

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 079042	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Blackwood & Nichols Co., Ltd.			7. UNIT AGREEMENT NAME Northeast Blanco Unit Agrmt. 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 1800' F/NL - 570' F/WL At proposed prod. zone Same			9. WELL NO. 23A	
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 F-6-30N-7W	
16. NO. OF ACRES IN LEASE 1779.91			12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 296.02			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			19. PROPOSED DEPTH 5985'	
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* March 24, 1978	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 6358' GL			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"	32.00#	250'	Circulate
8-3/4"	7"	23.00#	3565'	Cement to 2000'
6-1/4"	4-1/2"	10.50#	5985'	Cement to 3300'

We propose to perforate the Mesaverde Zone and sand-water fracture with 200,000 gals. water and 200,000 lbs sand in two stages. Estimated tops: Fruitland 3035', Lewis 3525', Cliffhouse 5155', Menefee 5215', Point Lookout 5535', Mancos 5655'. A 3000 PSI WP: 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 to control the Fruitland will be used; well to be drilled with gas below 7" casing.

Compensated Density Gamma-neutron logs will be run in open hole.

Blow-out preventers will be tested every trip.

Gas is 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.

24. *DeLasso Loos* SIGNED *DeLasso Loos* TITLE *District Manager* DATE *1-18-78*

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

RECEIVED
JAN 19 1978

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

NW 11-R-751

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.

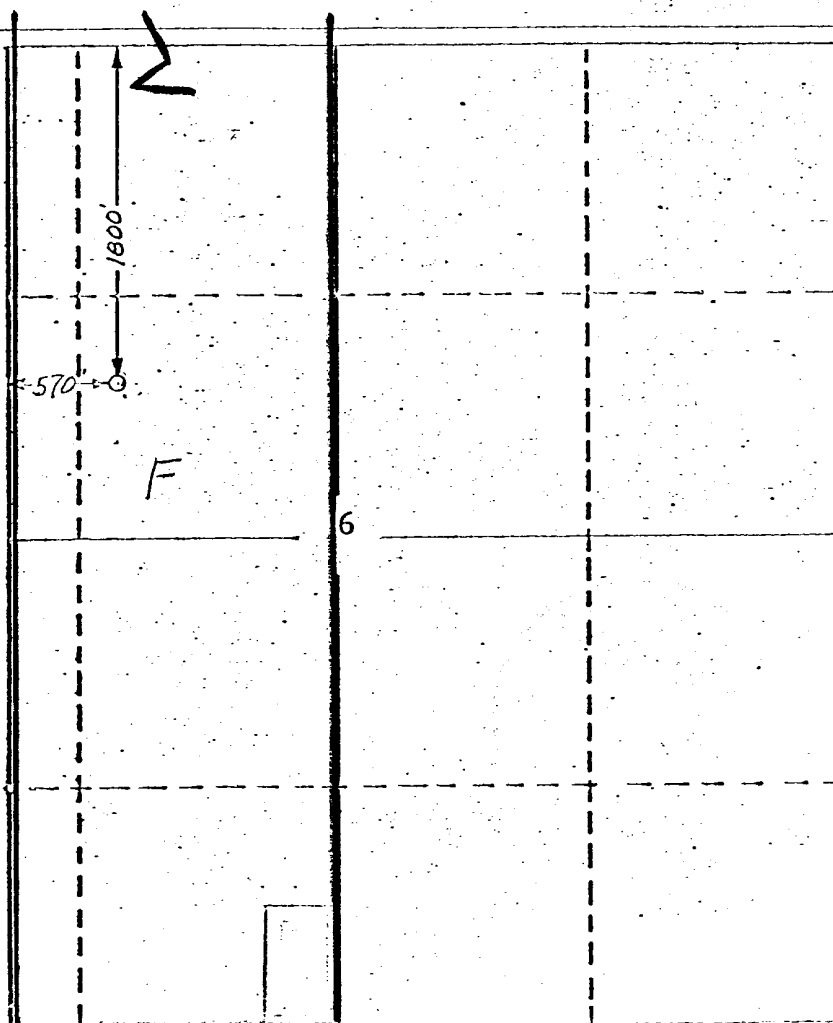
Operator BLACKWOOD & NICHOLS			Lease NORTHEAST BLANCO UNIT		Well No. 23-A
Unit Letter F	Section 6	Township 30 N.	Range 7W., N.M.P.M.	County SAN JUAN	
Actual Footage Location of Well: 1800 feet from the north line and 570 feet from the west line					
Ground Level Elev: 6358	UG	Producing Formation Mesaverde	Pool Blanco-Mesaverde	Dedicated Acreage: 296.02	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 communization, 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 communization, 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.

