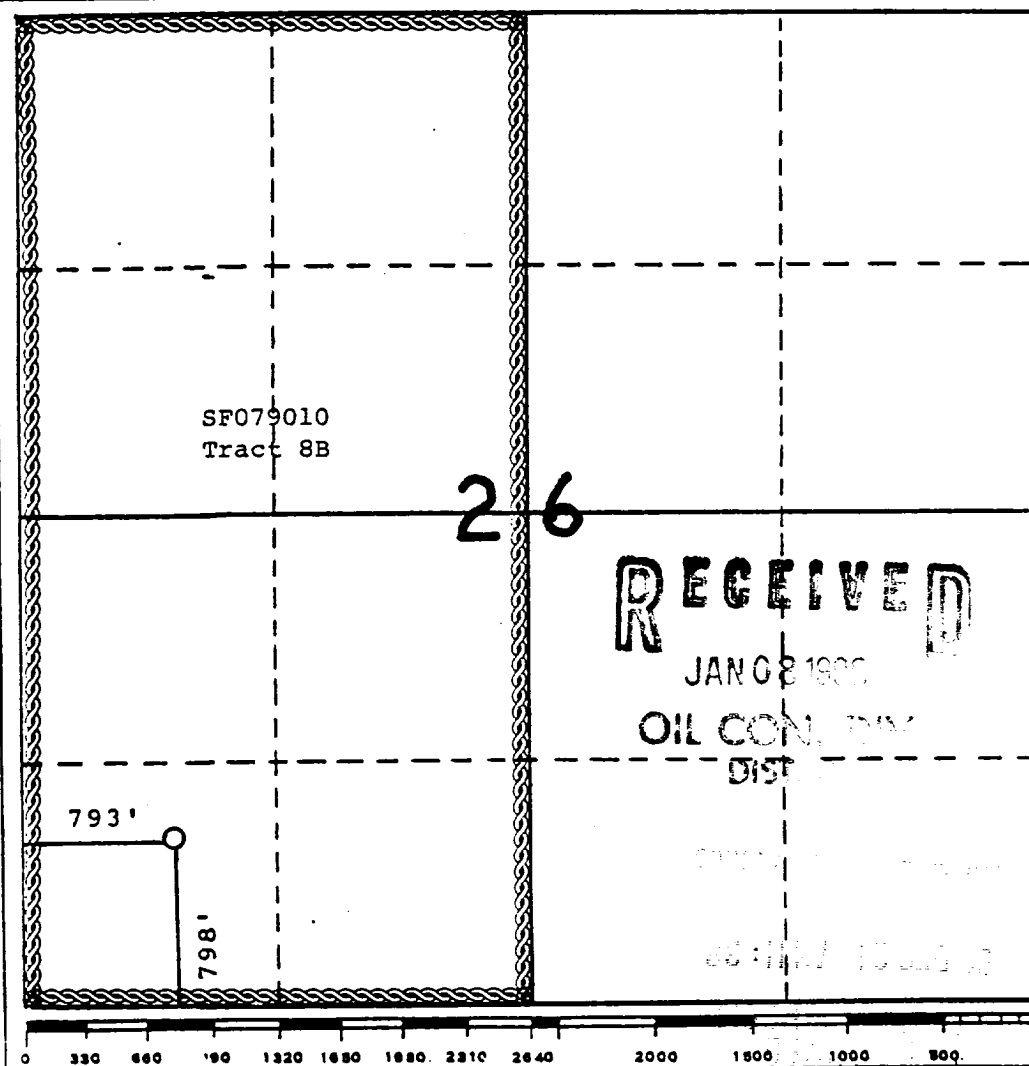
Operator BLACKWOOD & NICHOLS CO., LTD.		Lease NORTHEAST BLANCO UNIT		Well No. 474
Unit Letter M	Section 26	Township 31 North	Range 7 West	County San Juan County
Actual Footage Location of Well: 798 feet from the south line and 793 feet from the west line				
Ground Level Elev: 6265 (U.G.)	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal	Dedicated Acreage: 320 Acres	

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

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 11, 1989

Registered Professional Engineer and/or Land Surveyor

Allison L. Kroeger
Allison L. Kroeger, PLS

Certificate No.
7922

