

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-27582
5. NAME DESIGNATION AND SERIAL NO.
NM03356

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

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, Colorado, 81302-1237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

890' FSL - 790' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19 miles NE of Blanco New Mexico

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

790'

16. NO. OF ACRES IN LEASE

840.00

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

400'

19. PROPOSED DEPTH

3439'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6534' GL

22. APPROX. DATE WORK WILL START

January 5, 1990

23. ATTACHED

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300'	250 sxs. (295 cuft)
8 3/4"	7"	23#	3126'	555 sxs. (940 cuft)
6 1/4"	5 1/2"	17#	3026' - 3439'	30 sxs. (39 cuft)

Propose to spud in the San Jose formation. Will drill a 12 1/4" hole to a TD of 300'. Run and cement surface casing with cement returns to surface. WOC 12 hours. Test to 600 psi/30 mins. Drill an 8 3/4" hole to a TD of 3126' using fresh water mud. No abnormal pressures or poisonous gases are anticipated. Run and cement intermediate casing with cement returns to surface. WOC 12 hours. Test to 1500 psi/30 mins. Drill a 6 1/4" hole through the Fruitland coals with water and air. Run a 5 1/2" production liner. The liner will not be cemented if a natural flow is encountered. If no natural flow is encountered, the liner will be cemented and the Fruitland coals will be perforated and fraced using a fresh water base gel fluid.

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 production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow prevention program, if any.

24.

SIGNED

William F. Clark

TITLE

Operations Manager

DATE

19 Dec '89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

JAN 16 1990

Steve Denke
AREA MANAGER

*See Instructions On Reverse Side

NMOOD

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 1-1-55

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

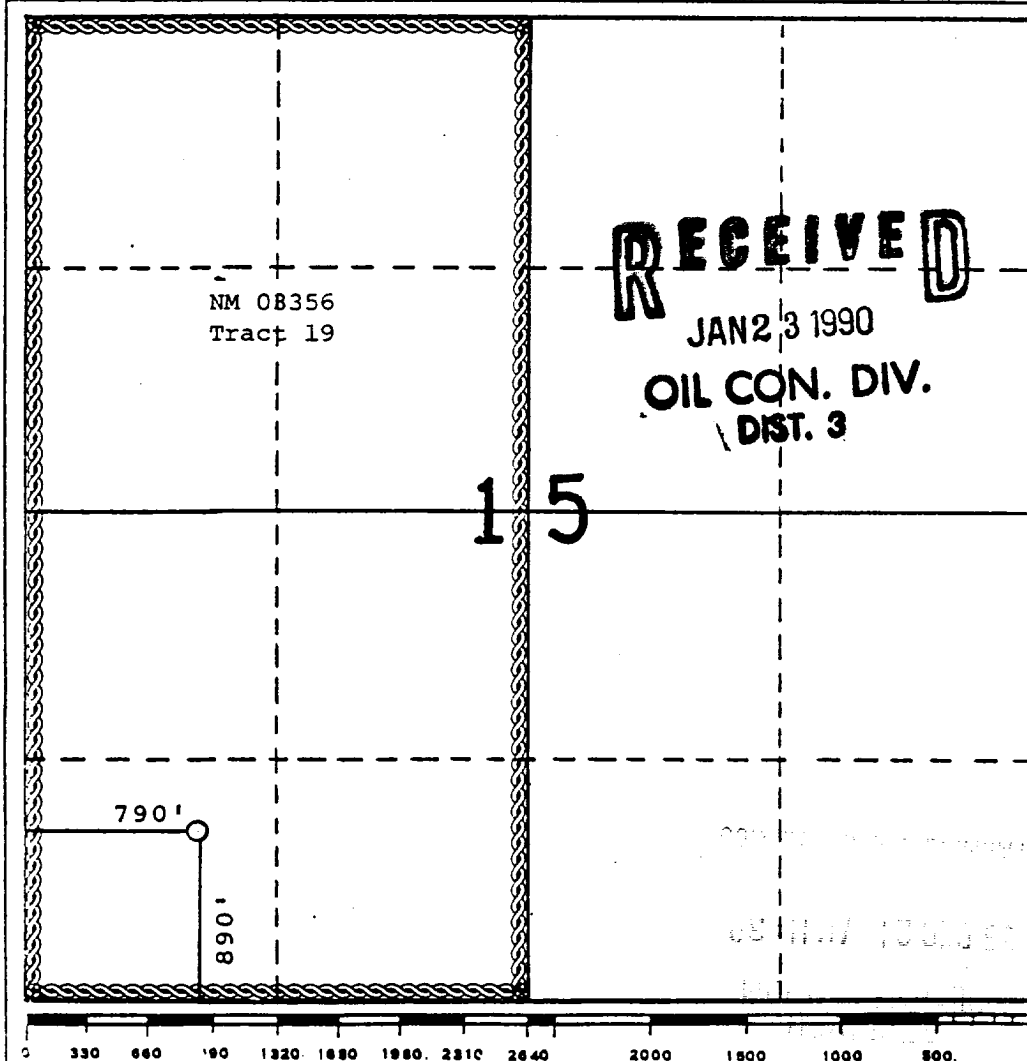
Operator BLACKWOOD & NICHOLS CO., LTD.		Lease NORTHEAST BLANCO UNIT		Well No. 482
Unit Letter M	Section 15	Township 31 North	Range 7 West	County San Juan County
Actual Footage Location of Well: 890 feet from the south line and 790 feet from the west line				
Ground Level Elev: 6534 (U.G.)	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal		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 _____

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 Commission.



CERTIFICATION

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

William F. Clark

Name
William F. Clark

Position
Operations Manager

Company
Blackwood & Nichols Co.

Date
December 7, 1989

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
November 9, 1989

Registered Professional Engineer
and/or Land Surveyor

Allison L. Kroeger
Allison L. Kroeger, PLS

Certificate No.
7922

