

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SEP 23 1989

API NO. (assigned by OCD on New Wells)

30-045-27488

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

Fee, Tract #48

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

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, CO 81302

8. Well No.

410

9. Pool name or Wildcat

Basin Fruitland Coal

4. Well Location

Unit Letter K : 1545 Feet From The South Line and 1710 Feet From The West Line

Section 9 Township 31N Range 7W NMPM San Juan County

10. Proposed Depth

3566'

11. Formation

Fruitland Coal

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

6655' GL

14. Kind & Status Plug. Bond

15. Drilling Contractor

Unknown

16. Approx. Date Work will start

November 30, 1989

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	36#	300'	250 sx	circulate
8-3/4"	7"	23#	3270'	(A)	circulate
6-1/4"	(B)	(B)	3566'	(B)	(B)

(A) 450 sx of lead, 65/35 POZ + 6% gel + .6% FLA + 1/4 #/sk LCM.
100 sx of tail, neat cement with 1/4 #/sk LCM.

(B) Blackwood & Nichols Co., Ltd. proposes to drill a Fruitland Coal well to further develop the Northeast Blanco Unit. 7" casing will be top set above the coal zones using a low solids mud with sufficient weight for well control. Completion rig will be equipped to drill a 6-1/4" hole with water. The well's natural flow capacity will indicate the need for a 5-1/2", 23 #/ft P-110 uncemented pre-drilled liner, or a 4-1/2" 17#/ft N-80 cemented liner for fracture stimulation.

(C) Attached you will find: 1) C-102; 2) vicinity map; 3) area map; 4) drilling pad and access plat; 5) archaeology survey.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE

William F. Clark

TITLE Operations Manager

DATE 9-26-89

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

OCT 10 1989

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 4-10-90 -
UNLESS DRILLING IS COMMENCED.
SEE NOTICE MUST BE

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

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Santa Fe, New Mexico 87504-2088

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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. 410
Unit Letter K	Section 9	Township 31 North	Range 7 West	County San Juan	
Actual Footage Location of Well: 1545 feet from the South line and 1710 feet from the West line					
Ground level Elev. 6655	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage: 320.00 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

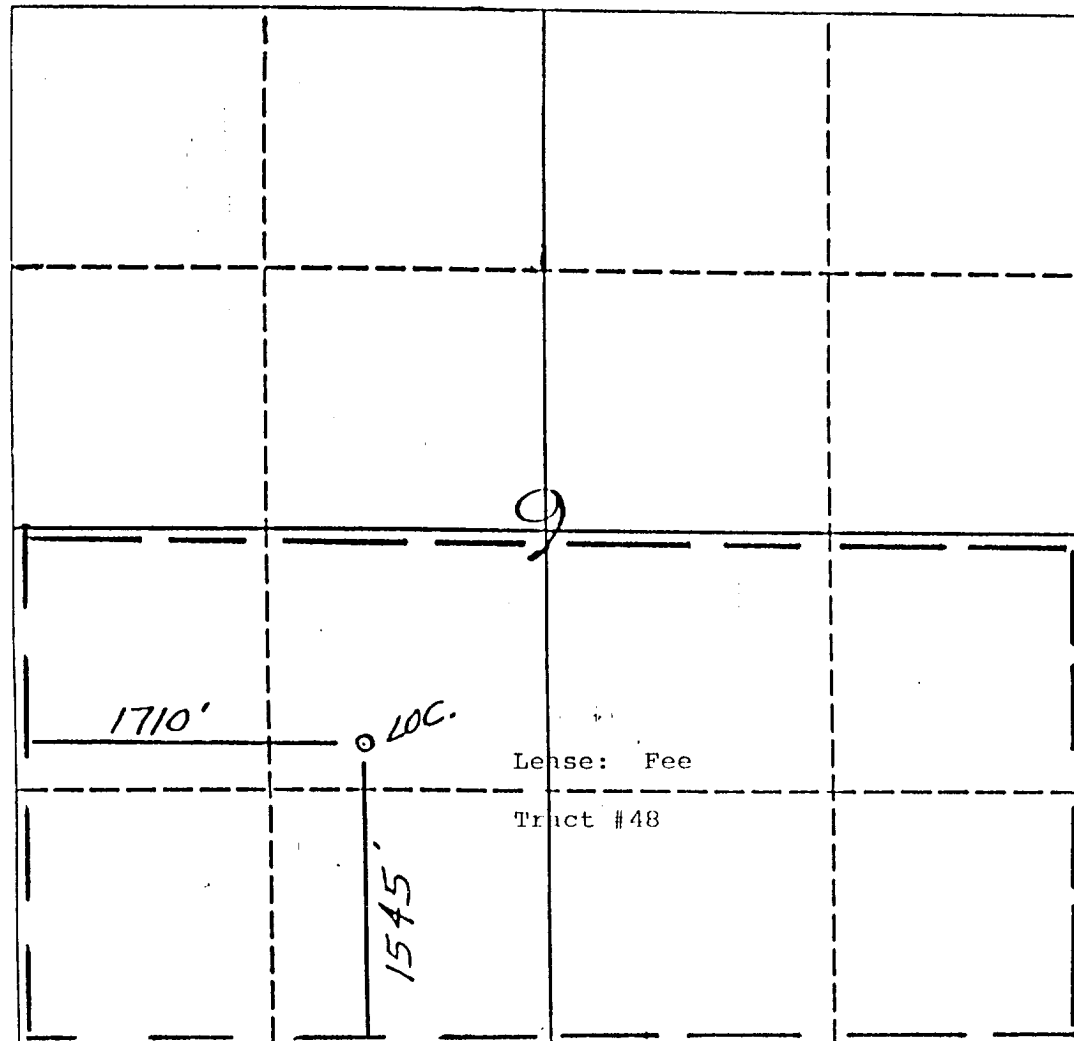
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 N/A

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 best of my knowledge and belief.

