

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

API 30-045-22044

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

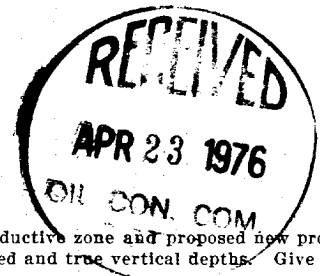
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Santa Fe 078615-A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Blackwood & Nichols Company		7. UNIT AGREEMENT NAME Northeast Blanco Unit No. 1, Sec. 929	
3. ADDRESS OF OPERATOR P. O. Box 1237, Durango, Colorado 81301		8. FARM OR LEASE NAME Northeast Blanco Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1010' F/SL - 920' F/EL At proposed prod. zone		9. WELL NO. 105A	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 Sec. 24-30N-8W	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160 E / 320		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5620'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6328' Ungraded Ground		22. APPROX. DATE WORK WILL START* June 1, 1976	

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#	3400'	Circulate to surface
6 1/4"	4 1/2"	10.50#	5620'	Cement to 3000'

We propose to perforate the Mesaverde Zone and sand-water fracture with approximately 75,000 gallons water and 65,000 lbs. sand. We propose to drill Well No. 105A to prevent reservoir drainage to the SE/4, Sec. 24-30N-8W.

A 3000 psi WP and 6,000 psi test hydraulic 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 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. DeLasso, Francisco Loos SIGNED District Manager TITLE 4-20-76 DATE

