

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF079043		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Blackwood & Nichols Co., Ltd.		7. UNIT AGREEMENT NAME Northeast Blanco		
3. ADDRESS OF OPERATOR P.O.Box 1237, Durango, Colorado, 81302-1237		8. FARM OR LEASE NAME Northeast Blanco Unit		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1030'FNL - 1485'FEL At proposed prod. zone same		9. WELL NO. 420		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16 1/2 miles NE of Blanco, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1030'		11. SEC., T., R., M., OR PLK. AND SURVEY OR AREA Sec. 28, T31N, R7W, NMPM		
16. NO. OF ACRES IN LEASE 2314.56		12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 150'		20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED 23. GENERAL REQUIREMENTS", 6378'GL		22. APPROX. DATE WORK WILL START* April 1988		
PROPOSED CASING AND CEMENTING PROGRAM This section is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.				
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 #	2980'	781 cuft to circulate
6 3/4"	5 1/2"	17 #	2880 - 3285'	39 cuft to circulate

Propose to spud in the San Jose formation. Drill a 12 1/4" surface hole to a TD of 300'. Run and cement surface casing, with cement returns to surface. WOC 12 hours. Test to 600 psi. Drill an 8 3/4" hole to a TD of 2980' with fresh water mud. No abnormal pressures or poisonous gases are anticipated. No logs will be run at Intermediate TD. Run and cement intermediate casing, with cement returns to surface. WOC 12 hours. Test to 1500 psi. Drill Fruitland coals with water and air. Mud logger will be run from intermediate TD to TD. Run a 5 1/2" liner. Liner may or may not be cemented, depending on the wells natural producing ability.

Surface is BLM

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. 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. Black Operations Manager DATE April 4, 87

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

NMOCC

RECEIVED

APR 19 1989

OIL CON. DIV.  
DIST. 3APPROVED  
AS AMENDEDAPR 17 1989  
AREA MANAGER

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

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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 <b>Blackwood &amp; Nichols Co. LTD.</b>		Lease <b>Northeast Blanco Unit</b>		Well No. <b>420</b>
Unit Letter <b>B</b>	Section <b>28</b>	Township <b>31 North</b>	Range <b>7 West</b>	County <b>San Juan</b>
Actual Footage Location of Well: <b>1030</b> feet from the <b>North</b> line and <b>1485</b> feet from the <b>East</b> line				
Ground level Elev. <b>6378'</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal</b>	Dedicated Acreage: <b>320</b> Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>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.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation <u>NA</u></p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).</p> <p>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.</p>				
<p><b>5286.6' REC.</b></p> <p><b>RECEIVED</b></p> <p><b>APR 9 1989</b></p> <p><b>OIL CON. DIV.</b></p> <p><b>DIST. 3</b></p> <p><b>28</b></p> <p><b>SF079043</b></p> <p><b>Tract 10</b></p> <p><b>5280.0' REC.</b></p>			<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>William F. Clark</i></p> <p>Printed Name: <b>William F. Clark</b></p> <p>Position: <b>Operations Manager</b></p> <p>Company: <b>Blackwood &amp; Nichols Co.</b></p> <p>Date: <b>April 4, 1987</b></p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>Date Surveyed: <b>3-28-87</b></p> <p>Signature &amp; Seal of Professional Surveyor: <i>Neale C. Edwards</i></p> <p>Certificate No.: <b>6857</b></p>	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