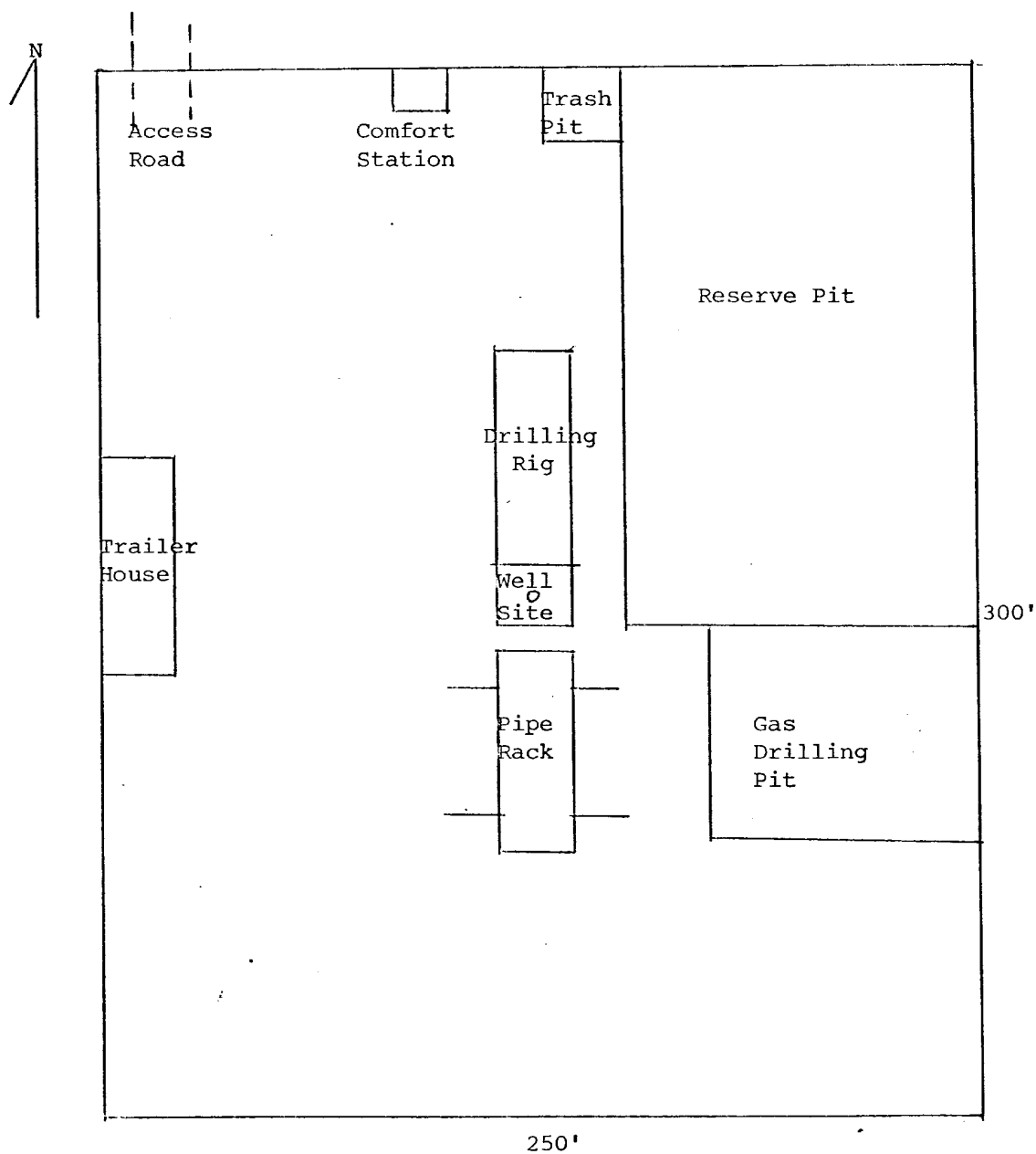
Original signed
Name **DeLasso Loos**
Position **District Manager**
Company **Blackwood & Nichols Co., Ltd.**
Date **1-18-78**