(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

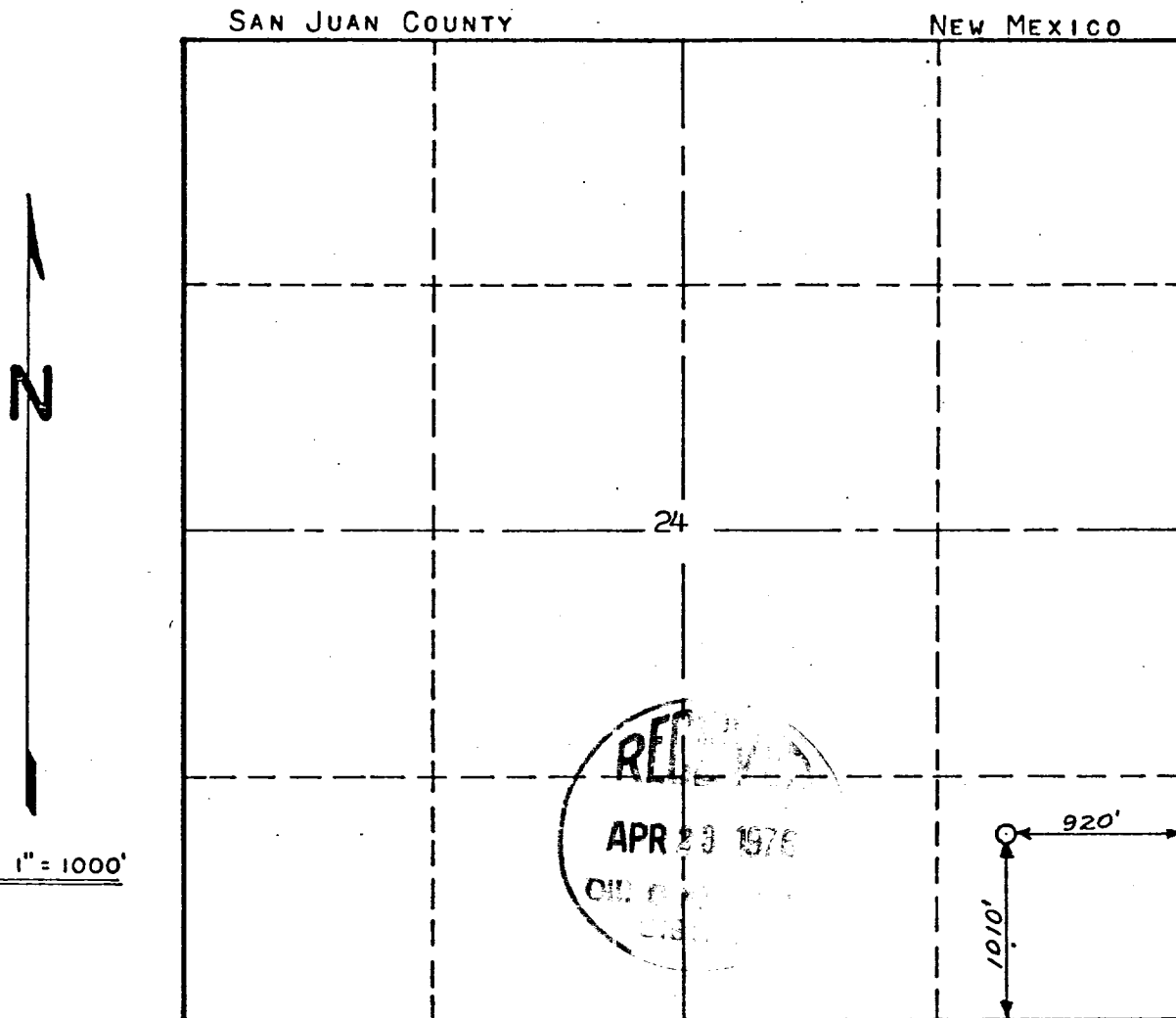
COMPANY BLACKWOOD & NICHOLS

LEASE N. E. BLANCO UNIT WELL No. 105 A

SECTION 24 T. 30N., R. 8W., N.M.P.M.

LOCATION 1010' FROM THE SOUTH LINE
920' FROM THE EAST LINE

ELEVATION UNGRADED GROUND ELEVATION -- 6328
USGS DATUM



The undersigned, KROEGER ENGINEERING COMPANY, hereby certifies that the above plat was prepared from field notes of actual surveys made by them, and that the same are true and correct to the best of their knowledge and belief.

DATE: APRIL 5, 1976

KROEGER ENGINEERING COMPANY
By: John A. Kroeger
John A. Kroeger, President
NEW MEXICO REG. NO. 1941

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.

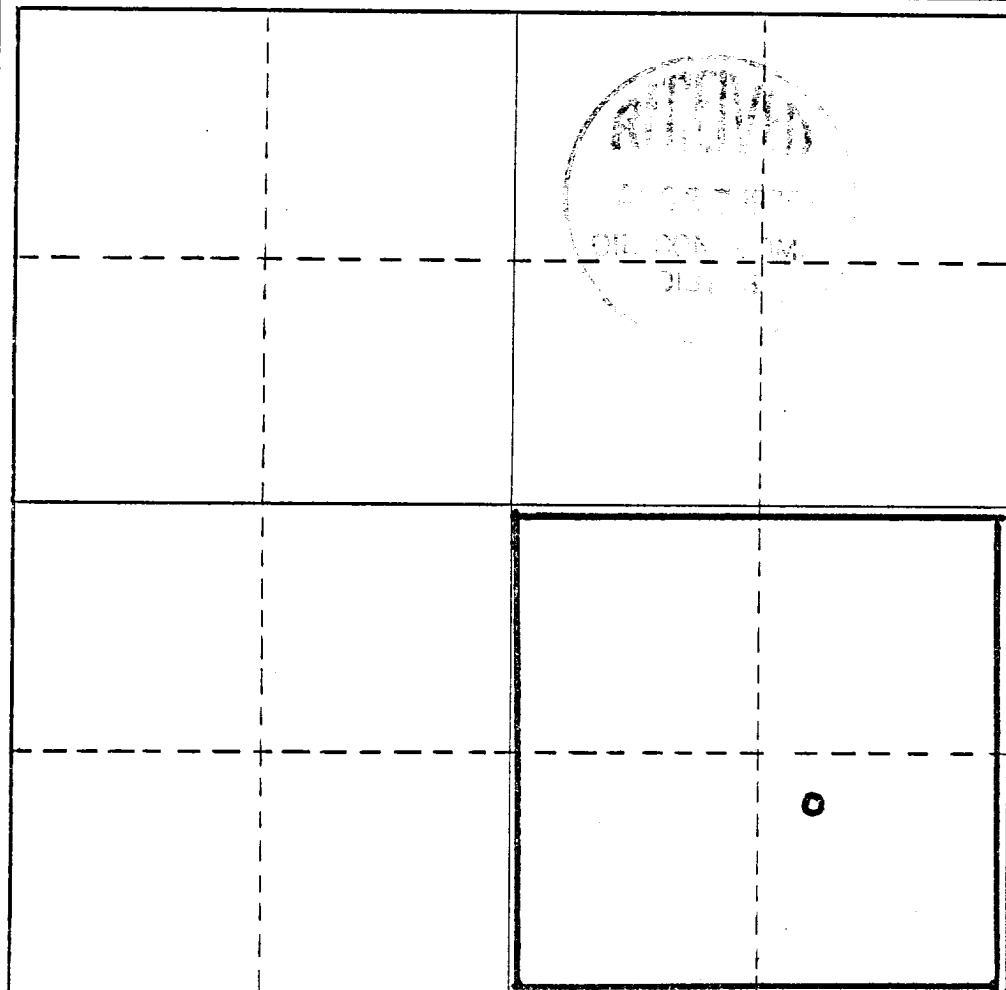
Operator Blackwood and Nichols Company			Lease Northeast Blanco Unit		Well No. 64
Unit Letter P	Section 24	Township 30 N	Range 8 W	County San Juan	
Actual Footage Location of Well: 1010 feet from the South line and 920 feet from the East line					
Ground Level Elev. 6328	Producing Formation Chacra		Pool Undesignated		Dedicated Acreage: 160 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 _____

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

Position

District Manager

Company

Blackwood and Nichols Co.

