

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 81301

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

At surface

920' F/NL - 1850' F/EL

At proposed prod. zone

Same

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

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)

See attached map

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. See attached map

16. NO. OF ACRES IN LEASE

2,396.77

19. PROPOSED DEPTH

5,950'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

6450' UG

22. APPROX. DATE WORK WILL START*

June 1, 1977

23.

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"	36.00#	275'	Circulate to surface
8-3/4"	7"	23.00#	3650'	Cement to 1800'
6-1/4"	4-1/2"	10.50#	5950'	Cement to 3100'

We propose to perforate the Mesaverde Zone and sand-water fracture with approximately 125,000 gals. water and 100,000 lbs sand; we propose to drill Well No. 65 to prevent reservoir drainage to the NE/4, Sec. 11-31N-7W.

Estimated top: Fruitland 2945'; Lewis 3510'; Cliffhouse 5350'; Point Lockout 5720'; Mancos 5900'.

A 3000 PSI, WP; 6000 PSI test series 10" - 900 - adapted to series 10" - 600 and 6" - 600. Hydraulic blowout preventer equipped with blind and necessary pipe rams will be used with adequate kill and bleed off lines. A mud of sufficient weight (12.5#) to control the Fruitland will be used; well to be drilled with gas below 7" casing.

Standard Gamma-neutron logs will be run.

Blow out preventers will be tested every trip.

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 DeLasso LoosTITLE District ManagerDATE 4-15-77

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-
Effective 1-1-

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

Operator BLACKWOOD & NICHOLS		Lease NORTHEAST BLANCO UNIT		Well No. 65
Unit Letter B	Section 11	Township 31 N.	Range 7W.N.M.P.M	County SAN JUAN
Actual Footage Location of Well: 920 feet from the north line and 1850 feet from the east line				
Ground Level Elev: 6450 UG	Producing Formation Mesaverde	Pool Blanco Mesaverde	Dedicated Acreages E/320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Commission.

CERTIFICATION

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

Name

DeLasso Loos

Position

District Manager

Company

Blackwood & Nichols Co., Ltd.

Date

April 13, 1977

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.

