

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 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

1090' F/NL - 1570' F/WL

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 drlg. unit line, if any)

See attached map

16. NO. OF ACRES IN LEASE

596.07

17. NO. OF ACRES ASSIGNED
TO THIS WELL

312.77

18. DISTANCE FROM PROPOSED LOCATION*

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

See attached map

19. PROPOSED DEPTH

5730'

20. ROTARY OR CABLE TOOLS

Rotary

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

6358' GL

22. APPROX. DATE WORK WILL START*

Sept. 15 - Oct. 1, 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" New	36.00#	275'	Circulate to surface
8-3/4"	7" New	23.00#	3550'	Circulate to surface
6-1/4"	4-1/2" New	10.50#	5730'	Cement to 3000'

We propose to perforate the Mesaverde Zone and sand-water fracture with approximately 125,000 gallons water and 90,000# sand; we propose to drill Well No. 9A to prevent reservoir drainage to the NW/4, Sec. 12-30N-8W.

Estimated tops: Fruitland 3037'; Lewis 3527'; Cliffhouse 5132'; Point Lookout 5492'; Mancos 5717'.

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#) will be used. 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 depth. Give blowout preventer program, if any.

24.

SIGNED

De Lasso Loos

DeLasso Loos

TITLE

District Manager

DATE

8-16-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Okal

*See Instructions On Reverse Side

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DURANGO, COLO.

30-045-22164

5. LEASE DESIGNATION AND SERIAL NO.

Santa Fe 078581-A

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.

9A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

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

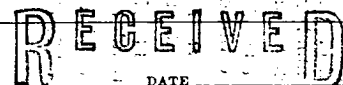
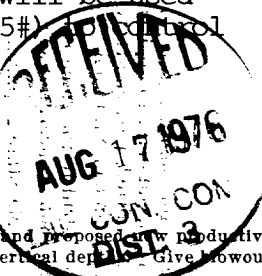
NW/4, Sec. 12-30N-8W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico



AUG 16 1976

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.

