

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APR 30-045-22043

5. LEASE DESIGNATION AND SERIAL NO.

Santa Fe 079511

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Northeast Blanco Unit
No. 1, Sec. 929

8. FARM OR LEASE NAME

Northeast Blanco Unit

9. WELL NO.

5A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

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

NW/4, Sec. 13-30N-8W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

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 Company

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

2160' F/NL - 1140' F/WL

At proposed prod. zone

Same

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

10. 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

140.03

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

19. PROPOSED DEPTH

5300'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

150.015 w/ 300.03

20. ROTARY OR CABLE TOOLS

Rotary

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

Not available until location is cleared (Approx. 5900')

22. APPROX. DATE WORK WILL START*

June 15, 1976

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#	300'	Circulate to surface
8 1/4"	7"	23.00#	3200'	Circulate to surface
6 1/4"	4 1/2"	10.50#	5300'	Cement to 2800'

We propose to perforate the Mesaverde Zone and sand-water fracture with 80,000 gals water and 70,000 lbs sand. We propose to drill well No. 5A to prevent reservoir drainage to the NW/4, Sec. 13, 30N-8W.

A 3000 psi WP and 6,000 psi test hydrolic blowout preventer, equipped with blind and pipe rams will be used with adequate bleed off and kill lines.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give location of proposed 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.

De Lasso Loos

TITLE District Manager

DATE 4-20-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

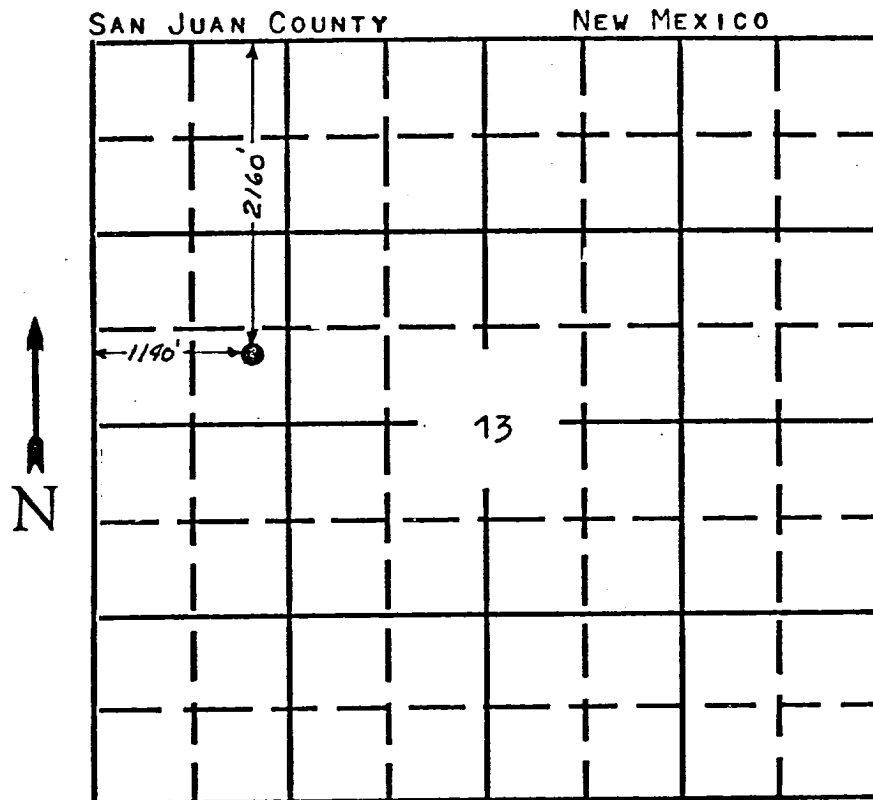
*See Instructions On Reverse Side

COMPANY BLACKWOOD & NICHOLS

LEASE N.E. BLANCO UNIT WELL NO. 5 A

IRREGULAR SEC. 13 T. 30 N. R. 8 W. N.M.P.M.

