

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

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, Artesia, NM 88210

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

API NO. (assigned by OCD on New Wells)
30-139-24460
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-505-6

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Lease Name or Unit Agreement Name Northeast Blanco Unit	
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Well No. 481	
2. Name of Operator Blackwood & Nichols Co., LTD		9. Pool name or Wildcat Basin Fruitland Coal	
3. Address of Operator P.O. Box 1237, Durango, CO 81302-1237			
4. Well Location Unit Letter <u>N</u> : <u>1005</u> Feet From The <u>South</u> Line and <u>1835</u> Feet From The <u>West</u> Line <u>36</u> Section <u>31</u> North Township <u>7</u> West Range <u>NMPM</u> <u>San Juan</u> County			
10. Proposed Depth 3650		11. Formation Basin Fruitland Coal	
12. Rotary or C.T. Rotary			
13. Elevations (Show whether DF, RT, GR, etc.) 6483' GL		14. Kind & Status Plug. Bond Statewide	
15. Drilling Contractor		16. Approx. Date Work will start May 1, 1989	

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#	730'	390/460 cuft to	circulate
8 3/4"	7"	23#	3650'	545/858 cuft to	circulate

Propose to spud in the San Jose formation. Will drill a 12 1/4" hole to a TD of 730'. 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 TD of 3650'. No poisonous gas is anticipated. Weighted mud will be used to drill the Fruitland coals. Logs will be run at TD. Casing will be run and cemented in two stages with cement returns to surface. The drilling rig will be released and a completion unit moved on. Cased hole bond and correlation logs will be run. The Fruitland coal interval will be perforated and frac'd with a fresh water base gel fluid.

RECEIVED

APR 26 1989

OIL CON. DIV.  
DIST. 3

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 April 24, 1989

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY Emilio Bernal TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL DATE 10-32-89  
UNLESS OTHERWISE INDICATED.  
SPUD NOT TO BE SUBMITTED  
WITHOUT APPROVAL

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

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, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

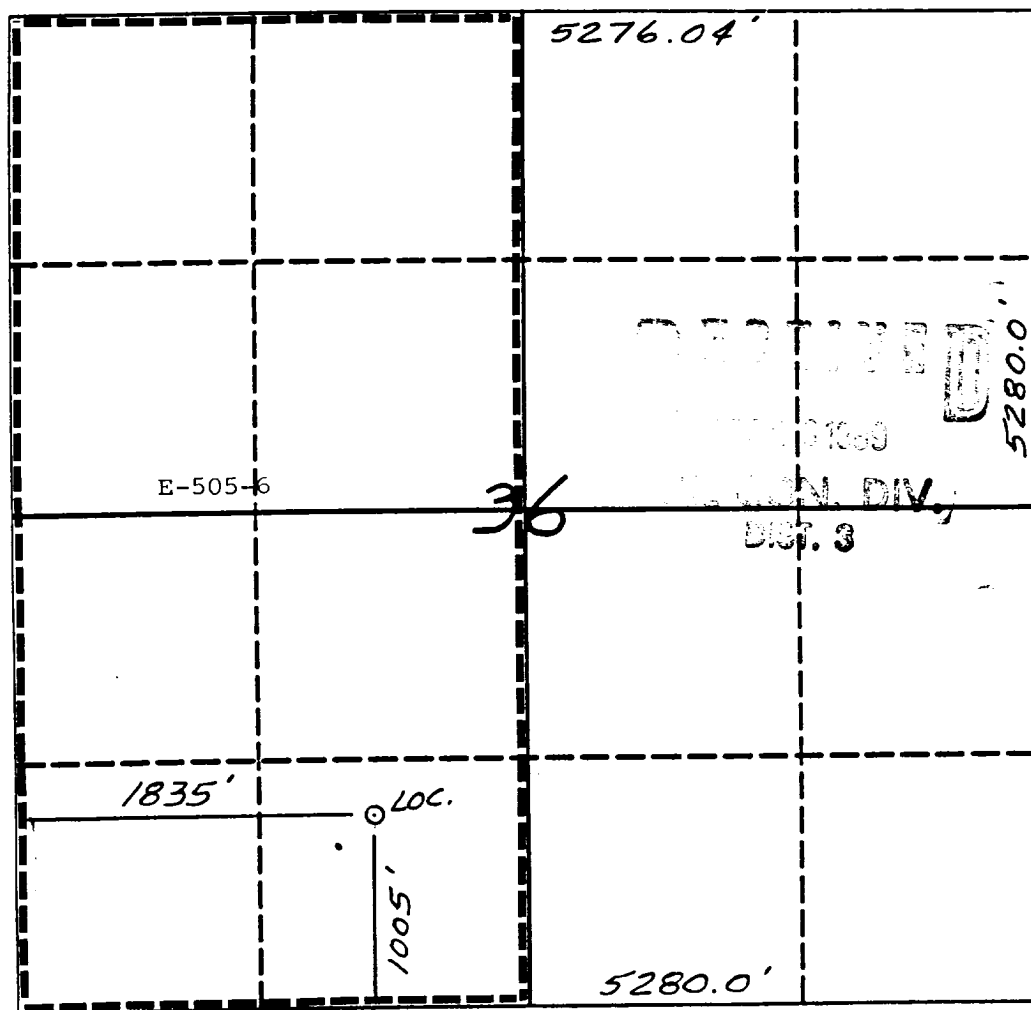
All Distances must be from the outer boundaries of the section

