

CASE 7187: BLACKWOOD & NICHOLS CO.,  
LTD. FOR FOUR NON-STANDARD PROBATION  
UNITS, SAN JUAN COUNTY, NEW MEXICO

*Ltd.*

Case No.

7187

Application

Transcripts

Small Exhibits

ETC



BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

April 9, 1981

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

Mr. William F. Carr  
Campbell, Byrd & Black  
Attorneys at Law  
Post Office Box 2208  
Santa Fe, New Mexico

Re: CASE NO. 7187  
ORDER NO. R-6635

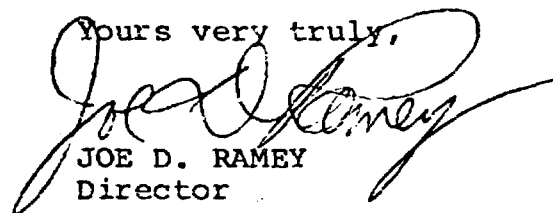
Applicant:

Blackwood & Nichols Co., Ltd.

Dear Sir:

Enclosed herewith are two copies of the above-referenced  
Division order recently entered in the subject case.

Yours very truly,

  
JOE D. RAMEY  
Director

JDR/fd

Copy of order also sent to:

Hobbs OCD x  
Artesia OCD x  
Aztec OCD x

Other \_\_\_\_\_

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 7187  
Order No. R-6635

APPLICATION OF BLACKWOOD & NICHOLS  
CO., LTD. FOR FOUR NON-STANDARD  
PRORATION UNITS, SAN JUAN COUNTY,  
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 11, 1981,  
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 7th day of April, 1981, the Division  
Director, having considered the testimony, the record, and the  
recommendations of the Examiner, and being fully advised in the  
premises,

FINDS:

(1) That due public notice having been given as required  
by law, the Division has jurisdiction of this cause and the  
subject matter thereof.

(2) That the applicant, Blackwood & Nichols Co., Ltd.,  
seeks approval of the following four Fruitland and Pictured  
Cliffs non-standard gas proration units:

a 185.68-acre unit comprising the SW/4 of Section 1,  
Township 31 North, Range 7 West; a 181.4-acre unit  
comprising the SE/4 of said Section 1; a 176.68-acre  
unit comprising the SW/4 of Section 6, Township 31  
North, Range 6 West; and a 175.21-acre unit compris-  
ing the SE/4 of said Section 6, all of said units to  
be dedicated to wells to be drilled at standard  
locations thereon.

(3) That the entire non-standard proration units may  
reasonably be presumed productive of gas from the Fruitland  
and Pictured Cliffs formations and that each non-standard gas



-2-

Case No. 7187  
Order No. R-6635

proration unit can be efficiently and economically drained and developed by the aforesaid wells.

(4) That approval of the subject application will afford the applicant the opportunity to produce his just and equitable share of the gas in the Fruitland and Pictured Cliffs formations under each of the proposed non-standard proration units, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

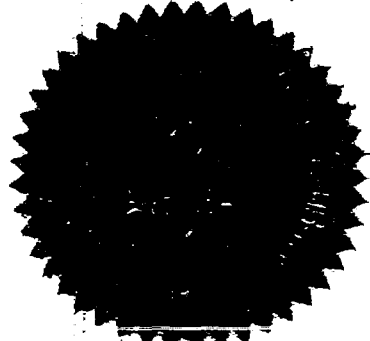
IT IS THEREFORE ORDERED:

(1) That four Fruitland and Pictured Cliffs non-standard gas proration units in San Juan County, New Mexico, are hereby established and dedicated for the applicant, Blackwood & Nichols Co., Ltd., as follows:

a 185.68-acre unit comprising the SW/4 of Section 1, Township 31 North, Range 7 West; a 181.4-acre unit comprising the SE/4 of said Section 1; a 176.68-acre unit comprising the SW/4 of Section 6, Township 31 North, Range 6 West; and a 175.21-acre unit comprising the SE/4 of said Section 6, all of said units to be dedicated to wells to be drilled at standard locations thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



SEAL  
fd/

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

*Joe D. Ramey*  
JOE D. RAMEY  
Director

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
11 March 1981

EXAMINER HEARING

IN THE MATTER OF:

Application of Blackwood & Nichols  
Co., Inc., for four non-standard  
proration units, San Juan County,  
New Mexico.

CASE  
7187

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Ernest L. Padilla, Esq.  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For the Applicant:

William F. Carr, Esq.  
CAMPBELL, BYRD, & BLACK  
Jefferson Place  
Santa Fe, New Mexico 87501

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I N D E X

DeLASSO LOOS

Direct Examination by Mr. Carr

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E X H I B I T S

Applicant Exhibit One, Documents

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Applicant Exhibit Two, Documents

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Applicant Exhibit Three, Documents

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MR. STAMETS: Call next Case 7187.

MR. PADILLA: Application of Blackwood and Nichols Company, Ltd., for four non-standard proration units, San Juan County, New Mexico.

DeLASSO LOOS

being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. CARR:

Q Mr. Loos, will you state your name and place of residence?

A DeLasso Loos, Durango, Colorado.

Q Mr. Loos, by whom are you employed and in what capacity?

A Blackwood and Nichols Company, Limited, District Manager.

Q Have you previously testified before this Commission and had your credentials as a petroleum engineer accepted and made a matter of record?