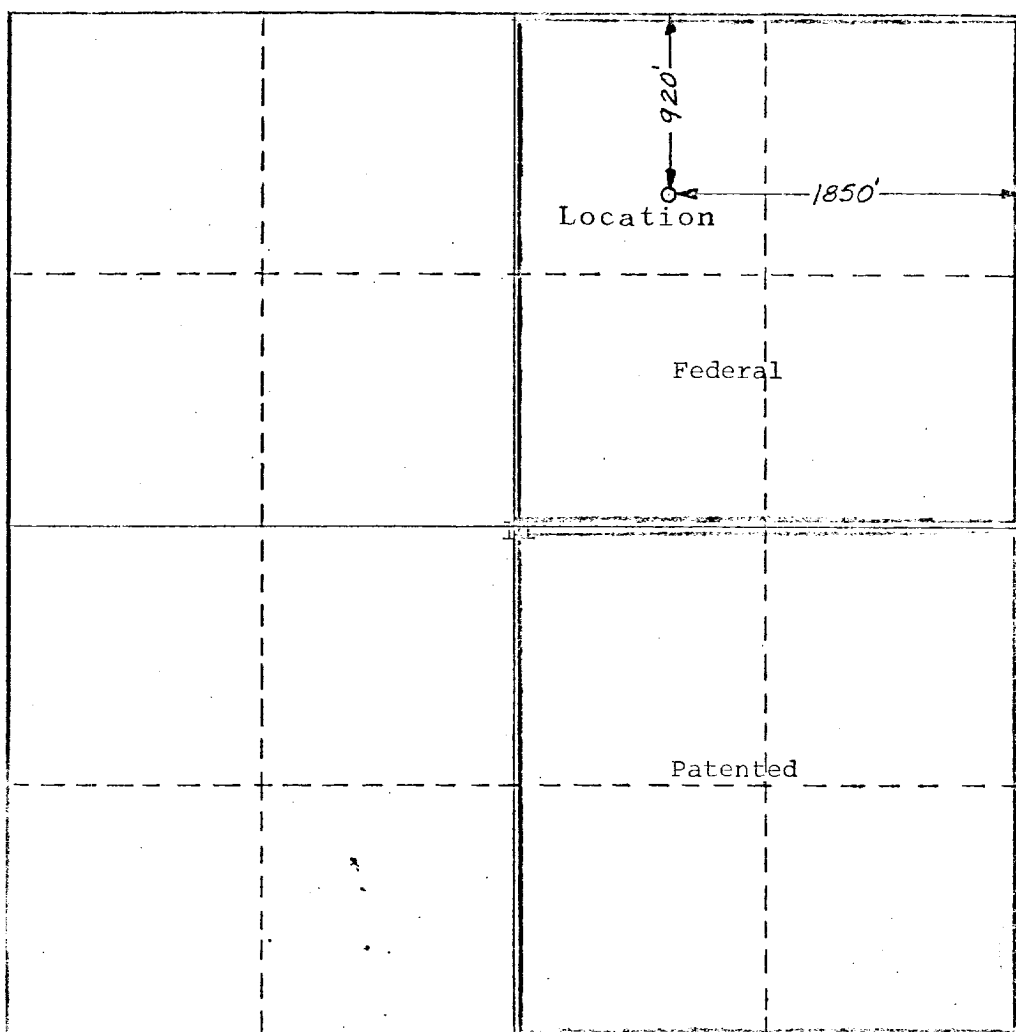
April 13, 1977

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

John A. Kroeger, L.S.
Cert. No. 1941

Certificate No.



0 330 660 990 1320 1650 1980 2310 2640 2970 3300 0

BLACKWOOD & NICHOLS Co., Ltd.

P. O. BOX 1237

DURANGO, COLORADO 81301

(303) 247-0728

April 15, 1977

United States Geological Survey
P. O. Box 189
Durango, Colorado 81301

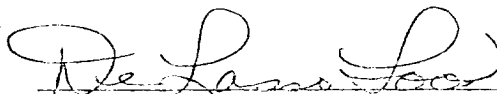
Gentlemen:

Blackwood & Nichols Company, as operator of the Northeast Blanco Unit, proposes to drill Northeast Blanco Unit Well No. 65 to the Mesaverde Zone, located 920' F/NL - 1850' F/WL, Sec. 11-31N-7W, N.M.P.M., San Juan County, New Mexico.

Attached are maps and other data pertinent to the Development Plan for Surface Use.

- I. Existing roads: See attached U.S.G.S. topographic map.
- II, III, IV, VI, and IX: See attached maps.
- V. Water will be hauled by truck transport from the San Juan River, approximately four miles southwest of the location.
- VII. Waste material will be placed in a reserve pit and later buried or burned.
- VIII. Camp or airstrip will not be necessary.
- IX. See attached map of well site layout. (Not to scale)
- X. Upon completion the location will be leveled to its original state. The access road will remain. The location will be seeded, as per the Bureau of Land Management requirements.
- XI. The location is relatively level and covered with Cedar and Pinon trees which will be disposed of as per the Bureau of Land Management requirements; an archaeological clearance will be obtained.
- XII. DeLasso Loos, 1032½ Main Street, Durango, Colorado 81301; Telephones: Office: 303-247-0728; Home: 303-247-2345.
- XIII. I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Blackwood & Nichols Company and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Date 4-15-77



DeLasso Loos, District Manager

DL:lr
Attachments

APR 15 1977

U. S. GEOLOGICAL SURVEY

DURANGO

BLACKWOOD & NICHOLS CO., LTD.
Northeast Blanco Unit No. 65
920' F/NL - 1850' F/EL, Sec. 11-31N-7W
San Juan County, New Mexico

