

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-042-23485

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

990' F/NL - 1490' F/WL

At proposed prod. zone

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 drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

2396.77 Ac

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

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

19. PROPOSED DEPTH

3720'

20. ROTARY OR CABLE TOOLS

Rotary

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

6546' GL

22. APPROX. DATE WORK WILL START*

May 25, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36.00#	250'	Circulate
7-7/8"	4-1/2"	10.50#	3720'	Cement to 2000'

We propose to perforate the Pictured Cliffs-Fruitland Zones and foam fracture with 30,000 gallons water and 140,000 lbs. sand in one stage. Fruitland 2980', Pictured Cliffs 3370', Lewis 3570'. A 3000 PSI WP; Series 10" - 900 adapted to Series 10" - 600 hydraulic blowout preventer equipped with blind and necessary pipe rams with adequate kill and bleed off lines will be used.

A mud of sufficient weight to control the Fruitland Formation will be used.

Blow out preventers will be tested every trip.

gas dedicated

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.

SIGNED R. Lasso Loos TITLE District Manager DATE April 19, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ok Erik

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

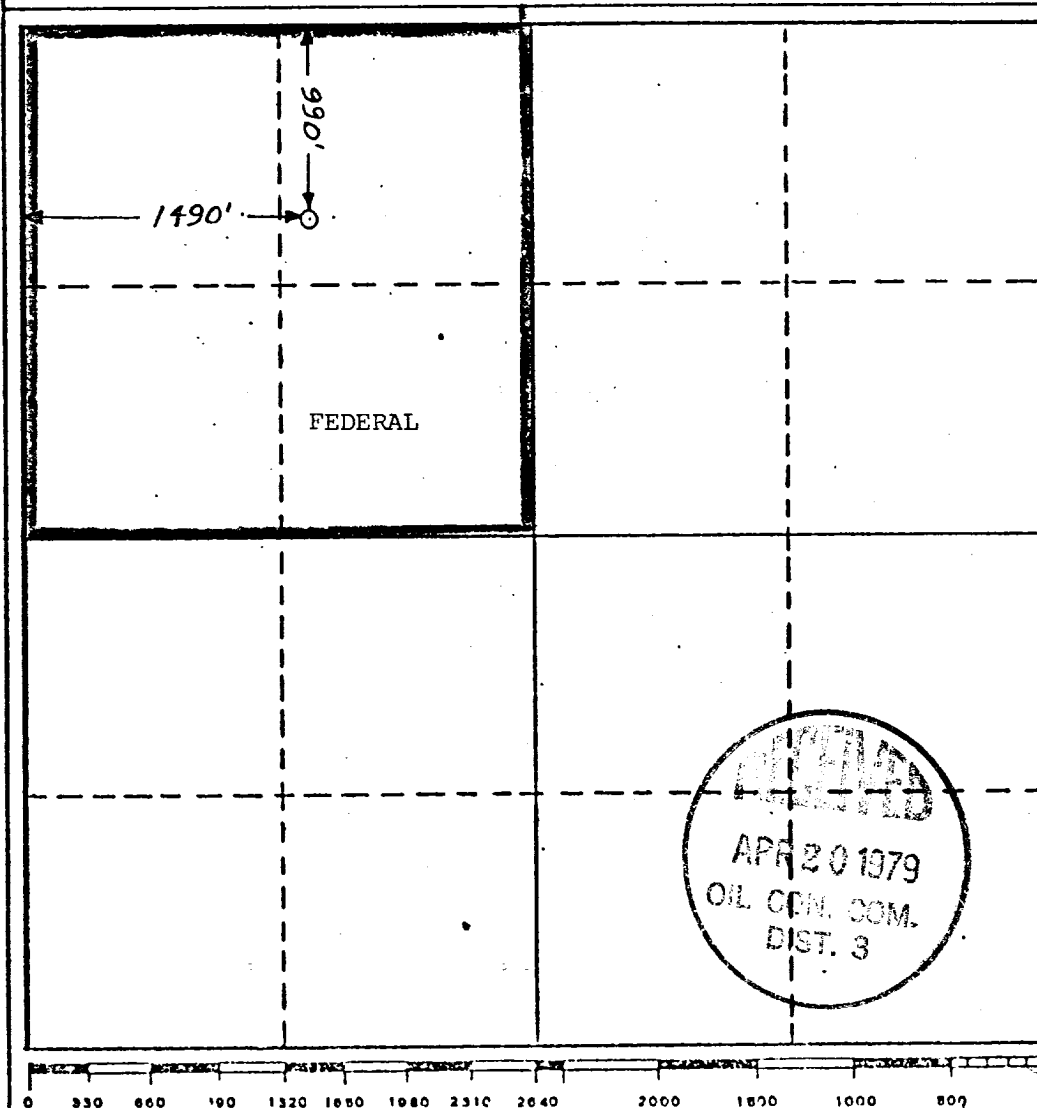
Operator BLACKWOOD & NICHOLS			Lease NORTHEAST BLANCO UNIT		Well No. 203
Unit Letter C	Section 11	Township 31 N.	Range 7W., N.M.P.M.	County SAN JUAN	
Actual Footage Location of Well: 990 feet from the north line and 1490 feet from the west line					
Ground Level Elev. 6546	UG	Producing Formation Pictured Cliffs	Pool South Los Pinos Pictured Cliffs	Dedicated Acreage: 160 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 Commission.