A Yes.

Q Are you familiar with the application filed in this case by Blackwood and Nichols Company?

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A. Yes.

Q. Are you familiar with the subject acreage and the wells involved?

A. Yes.

MR. CARR: Are the witness' qualifications acceptable?

MR. STAMETS: They are.

MR. PADILLA: I'll swear him in before you continue.

(Witness sworn.)

Q. Mr. Loos, will you briefly state what Blackwood and Nichols Company seeks with this application?

A. On January the 2nd we filed an application to drill a Fruitland-Pictured Cliffs well in Section 6, 31 North, 7 West, San Juan County, New Mexico, and then we were subsequently informed by Mr. Frank Chavez of District III that we would have to come before the Commission to receive an unorthodox or a non-standard proration unit.

Q. Now, Mr. Loos, in this case today are you requesting approval of that non-standard proration unit plus three additional non-standard proration units?

A. Correct.

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2 Q Would you refer to what has been marked  
3 for identification as Blackwood and Nichols Company Exhibit  
4 Number One and first tell Mr. Stamets what it is and then by  
5 using that exhibit explain to him the situation with the  
6 Northeast Blanco Unit Well No. 209?

7 A The Well No. 209 is located 1800 feet  
8 from the south line, 840 feet from the west line in the west  
9 half of Section 6. The north part or the south part of the  
10 north half of that section where Township 31 North joins 32  
11 North is a short section. So there's a short tract in there  
12 consisting of 16.68 acres that we would like to apply to the  
13 160 acre southwest quarter of Section 6.

14 Q What is the status of the Northeast  
15 Blanco Unit Well No. 209?

16 A It's surveyed and the application has  
17 been filed to drill.

18 Q And is this well proposed to be drilled  
19 at a standard location?

20 A Correct.

21 Q Will you proceed now to the next page  
22 of that exhibit and just tell Mr. Stamets what it is?

23 A The next -- the map is an actual survey  
24 map of this portion of the Township 31 North, 6 West, Section  
25 6, which indicates the acreage allocated for each half of

1  
2 that proration unit.

3 Q Now, Mr. Loos, before we go on from  
4 this particular section, does Blackwood and Nichols Company  
5 also request the approval of a non-standard proration unit  
6 in the southeast quarter of that section?

7 A Correct, yes.

8 Q How many acres would that be?

9 A Consisting of 175.21 acres in the east  
10 half of this proration unit.

11 Q Does Blackwood and Nichols have plans  
12 to, in the not too distant future, drill a Pictured Cliffs -  
13 Fruitland well in the southeast quarter of that section?

14 A Correct.

15 Q Is there anything else in Exhibit One  
16 you'd like to call to Mr. Stamets' attention?

17 A I believe that's -- I believe that's  
18 it.

19 Q Will you now refer to what has been  
20 marked for identification as Blackwood and Nichols Company  
21 Exhibit Number Two and review this for the Examiner?

22 A Exhibit Number Two is a well, Northeast  
23 Blanco Unit Well No. 63, which is a Mesaverde well. It was  
24 drilled and first delivered March the 15th, 1977, and since  
25 that time we have been producing that well with an allowable

1  
2 allotted to us on the basis of 367.08 acres by authority  
3 under Rule 5-B, Order Number R-1670, and since that time  
4 this well has been on production under that rule number.

5 Q And we're talking now about the North-  
6 east Blanco Unit Well No. 63.

7 A Correct, yes, sir.

8 Q Is that well at an orthodox location?

9 A Yes.

10 Q And it is producing from a non-standard  
11 proration unit which consists of the -- in the Mesaverde of  
12 the acreage which you are now seeking creation of non-standard  
13 proration units in the Fruitland and Pictured Cliffs?

14 A Correct.

15 Q Would you now refer to what has been  
16 marked Blackwood and Nichols Company Exhibit Number Three  
17 and explain to Mr. Stamets what this shows?

18 A Exhibit Number Three is the Northeast  
19 Blanco Unit Well No. 204, a Fruitland-Pictured Cliffs well,  
20 which was drilled and -- in 8-21-79. Well, I don't have  
21 when it was first delivered, but it was non-standard gas  
22 proration unit consisting of 185.68 acres, which authority  
23 was granted us by Rule 5-B, Order No. R-1670, and since --  
24 that date this well has been producing under that order  
25 number, allowable assigned by that number, order number.



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Q Now, Mr. Loos, are you also requesting the establishment of a non-standard proration unit in the southeast quarter of that section?

A Correct.

Q Are all wells that either have been drilled or will be drilled on these non-standard proration units drilled or proposed to be drilled at standard locations?

A Yes. Incidentally, the east half of that section is 181.40 acres.

Q So that would be the non-standard proration unit for the southeast quarter --

A Yes.

Q -- of Section 1.

A 1, for a Fruitland-Pictured Cliffs well.

Q Are all requested non-standard proration units the result of variations in the USGS survey?

A Yes.

Q What is the standard spacing in the Fruitland and in the Pictured Cliffs pools?

A 160 acres.

Q Do you have plans in the foreseeable future to drill a well on the non-standard proration unit to be comprised of the southeast quarter of Section 1?

A Yes.

1  
2 Q In your opinion will granting this ap-  
3 plication be in the best interest of conservation, the pre-  
4 vention of waste, and the protection of correlative rights?

