

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. SF079045	
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 Unit	
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 1095'FSL - 1700'FWL At proposed prod. zone same		9. WELL NO. 422	
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 drilg. unit line, if any) 1700'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T31N, R7W, NMPM	
16. NO. OF ACRES IN LEASE 2056.12		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. 75'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". 6419' GL		22. APPROX. DATE WORK WILL START* April 1, 1989	
23. PROPOSED CASING AND CEMENTING PROGRAM This action 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
12 1/4"	9 5/8"	36 #	300'
7 7/8"	5 1/2"	17 #	3520'
		QUANTITY OF CEMENT	
		207 cuft to circulate	
		1075 cuft to circulate	

Propose to spud in the San Jose formation. Will drill a 12 1/4" hole to a TD of 300'. Surface casing will be run and cemented, with cement returns to surface. WOC 12 hours. Test to 600 psi. Drill a 7 7/8" hole to a TD of 3520' using fresh water mud. No poisonous gases are anticipated. Weighted mud will be used to drill the Fruitland coals. Logs will be run at TD. Production casing will be run and cemented in two stages, with cement returns to surface. Cased hole correlation and bond logs will be run. The Fruitland coals will be perforated and frac'd with a fresh water based gel fluid.

RECEIVED

APR 26 1989

OIL CON. DIV
DIST. 3

Surface 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. 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. SIGNED William F. Black TITLE Operations Manager DATE April 4, 89

(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

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 1-1-39

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

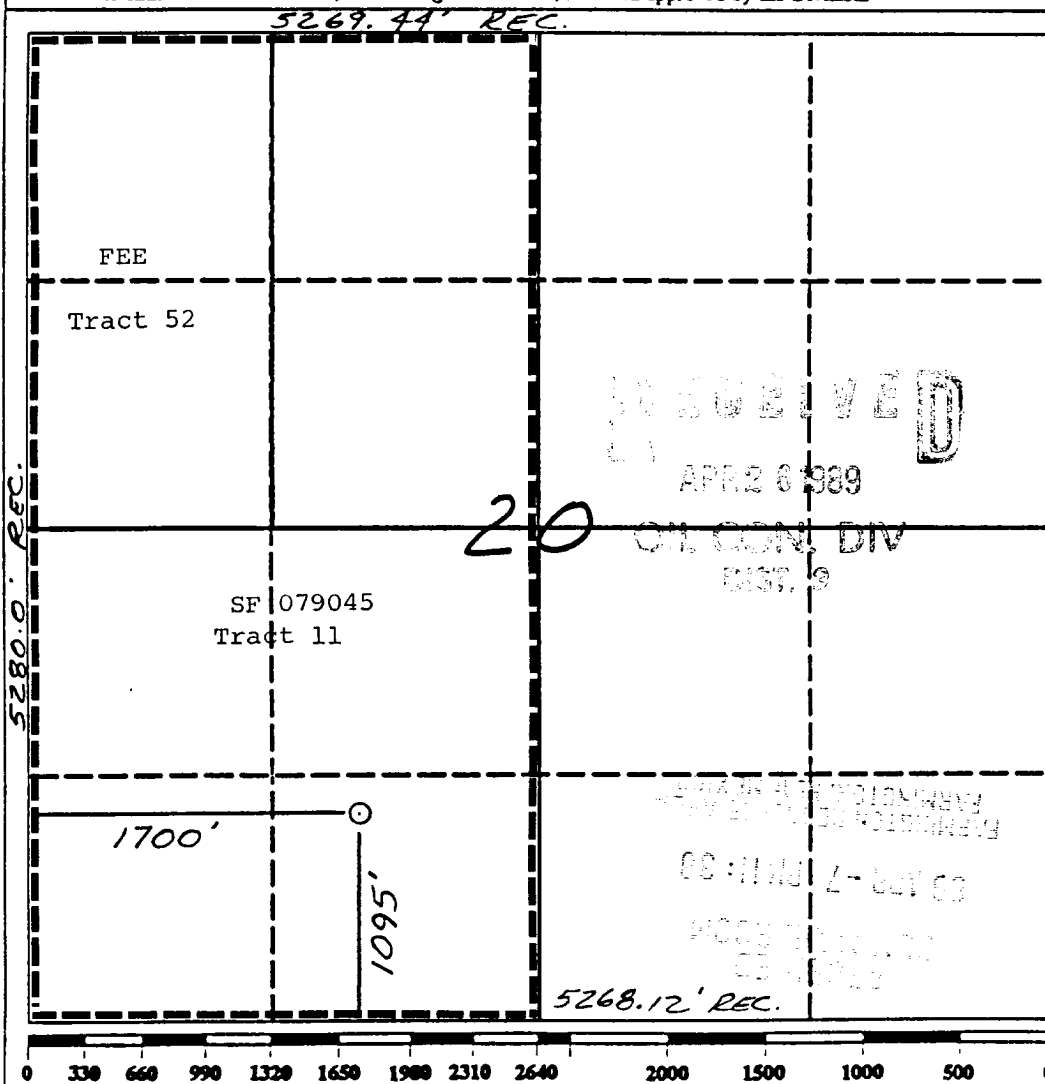
1000 Rio Brazos Rd., Aztec, NM 87410

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. 422
Unit Letter N	Section 20	Township 31 North	Range 7 West	County San Juan	
Actual Footage Location of Well: 1095 feet from the South line and 1700 feet from the West line					
Ground level Elev. 6419'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hectare 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 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