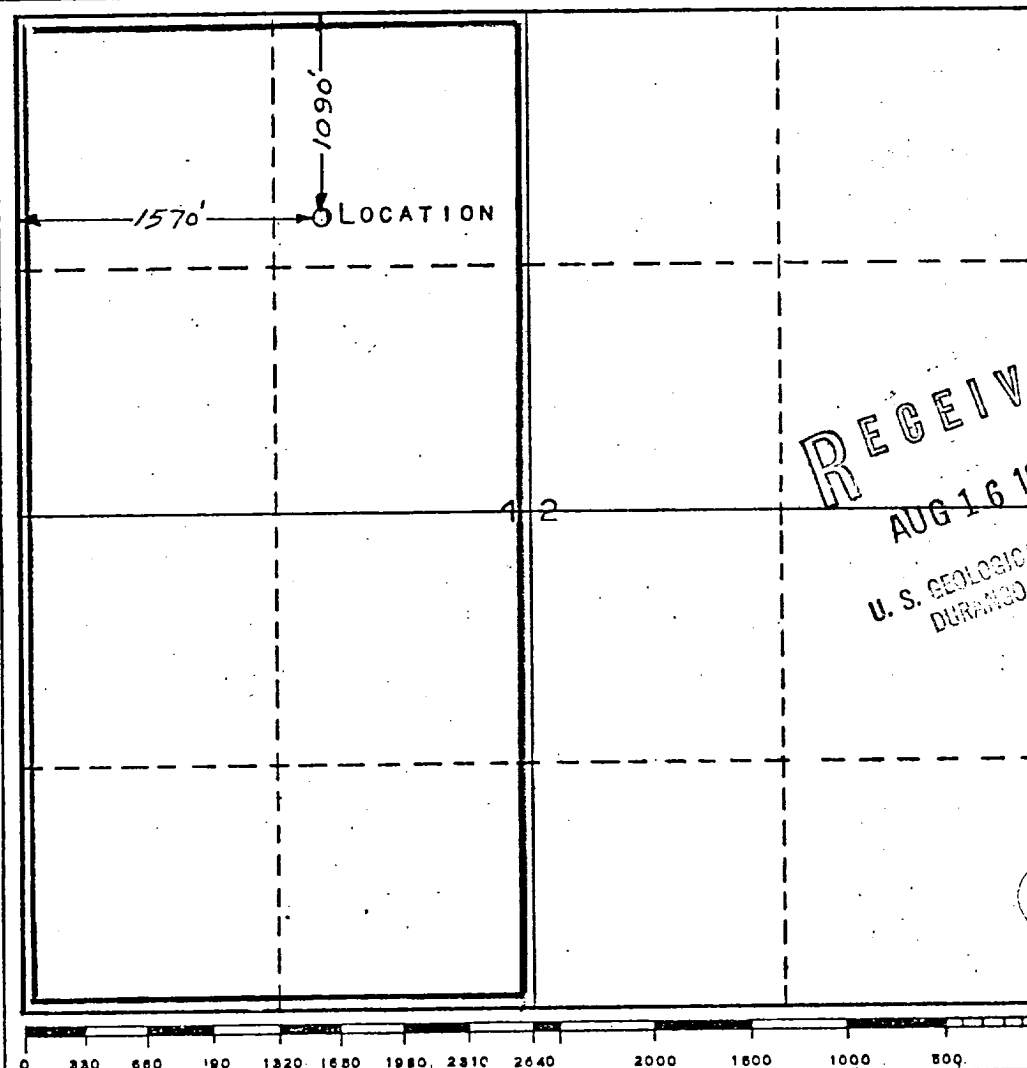
Operator BLACKWOOD & NICHOLS			Lease NORTHEAST BLANCO UNIT		Well No. 9A
Unit Letter C	Section 12	Township 30 N.	Range 8W.N.M.P.M.	County SAN JUAN	
Actual Footage Location of Well: 1090 feet from the NORTH line and 1570 feet from the WEST line					
Ground Level Elev: 6358	Producing Formation Mesaverde		Pool Blanco Mesaverde		Dedicated Acreage: 312.77 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.

Date

August 11, 1976

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DURANGO, COLO.

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.