William F. Clark
Signature

William F. Clark
Printed Name

Operations Manager
Position

Blackwood & Nichols
Company

Aug. 9, 1989
Date

SURVEYOR CERTIFICATION

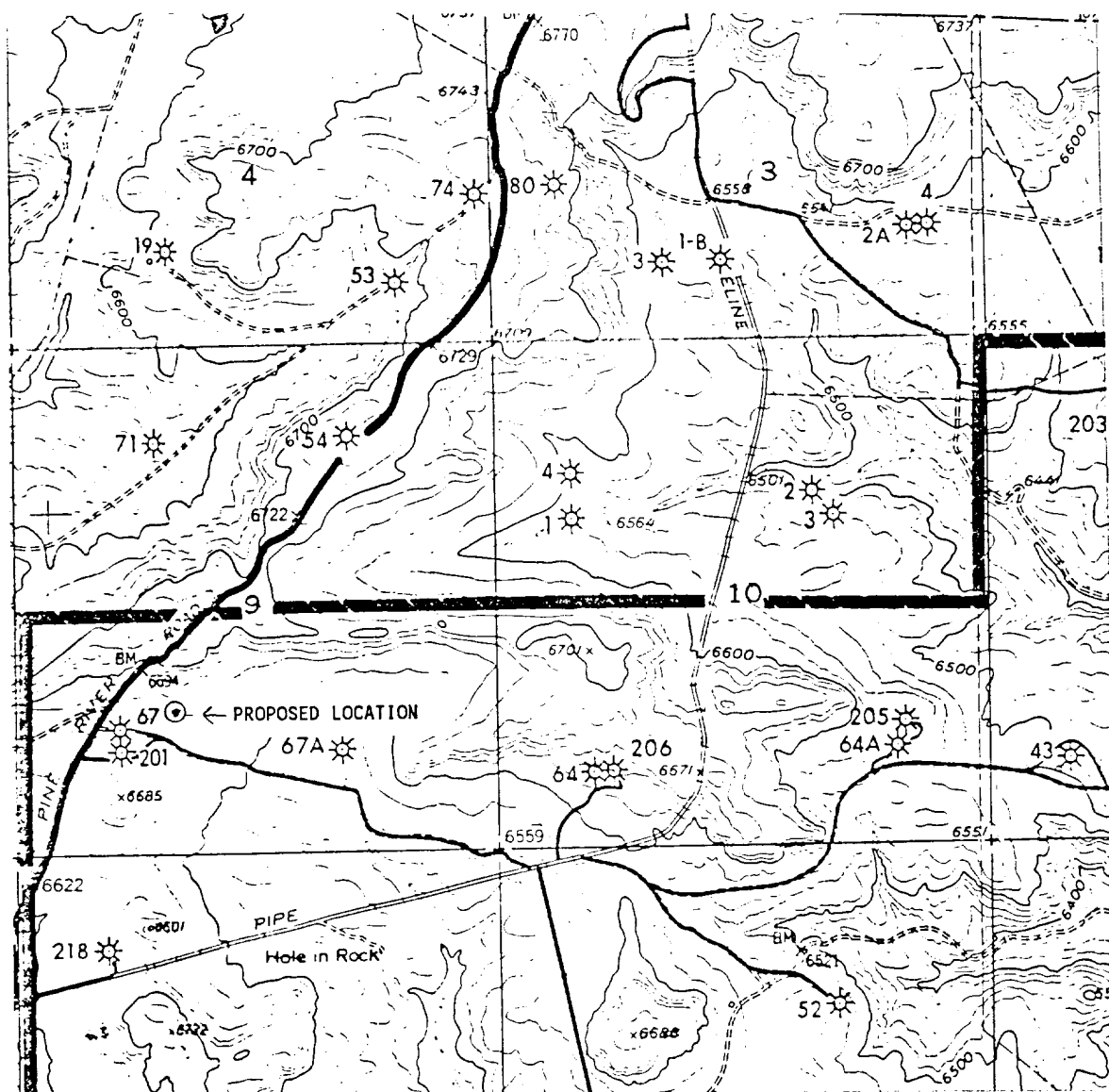
I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys made by me or under supervision, and that the same is true correct to the best of my knowledge and belief.

Date Surveyed
Noble O. Edwards

Signature & Seal of
Professional Surveyor

Noble O. Edwards
Certificate No.

6857



R 7w

VICINITY MAP

Blackwood & Nichols Co., Ltd.
Northeast Blanco Unit No. 410
1545' FSL, 1710' FWL
Section 9, T31N, R7W
San Juan County, New Mexico