Date

8-27-76

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.

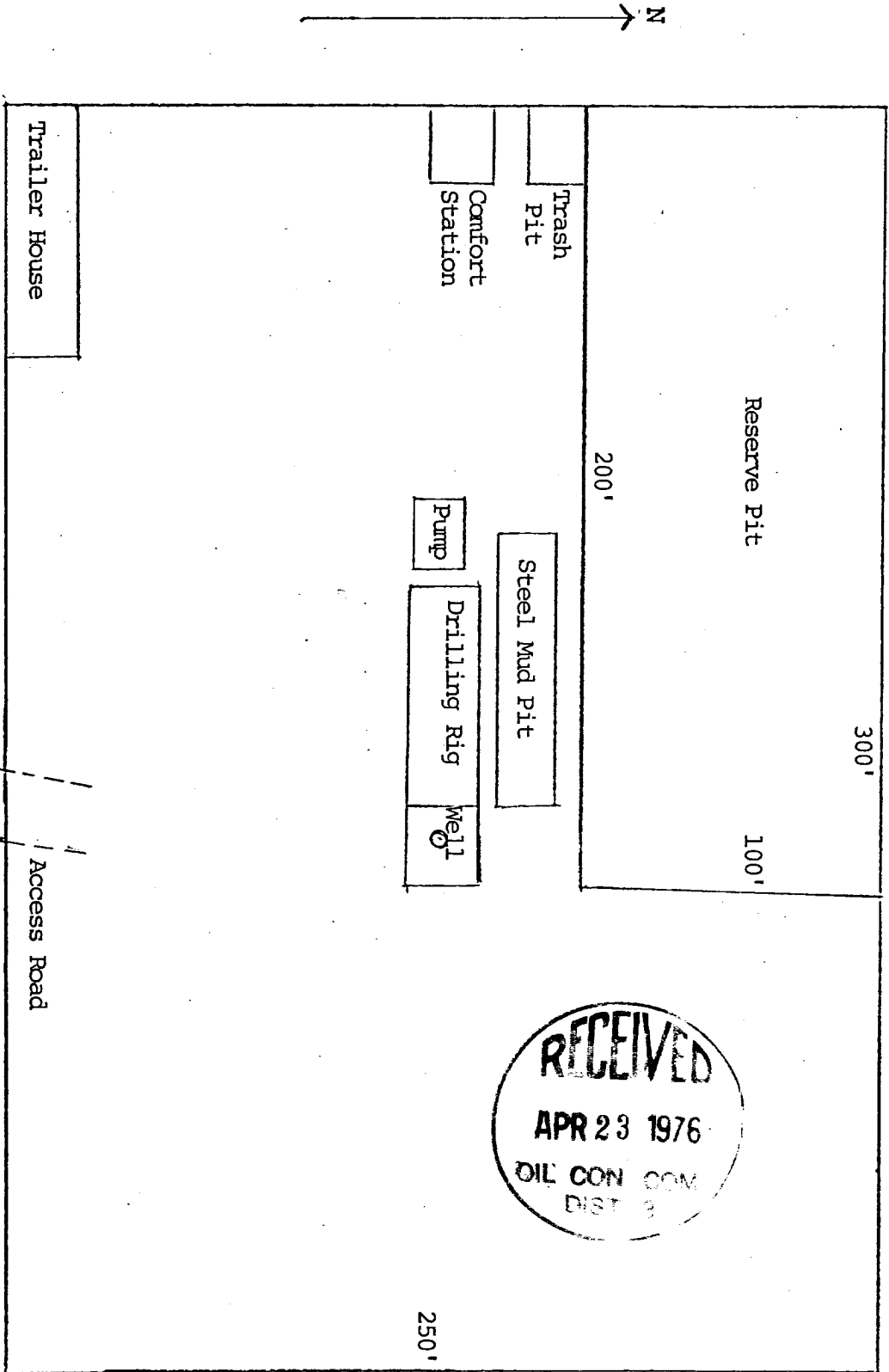
Date Surveyed

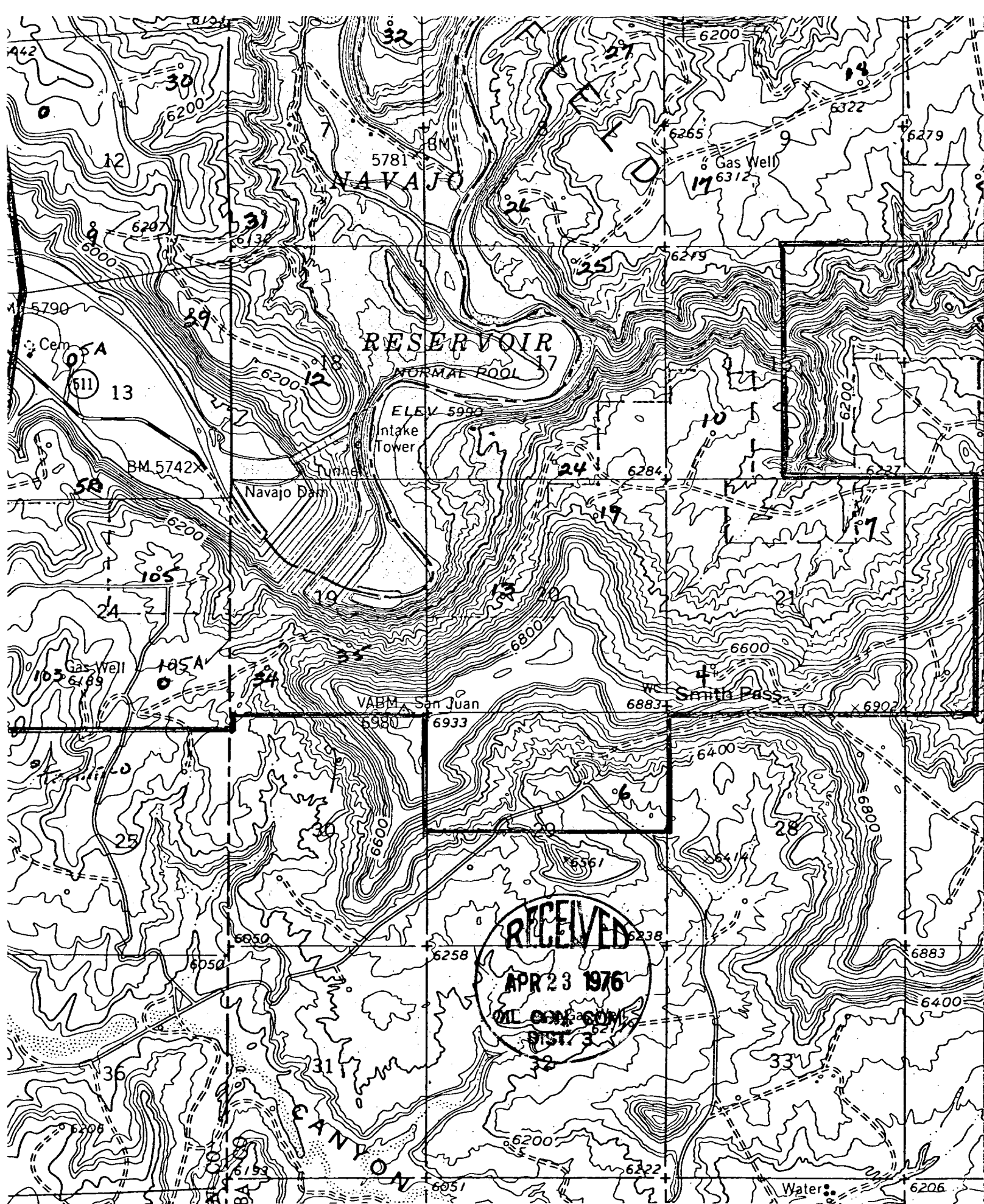
Registered Professional Engineer and/or Land Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

BLACKWOOD & NICHOLS COMPANY
Northeast Blanco Unit No. 105 A
1010' F/SL - 920' F/EL, Sec. 24-30N-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. 105A to the Mesaverde Zone, located 1010' F/SL - 920' F/EL, Sec. 24-30N-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 map.
- II. Planned access road: The access road will be extended approximately 200' Northwest from the existing access road to Well No. 34.
- 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 Cedar and Pinon trees which will be disposed of as per the Bureau of Land Management requirements.

Very truly yours,

BLACKWOOD & NICHOLS COMPANY

De Lasso Loos
DeLasso Loos,
District Manager



DL:lw
Encls.