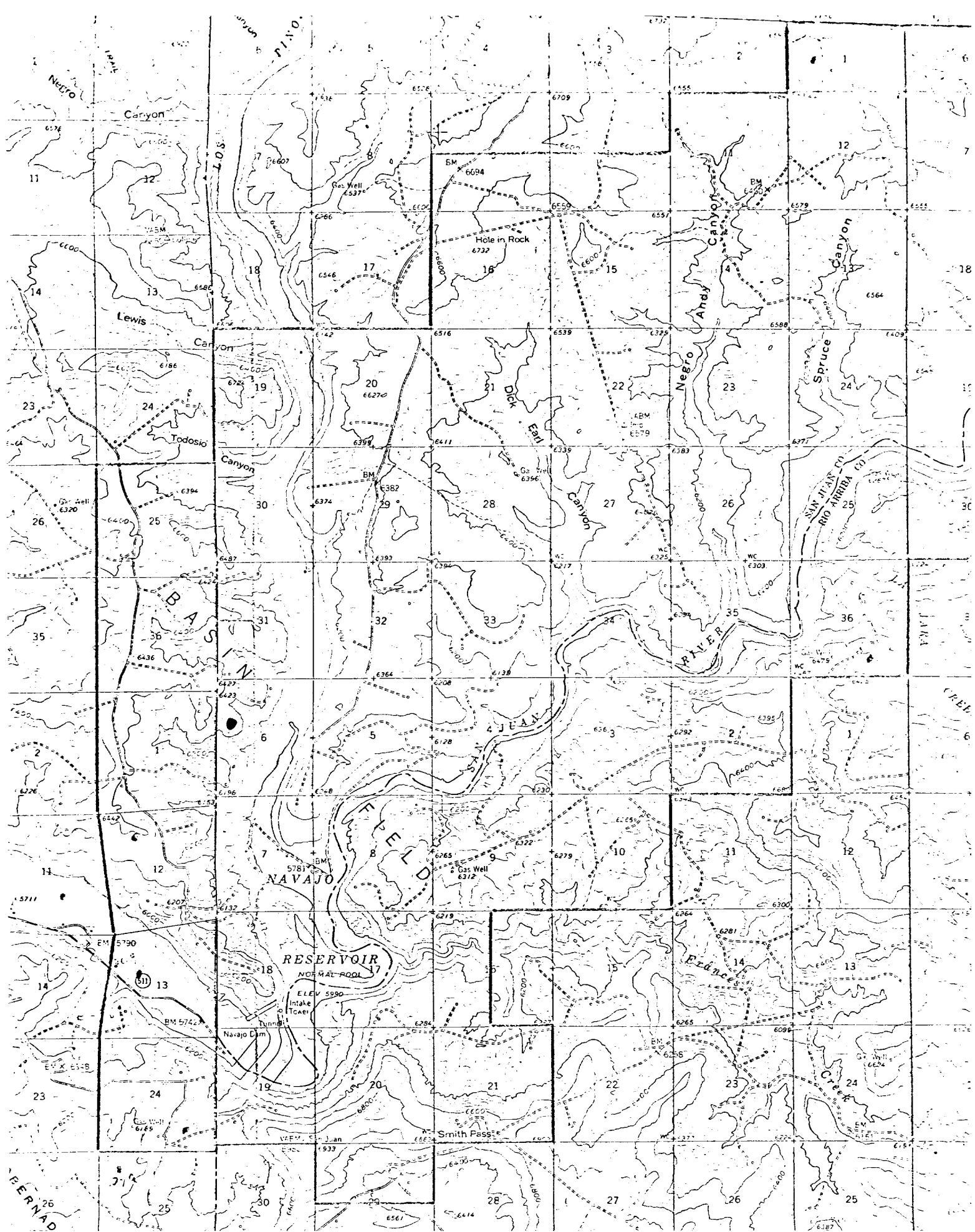
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

