

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-27720  
5. LEASE DESIGNATION AND SERIAL NO.  
SF079010  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
Northeast Blanco  
8. FARM OR LEASE NAME  
Northeast Blanco Unit  
9. WELL NO.  
444  
10. FIELD AND POOL, OR WILDCAT  
Basin Fruitland Coal  
11. SEC., T., R., M., OR BLE.  
AND SURVEY OR AREA  
A  
Sec. 23, T31N, R7W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐  
FARMHOUSE NEW MEXICO  
SINGLE ZONE ☒ MULTIPLE ZONE ☐

3. NAME OF OPERATOR  
Blackwood and Nichols Co., Ltd.

4. ADDRESS OF OPERATOR  
P.O. Box 1237, Durango, CO 81302-1237

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
1123' FNL - 790' FEL  
At proposed prod. zone  
Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
20 miles NE of Blanco, New Mexico

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 1123'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
350'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6579 (U.G.)

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

11. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36#	300'
8 3/4"	7"	23#	3150'
6 1/4"	5 1/2"	17#	3050'-3525'

14. NO. OF ACRES IN LEASE  
2040.00 2560

15. NO. OF ACRES ASSIGNED TO THIS WELL  
320

16. ROTARY OR CABLE TOOLS  
Rotary

17. QUANTITY OF CEMENT ATTACHED  
295 cuft/circulate to surface

18. QUANTITY OF CEMENT ATTACHED  
940 cuft/circulate to surface

19. QUANTITY OF CEMENT ATTACHED  
39 cuft/circulate 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 a 8 3/4" hole to a TD of 3150' using fresh water mud. No poisonous gases or abnormal pressures 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 3525' 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.

Surface ownership is Bureau Of Land Management

RECEIVED  
APR 1 0 1990

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on existing formation 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. SIGNATURE William F. Blair TITLE Operations Manager DATE 5 Mar '90

(This space for Federal or State office use)

"Approval of this action does

not warrant that the applicant

has any legal or equitable rights

or title to this lease."

APPROVAL DATE

APPROVED  
AS AMENDED

APR 10 1990

AREA MANAGER

\*See Instructions On Reverse Side

RECEIVED  
JUN 11 1964  
U.S. AIR FORCE  
OFFICE OF THE  
JOINT CHIEFS OF STAFF  
WASHINGTON, D.C.

# WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-55

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

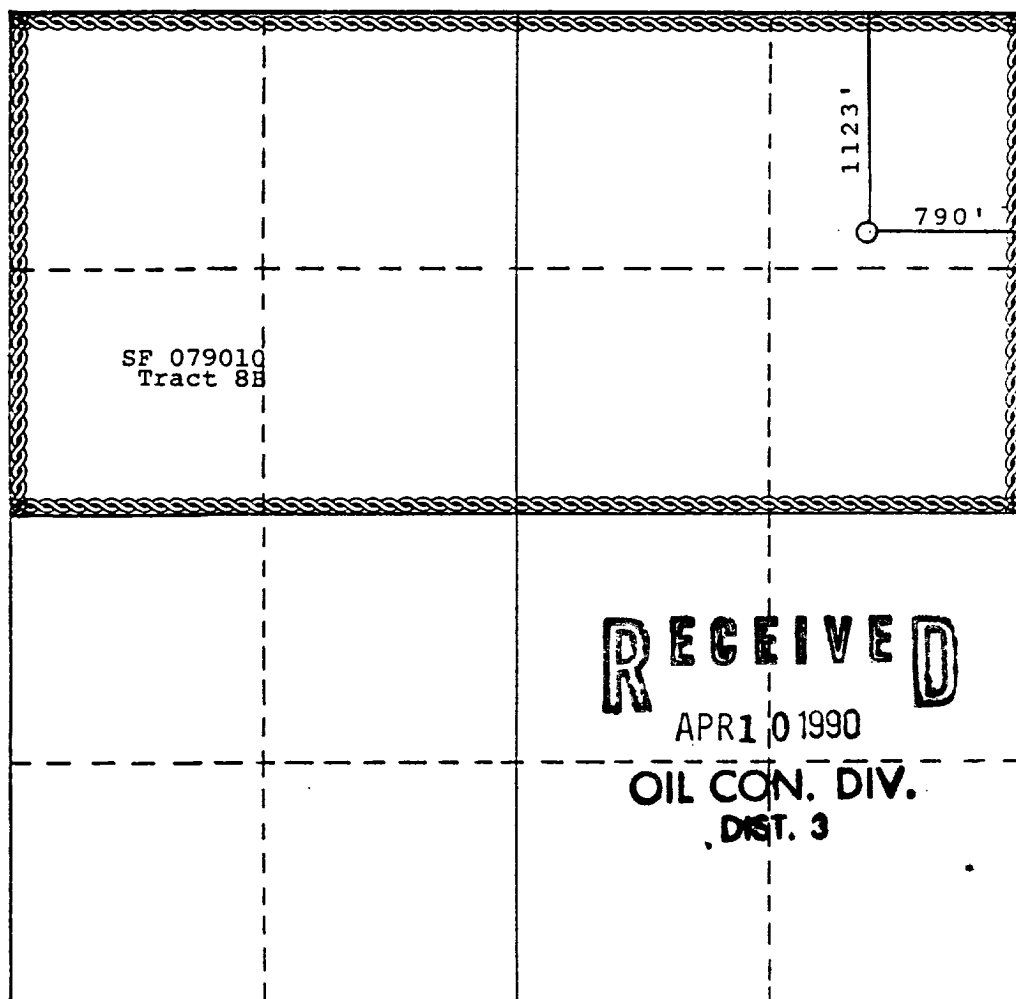
Operator <b>BLACKWOOD &amp; NICHOLS CO., LTD.</b>			Lease <b>NORTHEAST BLANCO UNIT</b>		Well No. <b>444</b>
Unit Letter <b>A</b>	Section <b>23</b>	Township <b>31 North</b>	Range <b>7 West</b>	County <b>San Juan County</b>	
Actual Footage Location of Well: <b>1123</b> feet from the <b>north</b> line and <b>790</b> feet from the <b>east</b> line					
Ground Level Elev: <b>6579 (U.G.)</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal</b>		Dedicated Acreage <b>320</b>	

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 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 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 13, 1989**

Registered Professional Engineer and/or Land Surveyor

*Allison L. Kroeger*  
**Allison L. Kroeger, PLS**

Certificate No.

**7922**

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1000 800 0