LOCATION 2160' FROM THE NORTH LINE
1140' FROM THE WEST LINE



Scale: 4 inches equals 1 mile

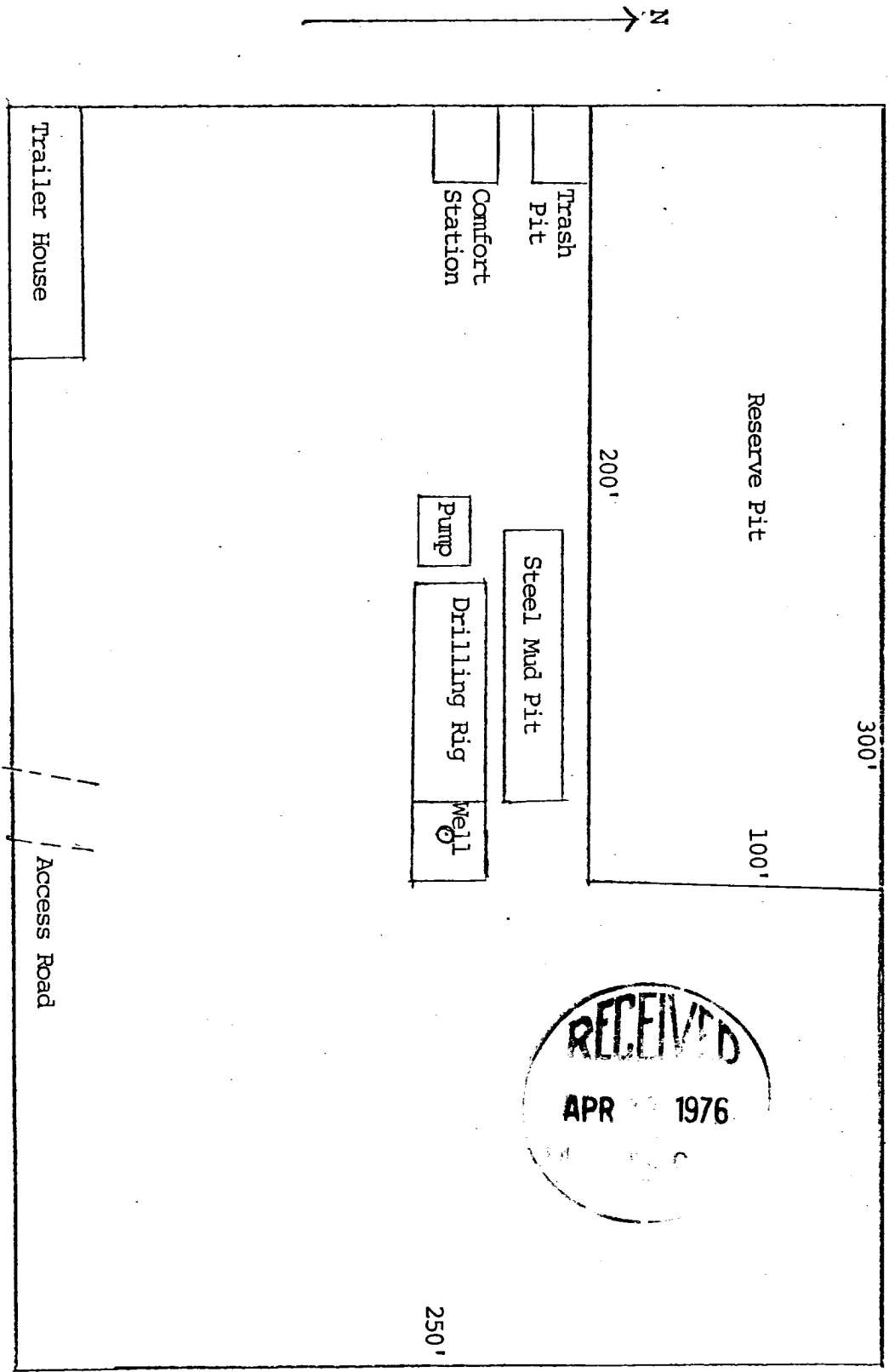
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