5 A Yes, sir.

6 Q Were Exhibits One through Three compiled  
7 by you?

8 A Yes.

9 MR. CARR: At this time we would offer  
10 into evidence Applicant's Exhibits One through Three.

11 MR. STAMETS: These exhibits will be  
12 admitted.

13 MR. CARR: I have nothing further on  
14 direct.

15 MR. STAMETS: Any questions of this  
16 witness? He may be excused.

17 Anything further in this case?

18 The case will be taken under advisement.

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20 (Hearing concluded.)  
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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREPY CERTIFY that  
the foregoing Transcript of Hearing before the Oil Conserva-  
tion Division was reported by me; that the said transcript  
is a full, true, and correct record of the hearing, prepared  
by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.  
Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

I do hereby certify that the foregoing is  
a complete and correct transcript of the  
hearing held on 3-14-57 at 7:18 P.M.  
Richard P. Hunt Examiner  
Oil Conservation Division

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
11 March 1981

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I N D E X

DeIASSO LOOS

Direct Examination by Mr. Carr 3

E X H I B I T S

Applicant Exhibit One, Documents 5  
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Applicant Exhibit Three, Documents 7

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Q In your opinion will granting this application be in the best interest of conservation, the prevention of waste, and the protection of correlative rights?

A Yes, sir.

Q Were Exhibits One through Three compiled by you?

A Yes.

MR. CARR: At this time we would offer into evidence Applicant's Exhibits One through Three.

MR. STAMETS: These exhibits will be admitted.

MR. CARR: I have nothing further on direct.

MR. STAMETS: Any questions of this witness? He may be excused.

Anything further in this case?

The case will be taken under advisement.

(Hearing concluded.)

## C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.  
Rt. 1 Box 193-B  
Santa Fe, New Mexico 87501  
Phone (505) 433-7409

I do hereby certify that the foregoing is  
a complete and correct transcript of the  
the foregoing hearing held before me on \_\_\_\_\_,  
\_\_\_\_\_ 19\_\_\_\_.  
\_\_\_\_\_, Examiner  
Oil Conservation Division

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. SW 078288	
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 NEBU Agreement 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/SL - 840' F/WL At proposed prod. zone Same		9. WELL NO. 209	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Eleven miles		10. FIELD AND POOL, OR WILDCAT South Los Pinos-Fruitland PO	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OF LEASE OWNER, ET. (Also to nearest drg. unit line, if any)		11. SEC. T. E. M., OR BLE. AND SURVEY OR AREA L-6-31N-6W	
16. NO. OF ACRES IN LEASE 2560.00		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 176.68		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6425' GL		22. APPROX. DATE WORK WILL START* March 12, 1981	

## 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#	250'	Circulate
7 7/8"	4 1/2"	10.50#	3540'	Cover Ojo Alamo

NTL-6

- This action is subject to administrative  
appeal pursuant to 30 CFR 200.
- DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"
- (3) San Jose
- (6) Ojo Alamo 2110'; Kirtland 2285'; Lewis 3475'.
- (7) Fruitland 2925'; Pictured Cliffs 3285'.
- (9) 9 5/8" surface; 250 sacks Class B cement with 2% CaCl<sub>2</sub>; circulate to surface.  
4 1/2" Production casing; 265 sacks Howco Lite cement with 1/4# floccle per sack,  
followed with 225 sacks 50-50 Pozmix with 2% Gel and 1/4# floccle per sack to cover  
the Ojo Alamo formation.
- (10) A 3000 PSI WP; Series 10" - 900 - adapted to Series 10" - 600 and 6" - hydraulic  
blowout preventer equipped with blind and necessary pipe rams will be used with  
adequate kill and bleed off lines. Blowout preventer will be pressure tested after  
9 5/8" is set and will be tested as to operating condition during each trip while  
drilling. A rotating blowout preventer will also be used. (See schematic diagram)
- (11) A low water loss gel base drilling mud of sufficient weight to control the Fruitland  
Formation will be used while drilling the 7 7/8" hole.

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 TITLE District Manager DATE January 2, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: SIAS  
DISTRICT ENGINEER

OPERATOR

\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

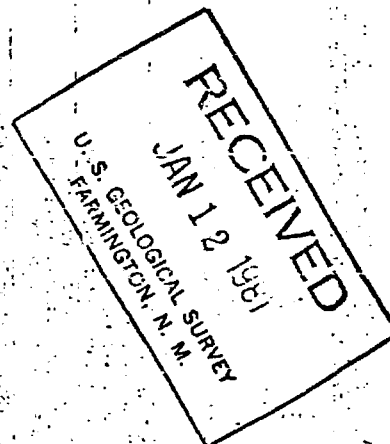
**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

(continued)

- (12) Induction Electric, Compensated Density and Neutron logs will be run. Possibly Drill Stem Tests may also be run.
- (13) Normal Fruitland field pressures are anticipated and will be controlled with sufficient weighted mud. No hydrogen sulfide is anticipated.



