

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. SF 079001-A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Blackwood & Nichols Co., Ltd.		7. UNIT AGREEMENT NAME NEBU No 1, Sec 929	
3. ADDRESS OF OPERATOR P.O. Box 1237 Durango, CO 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 1470' FNL, 1450' FEL At proposed prod. zone		9. WELL NO. 411	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles		10. FIELD AND POOL, OR WILDCAT Fruitland Coal	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 10 G-8-30N-7W	
16. NO. OF ACRES IN LEASE 639.13		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3160'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6265' U.G.		22. APPROX. DATE WORK WILL START* April 22, 1988	
23. PROPOSED CASING AND CEMENTING PROGRAM This action is subject to technical and procedural review pursuant to 49 CFR 3165.3 and appeal pursuant to 49 CFR 3165.4. DRILLING OPERATIONS A "MINOR" AND SUBJECT TO GENERAL REGULATION ATTACHED.			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36.0#	300'
8 3/4"	7"	23.0#	2930'
6 1/4"	5 1/2" liner	23.0#	2800-3160'
QUANTITY OF CEMENT		Circulate (325 cf)	
Circulate or (800 cf)		Cover OjoAlamo	
Not cemented			

Blackwood & Nichols Co., Ltd. proposes to drill this Fruitland Coal well to further develop the Northeast Blanco Unit. This APD requests right of way for the pipeline. A Notice of Staking for this well was submitted on March 22, 1988.

Attached: Onshore Drilling Program and Surface Use Program

IN ADDITIONAL 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 prevention program, if any.

24. SIGNED William F. Clark TITLE Operations Manager DATE March 28, 1988

(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

James E. Edwards Jr.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

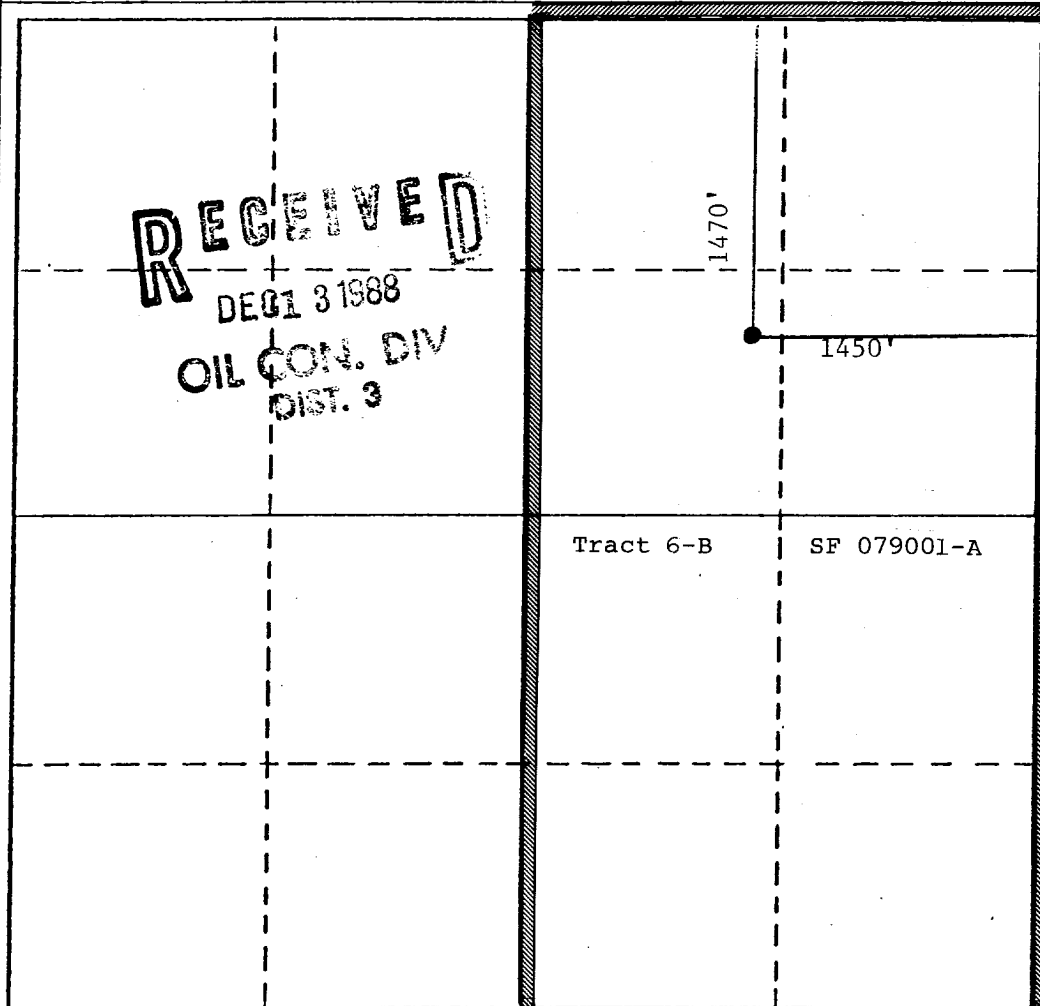
Operator BLACKWOOD & NICHOLS CO., LTD.			Lease NORTHEAST BLANCO UNIT		Well No. 411
Unit Letter G	Section 10	Township 30 North	Range 7W, NMPM	County San Juan Rio Arriba	
Actual Footage Location of Well: 1470 feet from the north line and 1450 feet from the east line					
Ground Level Elev. 6265 (U.G.)	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal Gas		Dedicated Acreage: 320 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 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 Division.