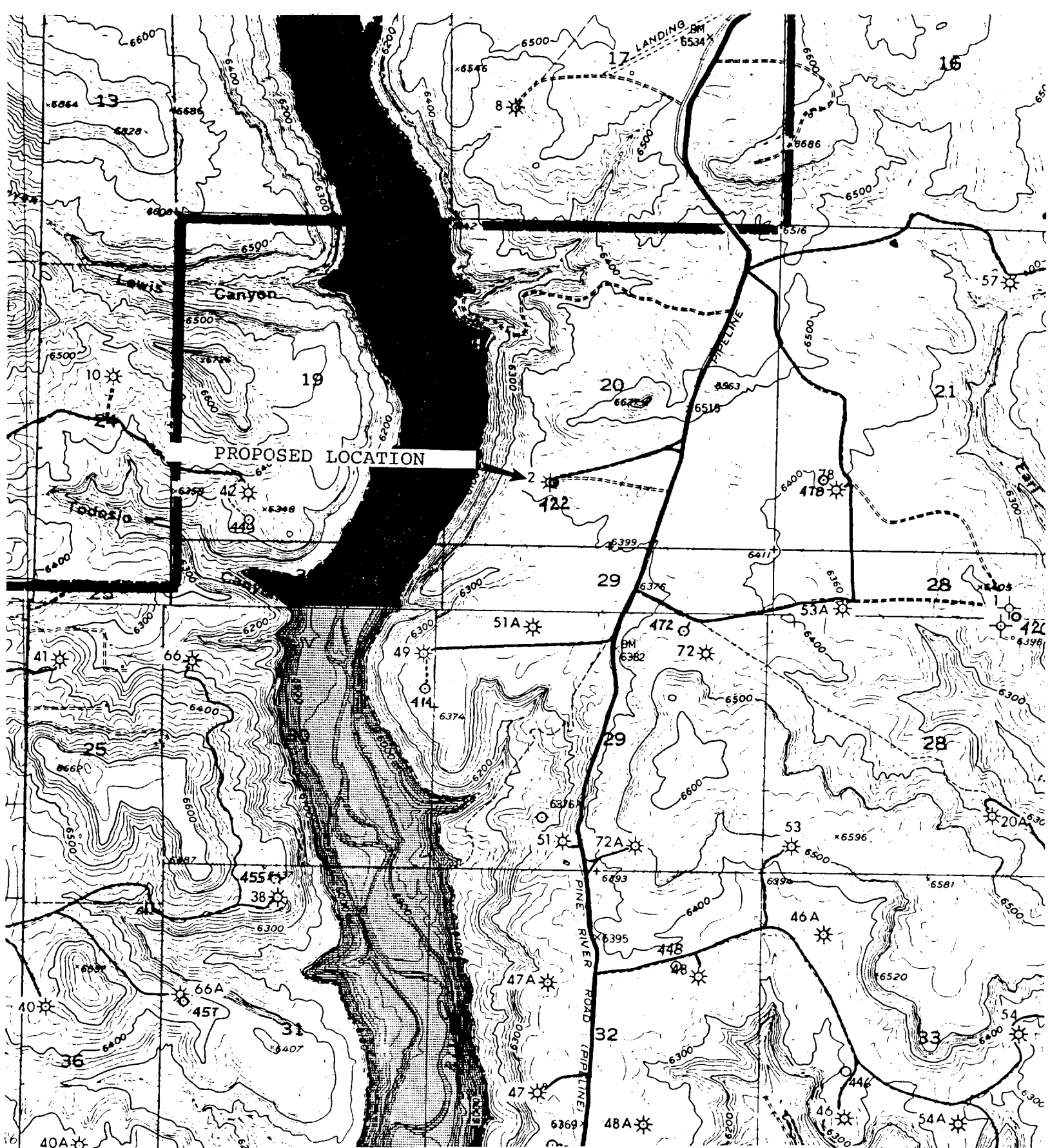
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
William F. Clark
Printed Name
William F. Clark
Position
Operations Manager
Company
Blackwood & Nichols Co.
Date
April 9, 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
April 9, 1989
Signature & Seal of Professional Surveyor
Neale C. Edwards
Certificate No.
6857



VICINITY MAP
 Blackwood & Nichols Co., Ltd.
 Northeast Blanco Unit No. 422
 1095' FSL - 1700' FWL
 Section 20, T31N, R7W
 San Juan Co., New Mexico