## WELL LOCATION AND ACREAGE DEDICATION PLAT

Supervisor's Certificate  
Effective 1-1-65

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

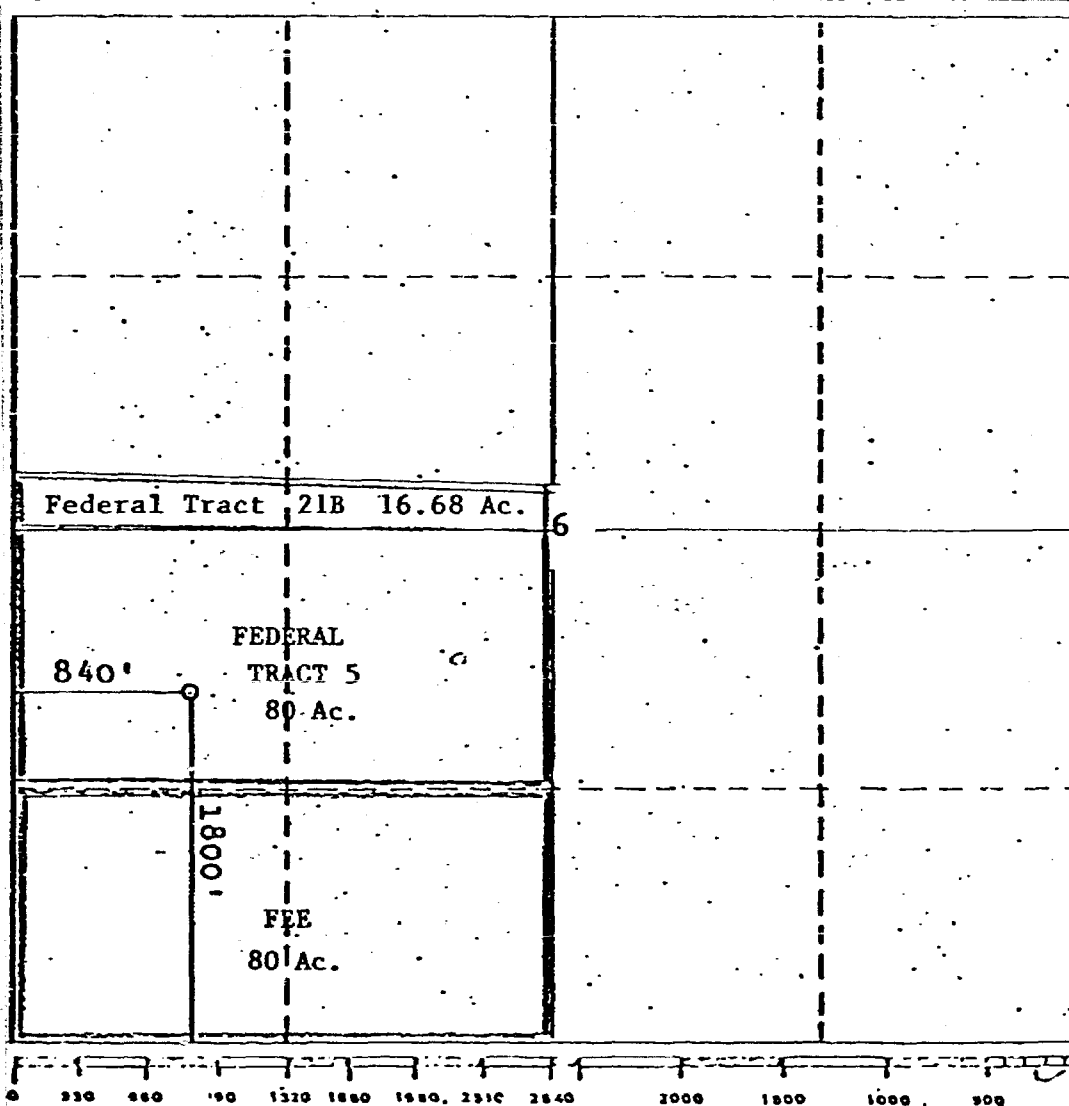
Operator <b>BLACKWOOD &amp; NICHOLS</b>		Lease <b>NORTHEAST BLANCO UNIT</b>		Well No. <b>209</b>
Unit Letter <b>L</b>	Section <b>6</b>	Township <b>31 N.</b>	Range <b>6W., N.M.P.M.</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well:				
1800 feet from the		South line and	840 feet from the	West line
Ground Level Elev: <b>6425 (U.G.)</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>South Los Pinos</b>	Dedicated Acreage: <b>176.68</b> 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 &amp; Nichols Co., Ltd.

