

Bugyncw

Form D-511 (1-1983)

UBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R142

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30-045-28320

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
2. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐
SINGLE ZONE ☒ MULTIPLE ZONE ☐

3. NAME OF OPERATOR
Blackwood & Nichols Co., LTD.

4. ADDRESS OF OPERATOR
P.O. Box 1237 Durango, Colorado 81302-1237

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1741' FNL - 379' FWL
At proposed prod. zone
2135' FSL - 917' FWL

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
17 miles NE of Blanco, New Mexico

7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)
Bottom hole= 917'
Surface= 379'

8. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1320'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)
6295' UGL

10. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36#	300'
8 3/4"	7"	23#	2760' TVD
6 1/4"	5 1/2"	17#	3178' TVD

Propose to spud in the San Jose formation. Drill a 12 1/4" vertical surface hole to TD of 300'. Run and cement surface casing with cement returns to surface. WOC 12 hours. Test to 1000 psi/30 mins. Drill a 8 3/4" directional hole from under surface at a build angle of approx. 9°/100' to approx. 57°. Hold that angle to a point which will allow a 3,5° drop angle per 100' back to vertical at 2560' TVD, set 7" casing at 2760' TVD, with a 1500' horizontal displacement. Fresh water mud will be used. 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 for 30 min. Drill a 6 1/4" vertical hole to a TD of 3178' using air and water. A mud logging unit will be used while drilling this interval. Run the production liner. The production liner will be cemented if fracture stimulation is necessary.

Surface ownership is Bureau of Reclamation

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 preventer program, if any.

11. SIGNED R.M. McWhorter TITLE Administrative Manager DATE 7/24/90

(This space for Federal or State office use)

PERMIT NO. SEP 24 1990 APPROVAL DATE

APPROVED BY SEP 24 1990 TITLE

CONDITIONS OF APPROVAL, IF ANY:

OIL CON. DIV.

DIST. 3

NMOCD

See Instructions On Reverse Side

Hand C-104711 (5)

12. LEASE DESIGNATION AND SERIAL NO

SF079003

13. IF INDIAN, ALLOTTEE OR TRIBE NAME

14. UNIT AGREEMENT NAME

Northeast Blanco

15. FARM OR LEASE NAME

Northeast Blanco Uni

16. WELL NO.

404R

17. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coa

18. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 34, T31N, R7W

19. COUNTY OR PARISH 20. STATE

San Juan NM

21. NO. OF ACRES IN LEASE

2560.00

22. NO. OF ACRES ASSIGNED TO THIS WELL

W/320

23. ROTARY OR CABLE TOOLS

Rotary

24. APPROX. DATE WORK WILL START

September 1, 1990

25. DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS"

259 cuft/circ to surface

1100 cuft/circ to surface

39 cuft/circ to liner top

(Cement is optional)

Submit to Administrator
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

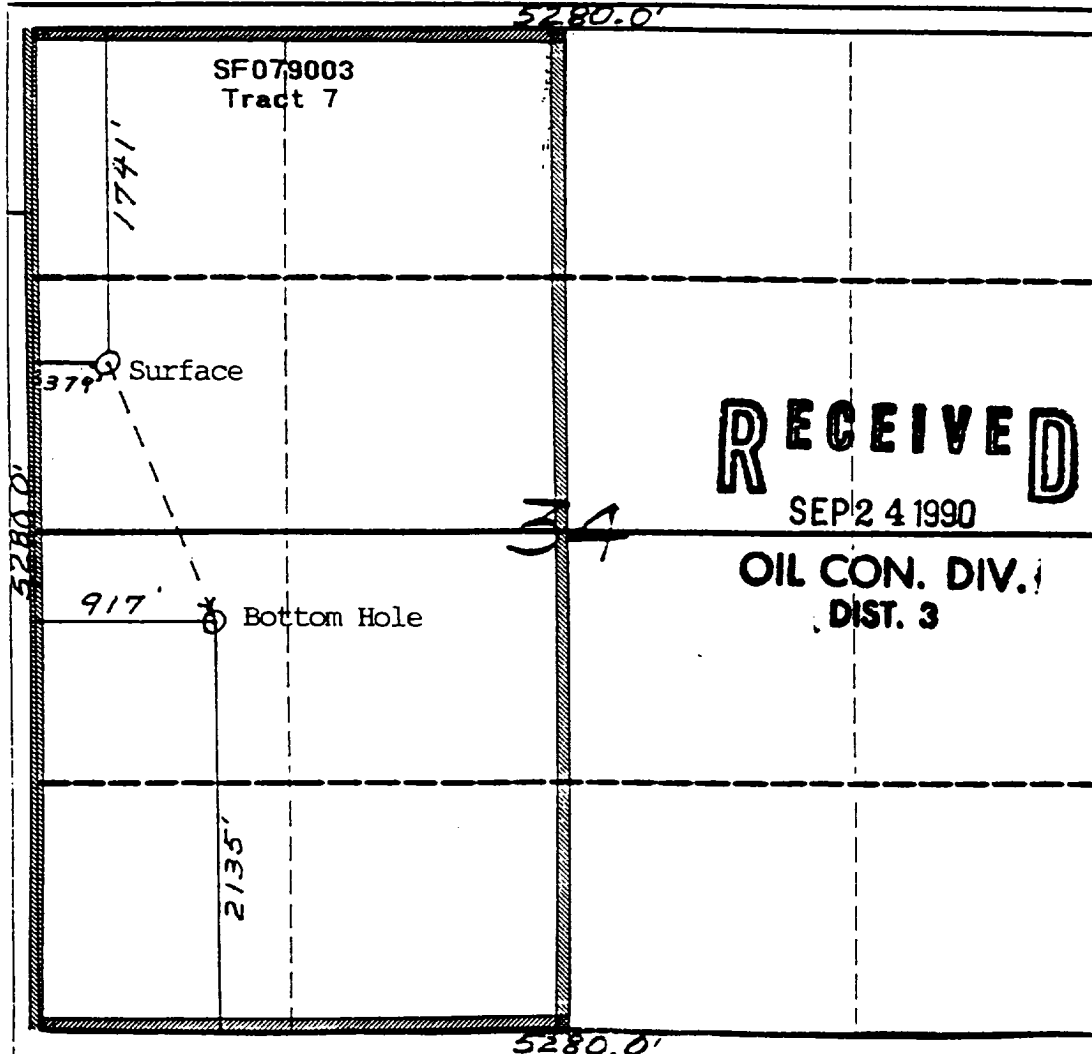
1000 Rio Grande Rd., Aztec, NM 87410

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.	404R	
Unit Letter	Section	Township	Range	County					
A E	34	31 North	7 West	SAN JUAN					
ACRES FOOTAGE LOCATION OF WELL: Bottom Hole: 917' FWL - 2135' FSL									
Surface: 379' West from the West line and 1741' East from the North line									
Current Level Elev. 6295' Processing Formation Fruitland Coal Pool Basin Fruitland Coal Dedicated Acreage 320 Acres									

- Outline the acreage dedicated to the subject well by colored pencil or marker marked on the plat paper.
- 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 commutation, unitization, joint-venturing, 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 allowance will be assigned to the well until all interests have been consolidated (by commutation, unitization, joint-venturing, or otherwise) or until a non-standard unit, satisfying state mineral, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature R.W. Williams

Printed Name R. W. Williams

Position Administrative Manager

Company Blackwood & Nichols C

Date 7/24/90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, aerial 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 6-27-90

Signature of Surveyor [Signature]

Professional Surveyor [Stamp]