CERTIFICATION

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

DeLasso Loos

Name
DeLasso Loos
Position
District Manager
Company
Blackwood & Nichols Co., Ltd.

Date
April 19, 1979

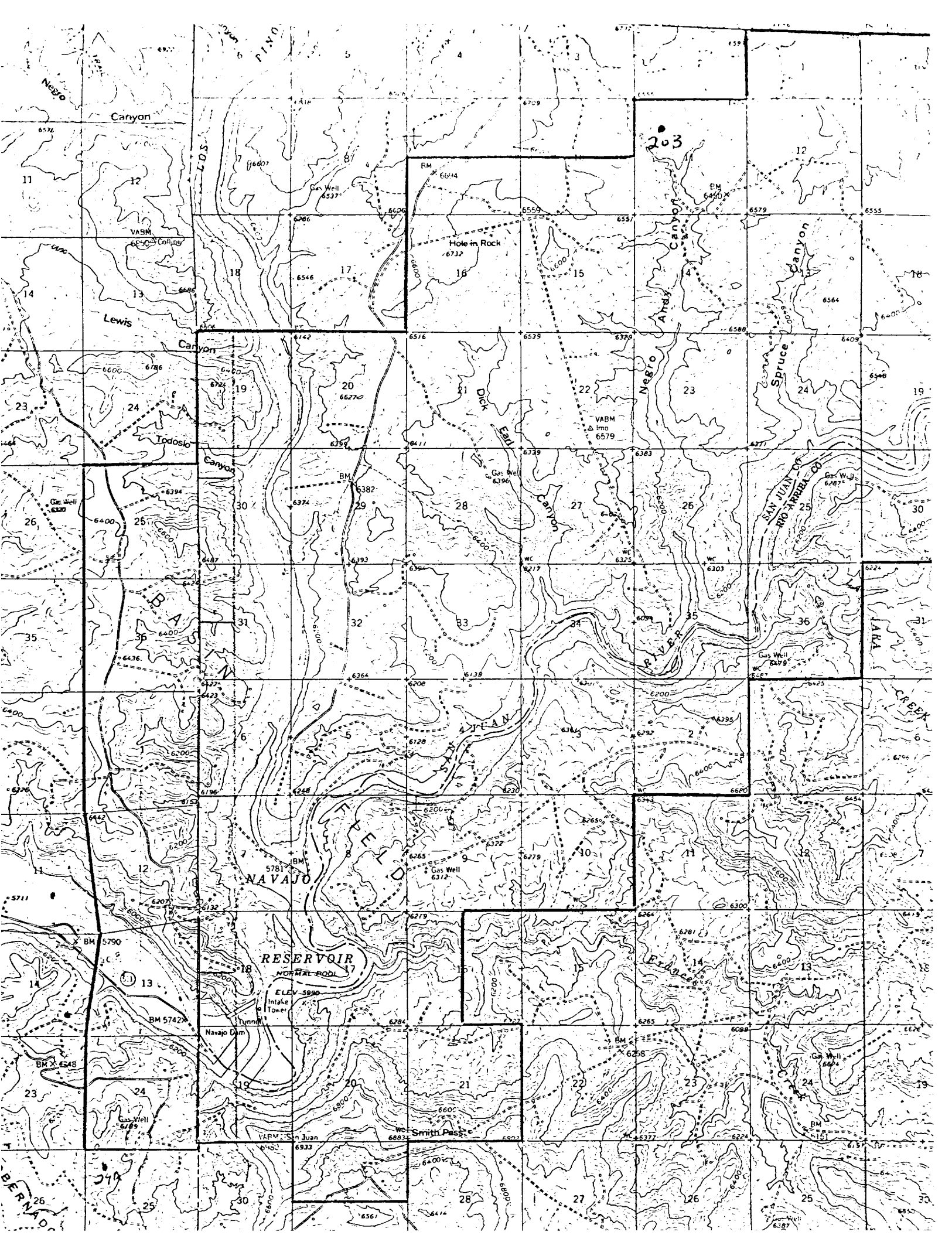
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
April 16, 1979