December 8, 1977
Date Surveyed
John A. Kroeger
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 2000 1500 1000 500 0

BLACKWOOD & NICHOLS CO., LTD.
Northeast Blanco Unit No. 23A
1800' F/NL - 570' F/WL F-6-30N-7W
San Juan County, New Mexico



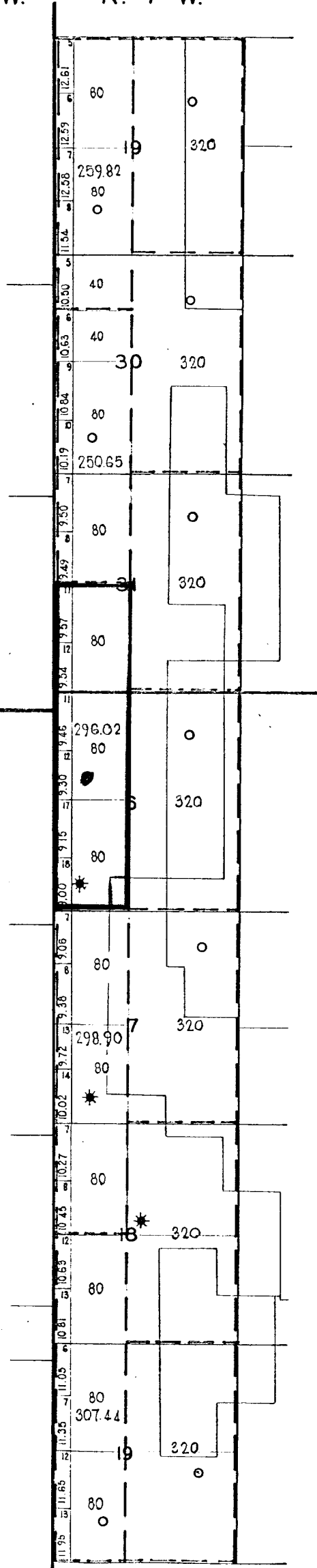


R. 8 W.

R. 7 W.

T.
31
N.

T.
30
N.



—PORTION OF—
**NORTHEAST
BLANCO
UNIT**
SAN JUAN & RIO ARriba
COUNTIES
NEW MEXICO

- Completed Oil Well
- Location or Drilling Well
- ◇ Dry Hole
- ⊠ Abandoned Location
- * Gas Well

SCALE: 1" = 3000' DAM SITE

BLACKWOOD & NICHOLS Co., LTD.

P. O. BOX 1237

DURANGO, COLORADO 81301

(303) 247-0728

January 18, 1978

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

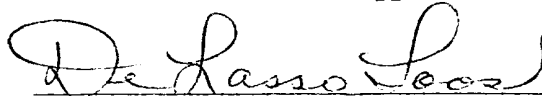
Gentlemen:

Blackwood & Nichols Co., Ltd., as operator of the Northeast Blanco Unit, proposes to drill Northeast Blanco Unit Well No. 23A as on infill well, located in the NW/4-Sec. 6-30N-7W, 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 Co., Ltd. and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Date 1-18-78



DeLasso Loos, District Manager

DL:lr
Attachments



DIRECTOR
JOE D. RAMEY

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
1000 RIO BRAZOS RD. - AZTEC

87410

LAND COMMISSIONER
PHIL R. LUCERO



STATE GEOLOGIST
EMERY C. ARNOLD

January 27, 1978

Mr. DeLasso Loos
Blackwood & Nichols Co.
Box 1237
Durango, Colorado 81301

Re: NEBU #23-A
1800/N; 570/W F- 6-30N-7W

NEBU #104-A
1050/N; 1200/W D- 1-30N-8W

NEBU #36-A
1250/S; 1830/E O- 1-30N-8W

Dear DeLasso:

Each of the above listed wells is located in violation of Rule 2 of the pool rules for the Blanco Mesaverde Pool.