CERTIFICATION

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

W. F. Clark

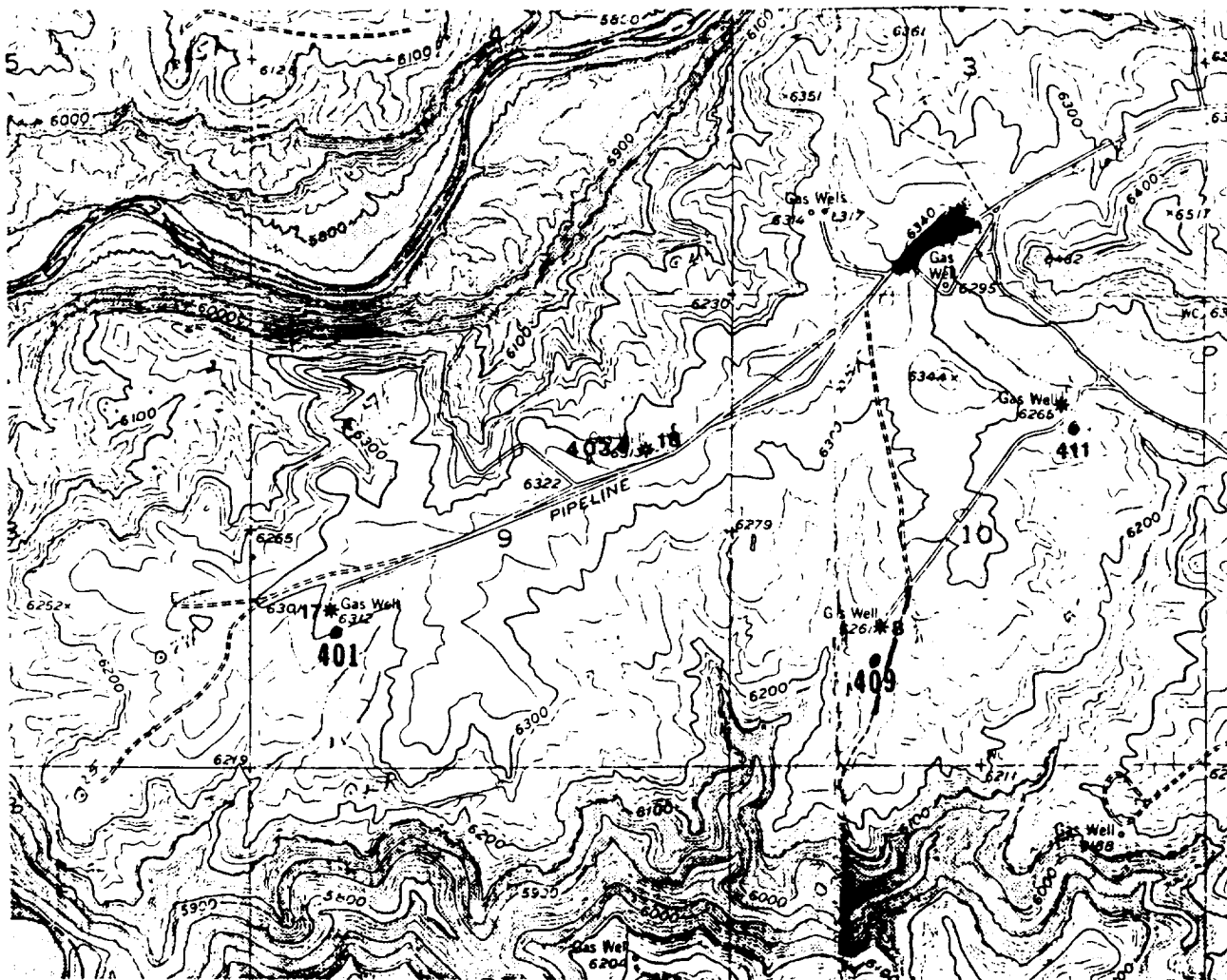
Name	William F. Clark
Position	Operations Manager
Company	Blackwood & Nichols Co., Ltd.
Date	November 8, 1988

I hereby certify that the well location shown on this plot 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	March 15, 1988
Registered Professional Engineer and/or Land Surveyor	Allison L. Kroeger, PLS

Certificate No.
7922

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



NEBU 401

- 1) Min. Road is required.

NEBU 403

- 2)

NEBU 409

- 3)



NEBU 411

- 4) Sets next to existing road. Min. road required.

BLACKWOOD & NICHOLS CO., LTD.

Figure II VICINITY MAP
for

NORTHEAST BLANCO UNIT Nos. 401, 403, 409, 411

Date: March, 1988

Scale: 1"=2000'

KROEGER & ASSOCIATES
DURANGO, COLO.