Date

October 31, 1980

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

October 29, 1980

Registered Professional Engineer  
and/or Land Surveyor

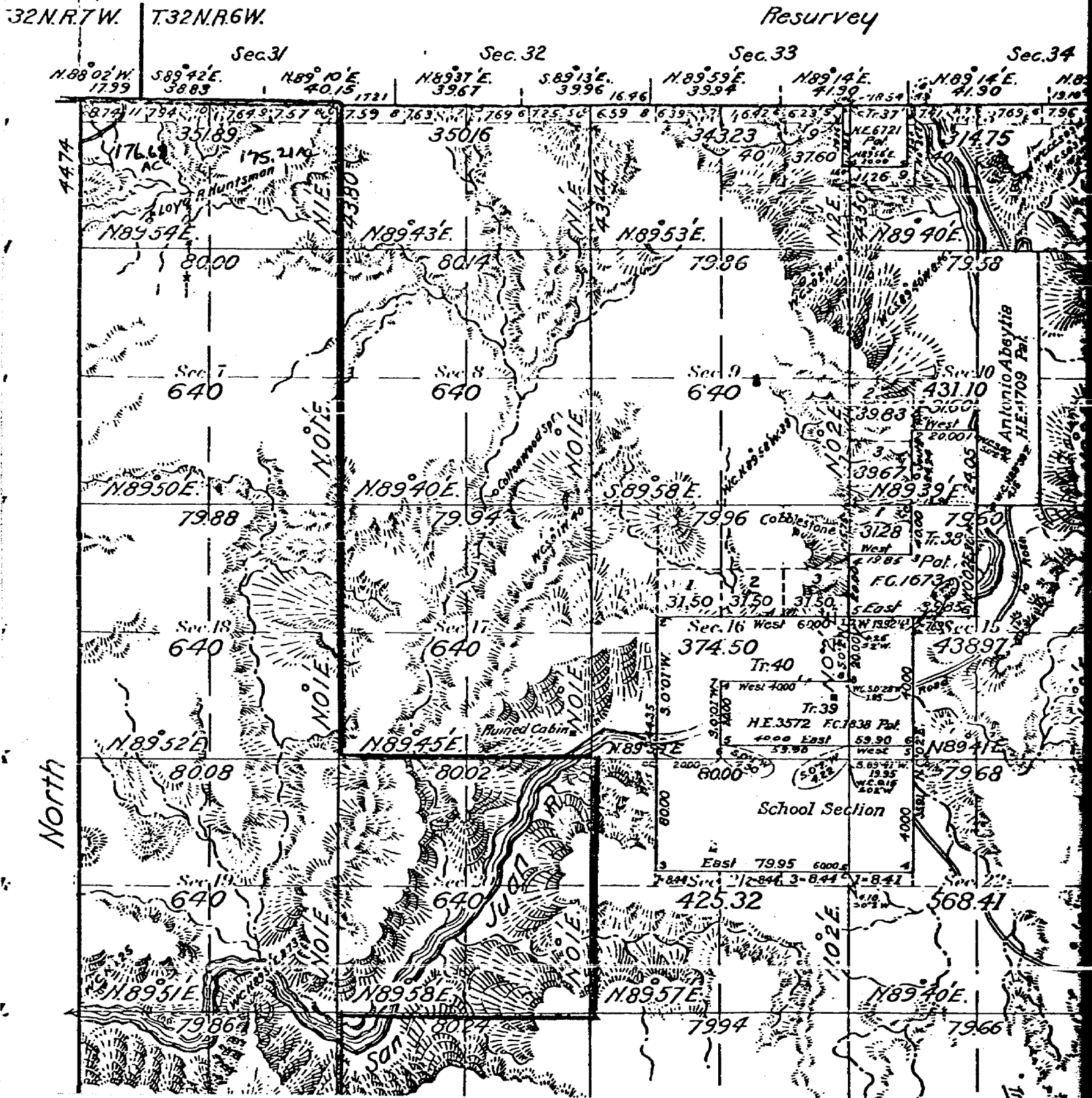
John A. Krenge, LS

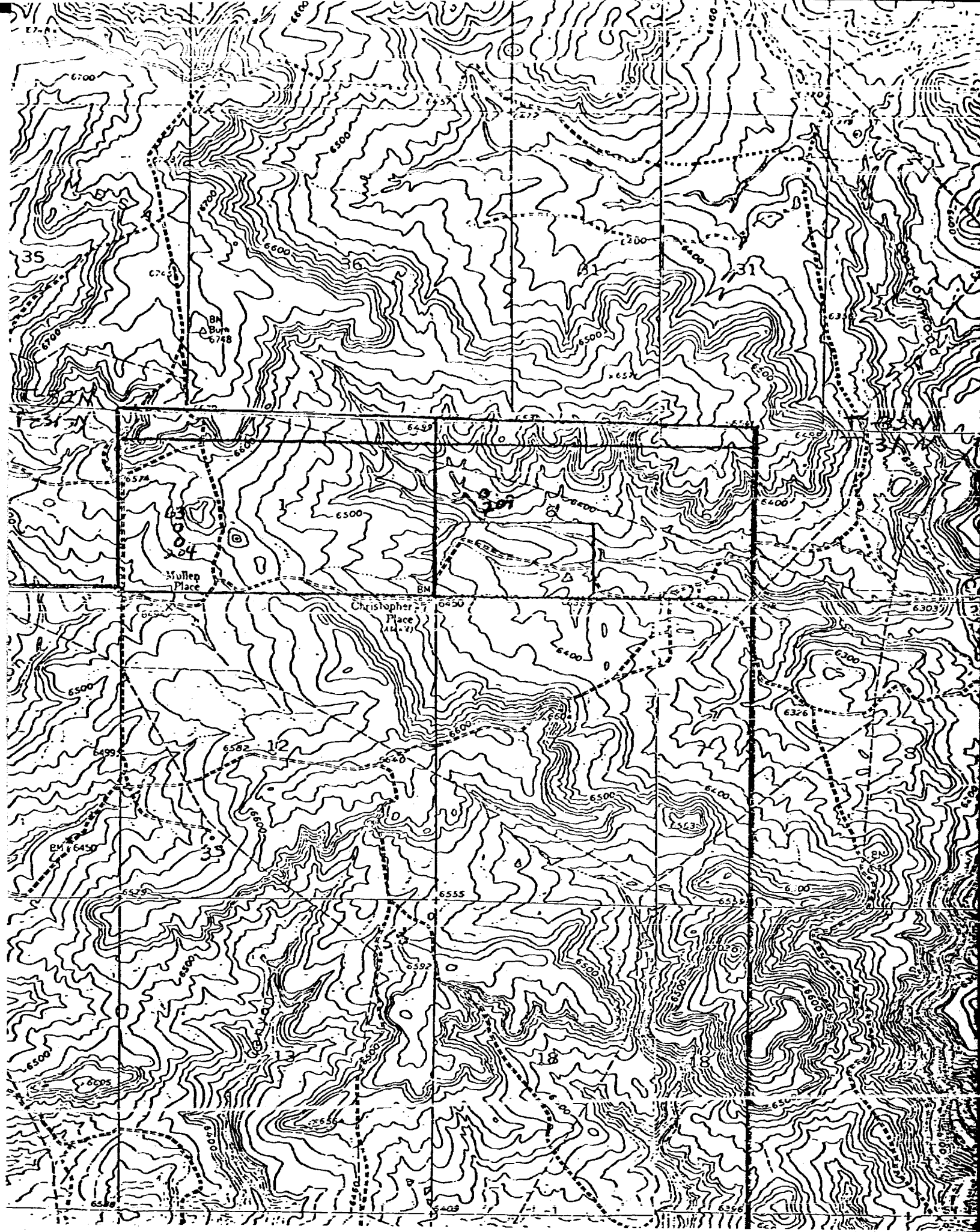
Certificate No.