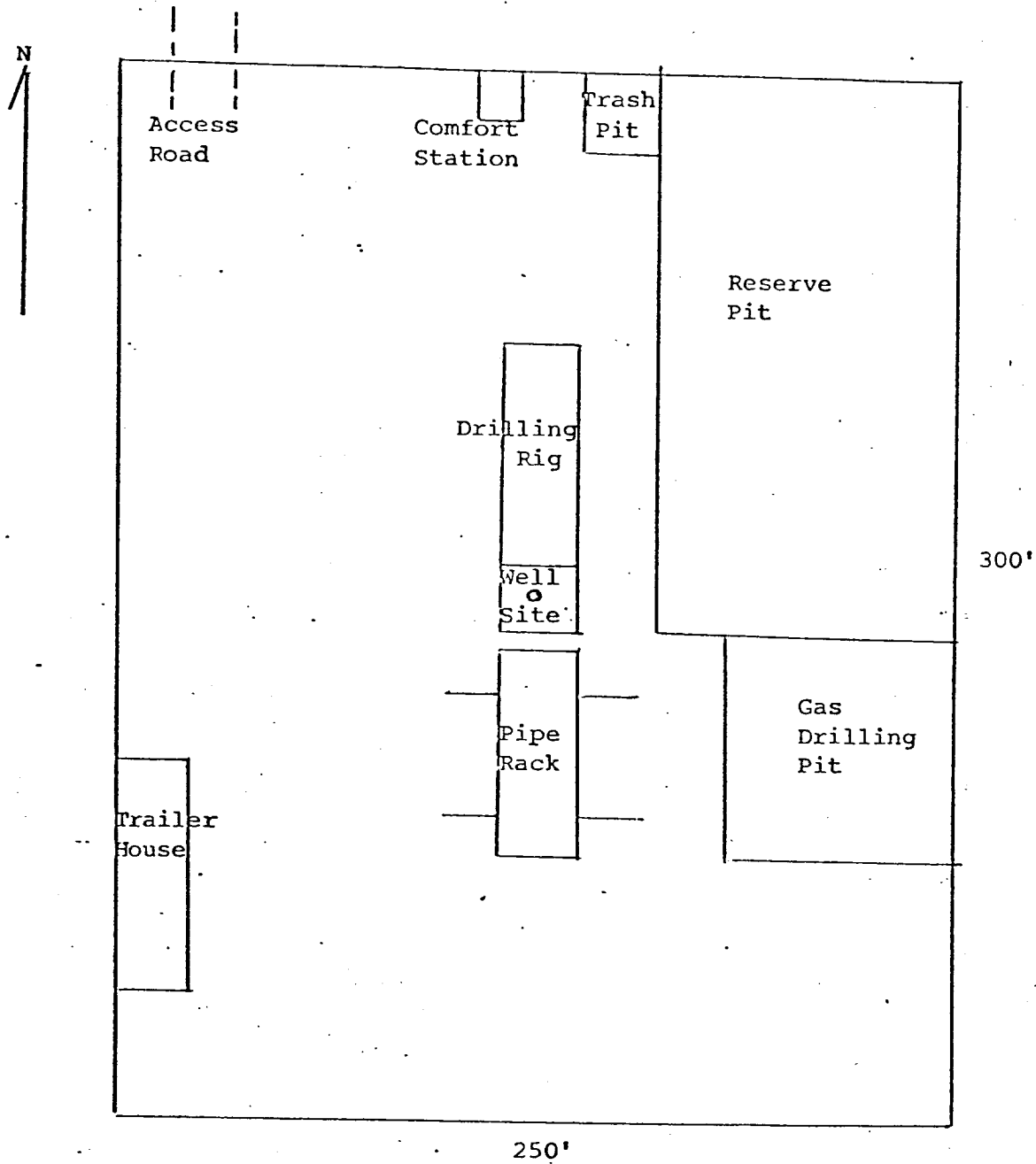
Registered Professional Engineer and/or Land Surveyor
John A. Kroeger
John A. Kroeger, I.S.

Certificate No.

1941



Blackwood & Nichols Co., Ltd.
Northeast Blanco Unit No. 203
990' F/NL - 1490' F/WL C-11-31N-7W
San Juan County, New Mexico



BLACKWOOD & NICHOLS Co., LTD.

P. O. BOX 1237

DURANGO, COLORADO 81301

(303) 247-0728

April 19, 1979

United States Geological Survey
Federal Bldg. - 701 Camino Del Rio
Durango, Colorado 81301

APR 19 1979

U.S. GEOLOGICAL SURVEY
FEDERAL BUILDING

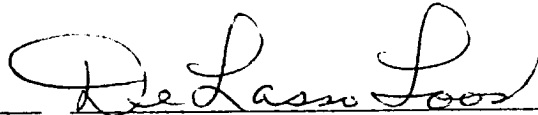
Gentlemen:

Blackwood & Nichols Co., Ltd., as operator of the Northeast Blanco Unit, proposes to drill the Northeast Blanco Unit Well No. 203 as a Pictured Cliffs-Fruitland well located in the NW/4, Sec. 11-31N-7W, San Juan County, New Mexico. The well will be completed in the Pictured Cliffs-Fruitland Zones.

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 Navajo Lake, 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 therein will be performed by Blackwood & Nichols Co., Ltd., and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Date April 19, 1979



DeLasso Loos, District Manager