Please obtain approval for the non-standard locations as provided in Rule 3 of Order R-1670.

If there are questions please call.

Yours very truly,

A. R. Kendrick
Supervisor, District #3

ARK/bk

OIL CONSERVATION COMMISSION
Alameda DISTRICT

V

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE 2-6-78

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL ✓ _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

R. L. Stamets

Gentlemen:

I have examined the application dated 2-1-78
for the Blackwood & Nichols Co. Ltd Northeast Blaine Unit # 23A
Operator Lease and Well No. Unit, S-T-R
F. G. - 30N-7W

and my recommendations are as follows:

Approve

Yours very truly,

AR Kendrick

BLACKWOOD & NICHOLS CO., LTD.

P. O. BOX 1237

DURANGO, COLORADO 81301

(303) 247-0728

February 1, 1978

Mr. Joe D. Ramey, Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Ramey:


As operator of the Northeast Blanco Unit, we are requesting administrative approval for an unorthodox well location to be completed in the Mesaverde Formation.

We intend to drill the Northeast Blanco Unit Well No. 23A, an infill well, located 1800 F/N - 570' F/W, F-6-30N-7W, San Juan County, New Mexico.

Due to topographical conditions and its relation to Navajo Lake, we can not locate the well any nearer a standard location within the W/2 of this section.

Very truly yours,

BLACKWOOD & NICHOLS CO., LTD.


DeLasso Loos
District Manager

DL:lr
Enclosure

cc: A. R. Kendrick ✓
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410



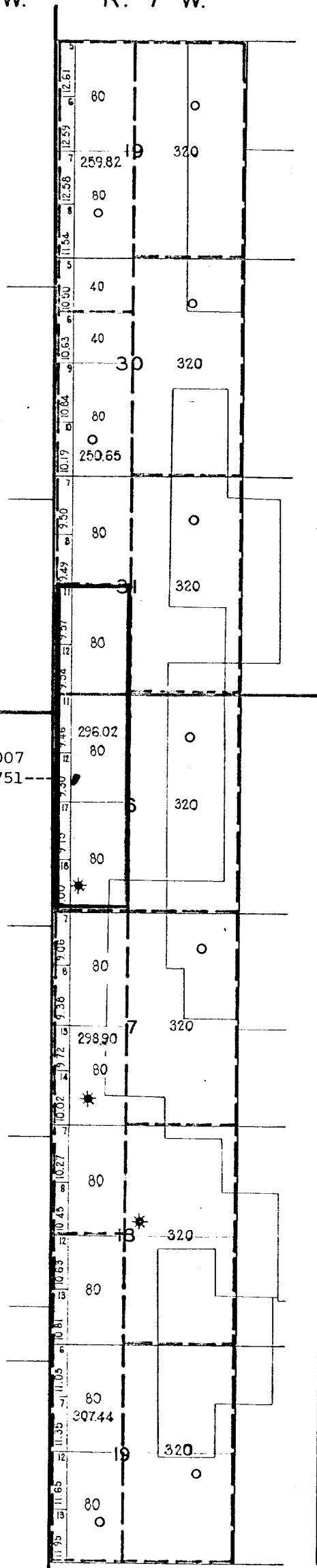
R. 8 W.

R. 7 W.

T.
31
N.

Case No. 1007
Order No. 751

T.
30
N.



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**NORTHEAST
BLANCO
UNIT**

SAN JUAN & RIO ARRIBA
COUNTIES

NEW MEXICO

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