1941



# Independent Resurvey of Township N° 31 North Range N° 6 West of the Ne





State of New Mexico

GOVERNOR  
BRUCE KING

DIRECTOR AND SECRETARY  
TO THE COMMISSION  
HAROLD F. OLSON



DEPARTMENT OF GAME AND FISH

STATE CAPITOL  
SANTA FE  
87503

STATE GAME COMMISSION

EDWARD MUNOZ, CHAIRMAN  
GALLUP

J.W. JONES  
ALBUQUERQUE

ROBERT H. FORREST  
CARLSBAD

ROBERT P. GRIFFIN  
SILVER CITY

BILL LITTELL  
CIMARRON


February 2, 1981

Mr. DeLasso Loos  
Blackwood and Nichols Company, Limited  
P. O. Box 1237  
Durango, Colorado 81301

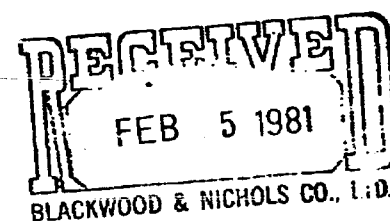
Dear Mr. Loos:

In response to your letter of January 9, 1981, you are hereby granted permission to use the existing road across our property in Section 6, T31N, R6W for the purpose of drilling and producing Well Number 209.

Sincerely yours,

  
Harold F. Olson  
Director

vm





File #63

NWU 3- 613

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

April 26, 1976

Blackwood & Nichols Co.  
Box 1237  
Durango, Colorado

Attention: Mr. Loos

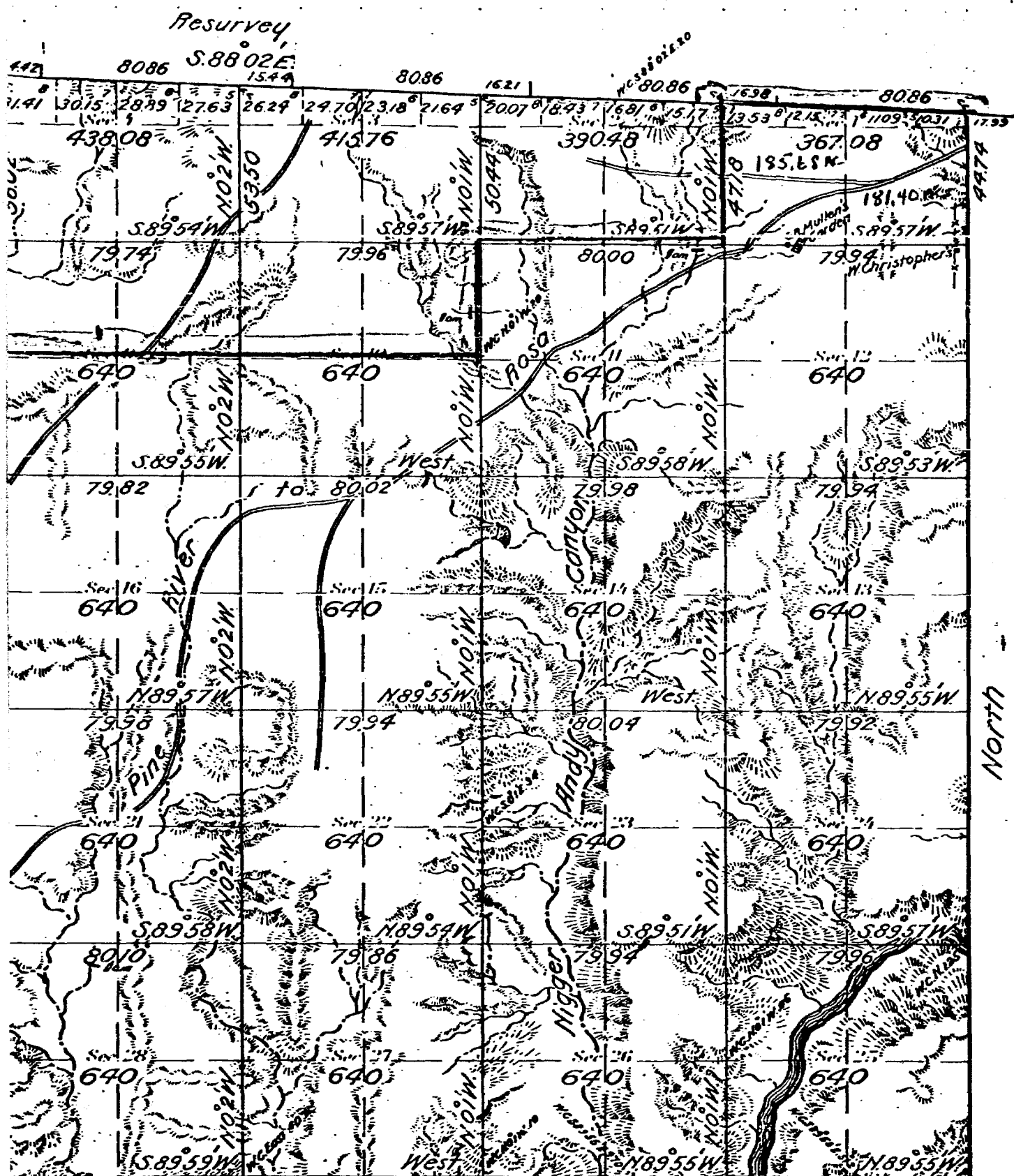
SUBJECT: NON-STANDARD GAS PRORATION UNIT CONSISTING OF 367.08 ACRES  
IN THE Blanco Mesaverde GAS POOL DESCRIBED AS  
FOLLOWS:

TOWNSHIP 31 NORTH, RANGE 7 WEST, NMPM  
SECTION: 1 S/2

By authority granted me by Rule 5(B) of Order No. R-1670, as amended, the  
above-described acreage has been approved as a non-standard gas proration  
unit to be dedicated to the Northeast Blanco Unit  
Well No. 63, located 1100/S; 990/W of said  
Section 1.

Al. Kendrick  
District Supervisor  
District #3

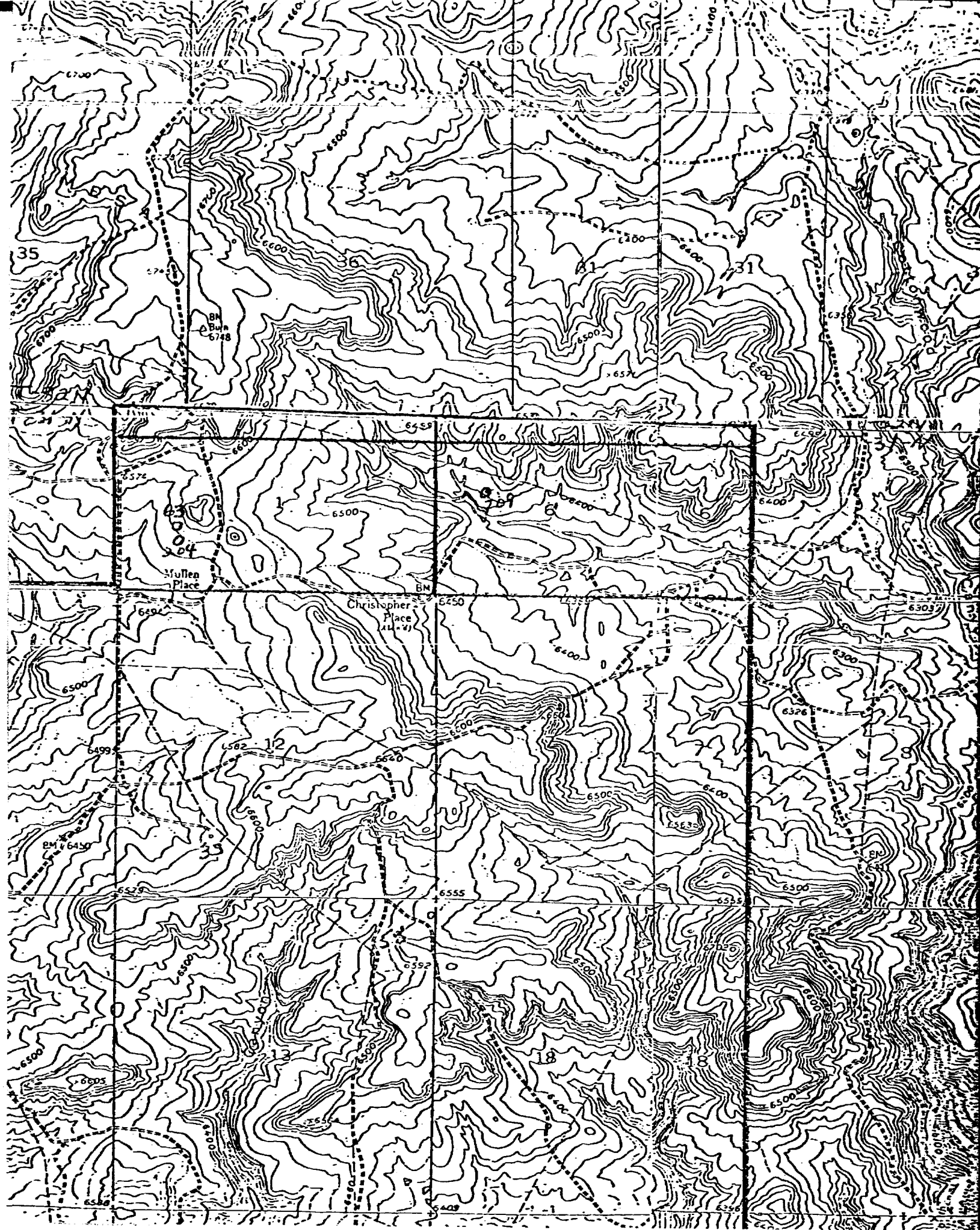
cc: Oil Conservation Commission  
Santa Fe, New Mexico