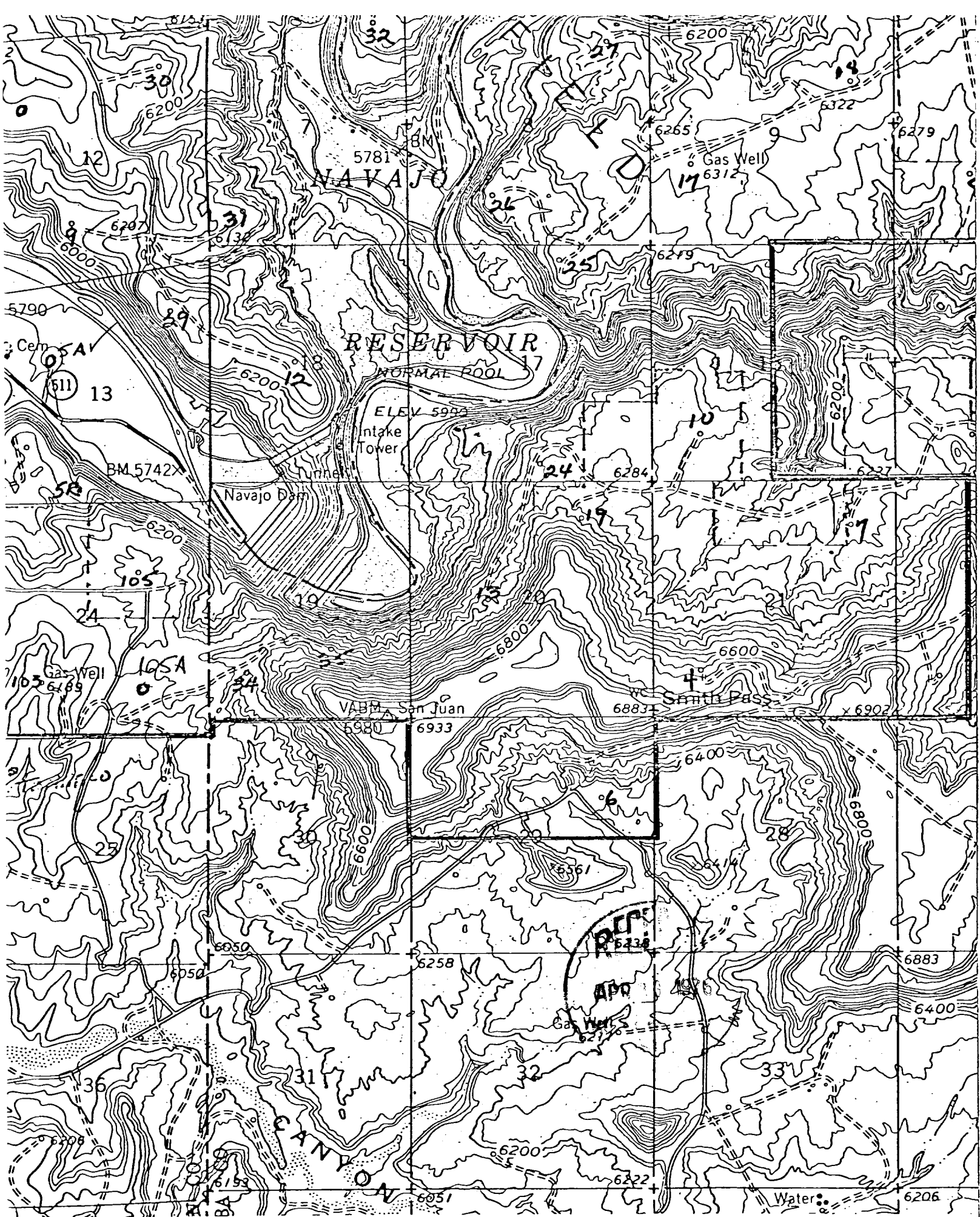
John A. Kroeger
KROEGER ENGINEERING CO.
NEW MEXICO REG. NO. 1941



DATE MAY 7, 1974

BLACKWOOD & NICHOLS COMPANY
Northeast Blanco Unit No. 5 A
2160' F/NL - 1140' F/ML, Sec. 13-30N-8W
San Juan County, New Mexico





BLACKWOOD & NICHOLS COMPANY

P. O. BOX 1237

DURANGO, COLORADO 81302

April 20, 1976

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. 5A to the Mesaverde Zone, located 2160' F/NL - 1140' F/WL, Sec. 13-30N-8W, NMPM, 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 maps.
- II. Planned access road: The access road will be extended approximately 100' North from the existing access road.
- III. Location of existing wells: See attached U.S.G.S. topographic map.
- IV. Lateral roads to well locations: Covered by Nos. 1 and 2.
- V. Location of tank batteries and flow lines: Production tanks are not anticipated on this location.
- VI. Location and type of water supply: Water will be hauled by truck transport from the San Juan River, approximately two miles Northwest of the location.
- VII. Waste disposal: Waste will be placed in a reserve pit and later buried or burned.
- VIII. Location of camp: None necessary.
- IX. Location of airstrip: None necessary.
- X. Layout of rig, reserve pits, mud tanks etc.: See Attached map.
- XI. Upon completion the location will be leveled, reserve pit will be fenced until dry and then filled with existing earth to its original state. The access road will remain.
- XII. Topography: The location is relatively level and covered with weeds which will be disposed of as per the Bureau of Reclamation requirements.

Very truly yours,

BLACKWOOD & NICHOLS COMPANY



De Lasso Loos
DeLasso Loos
District Manager

DL:lw
Encls.