Operator Blackwood & Nichols Co., LTD.			Lease Northeast Blanco Unit		Well No. 481
Unit Letter N	Section 36	Township 31 North	Range 7 West	County Rio Arriba	
Actual Footage Location of Well: 1005 feet from the South line and 1835 feet from the West line					
Ground level Elev. 6483'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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 the best of my knowledge and belief.

Signature  
*William F. Clark*  
Printed Name  
William F. Clark  
Position  
Operations Manager  
Company  
Blackwood & Nichols Co.  
Date  
*April 24, 1989*

SURVEYOR CERTIFICATION

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  
*4-14-89*  
Signature of Seal of Professional Surveyor  
*Neale C. Edwards*  
Certificate No.  
6857

VICINITY MAP

Blackwood & Nichols Co., LTD

Northeast Blanco Unit No. 481

1005'FSL - 1835'FWL

Section 36, T31N, R7W

San Juan Co., New Mexico

Proposed Location: Δ

Existing Access Road: \_\_\_\_\_

Proposed New Access Road: - - - - -

VICINITY MAP  
Blackwood & Nichols Co., LTD  
Northeast Blanco Unit No. 481  
1005'FSL - 1835'FWL  
Section 36, T31N, R7W  
San Juan Co., New Mexico  
Proposed Location:   
Existing Access Road:   
Proposed New Access Road:

VICINITY MAP

Blackwood & Nichols Co., LTD

Northeast Blanco Unit No. 481

1005'FSL - 1835'FWL

Section 36, T31N, R7W

San Juan Co., New Mexico

Proposed Location: Δ

Existing Access Road: \_\_\_\_\_

Proposed New Access Road: - - - - -

VICINITY MAP  
Blackwood & Nichols Co., LTD  
Northeast Blanco Unit No. 481  
1005'FSL - 1835'FWL  
Section 36, T31N, R7W  
San Juan Co., New Mexico  
Proposed Location:   
Existing Access Road:   
Proposed New Access Road:

VICINITY MAP  
Blackwood & Nichols Co., LTD  
Northeast Blanco Unit No. 481  
1005'FSL - 1835'FWL  
Section 36, T31N, R7W  
San Juan Co., New Mexico  
Proposed Location:   
Existing Access Road:   
Proposed New Access Road:

VICINITY MAP  
 Blackwood & Nichols Co., LTD  
 Northeast Blanco Unit No. 481  
 1005'FSL - 1835'FWL  
 Section 36, T31N, R7W  
 San Juan Co., New Mexico  
 Proposed Location:   
 Existing Access Road:   
 Proposed New Access Road:

VICINITY MAP  
 Blackwood & Nichols Co., LTD  
 Northeast Blanco Unit No. 481  
 1005'FSL - 1835'FWL  
 Section 36, T31N, R7W  
 San Juan Co., New Mexico  
 Proposed Location:   
 Existing Access Road: \_\_\_\_\_  
 Proposed New Access Road: -----