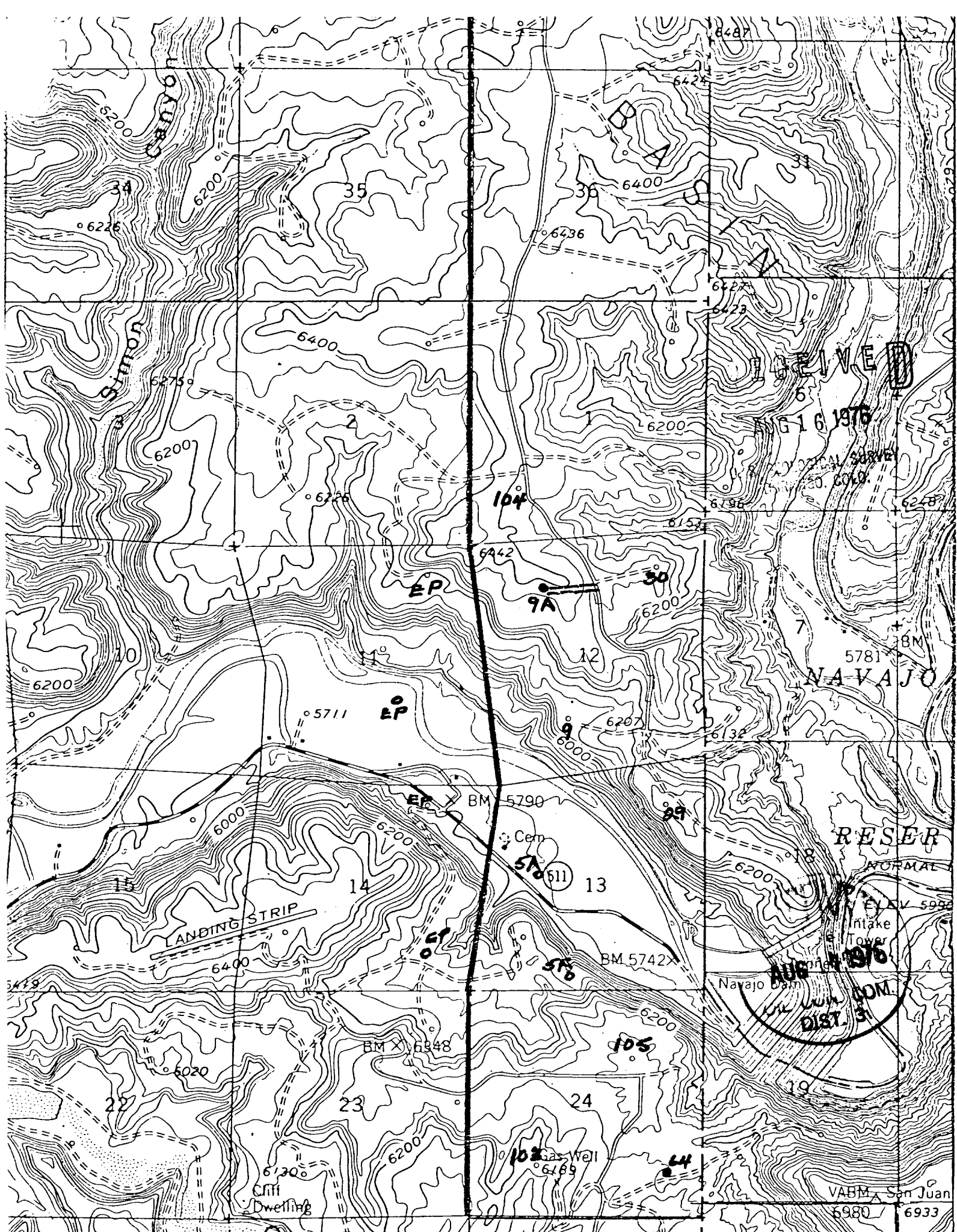
AUGUST 10, 1976

Date Surveyed

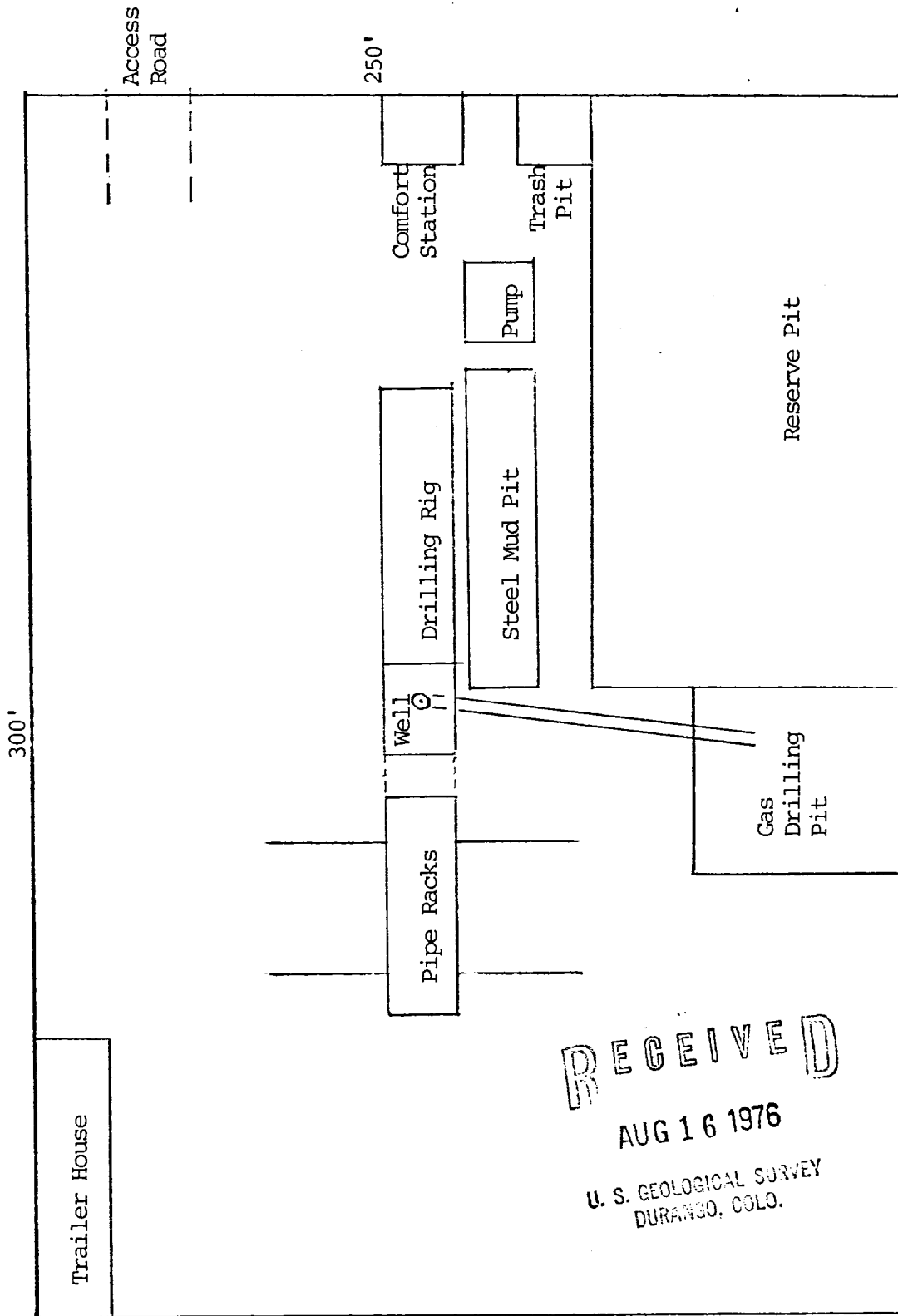
John A. Kroeger
Registered Professional Engineer
and/or Land Surveyor

JOHN A. KROEGER, L.S.
1941

Certificate No.



BLACKWOOD & NICHOLS COMPANY
NORTHEAST BLANCO UNIT NO. 9A
1090' F/NL - 1570' F/WL, Sec. 12-30N-8W
San Juan County, New Mexico



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U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

BLACKWOOD & NICHOLS COMPANY

P. O. BOX 1237

DURANGO, COLORADO 81302

August 16, 1976

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

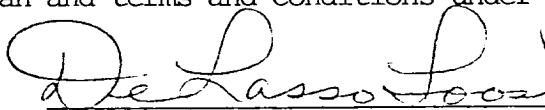
Gentlemen:

Blackwood & Nichols Company, as operator of the Northeast Blanco Unit, proposes to drill Northeast Blanco Unit Well No. 9A to the Mesaverde Zone, located 1090' F/NL - 1570' F/WL, Sec. 12-30N-8W, N.M.P.M., San Juan County, New Mexico.

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

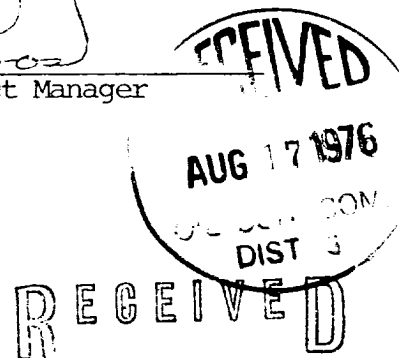
- I. Existing roads: See attached U.S.G.S. topographic map.
- II, III, IV, VI, and IX: See attached maps.
- V. Water will be hauled by truck transport from the San Juan River, approximately four miles southwest of the location.
- VII. Waste material will be placed in a reserve pit and later buried or 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 drillsite 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 8-16-76



DeLasso Loos, District Manager

DL:lw



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DURANGO, COLO.