# Index to Segregated Tracts

**Indur-E**





NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-10,  
Superseded O-122  
Effective 1-1-65

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

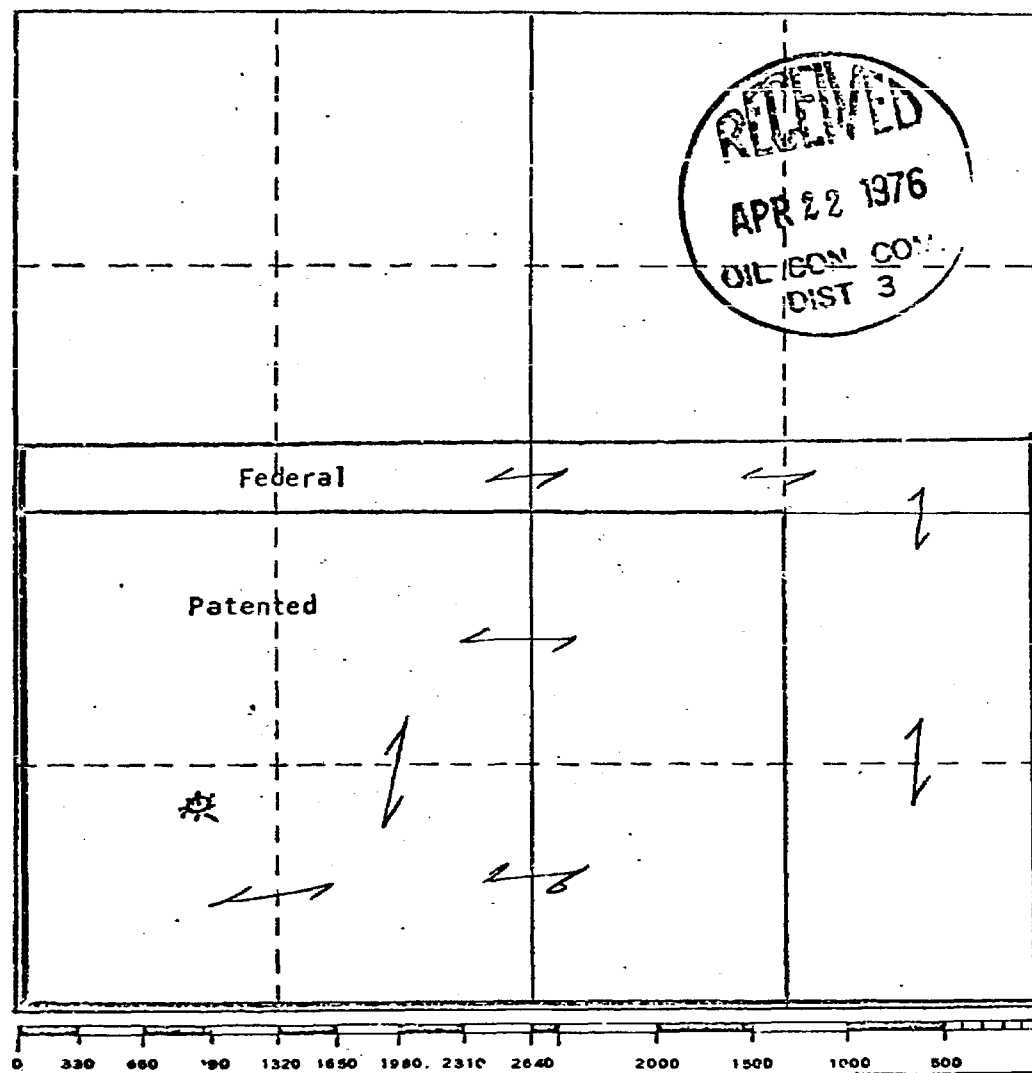
Operator <b>Blackwood &amp; Nichols Company</b>			Lease <b>Northeast Blanco Unit</b>		Well No. <b>63</b>
Unit Letter <b>M</b>	Section <b>1</b>	Township <b>31 N</b>	Range <b>7 W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1100</b> feet from the <b>South</b> line and <b>990</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6559</b>	Producing Formation <b>Mogaverde</b>		Pool <b>Blanco</b>	Dedicated Acreage <b>5/367.08</b> 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 Unitized

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 De Lasso

Position District Manager

Company Blackwood & Nichols Co.

Date April 22, 1976

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.



COMPANY BLACKWOOD & NICHOLS

LEASE N. E. Blanco Unit

WELL  
No. 63

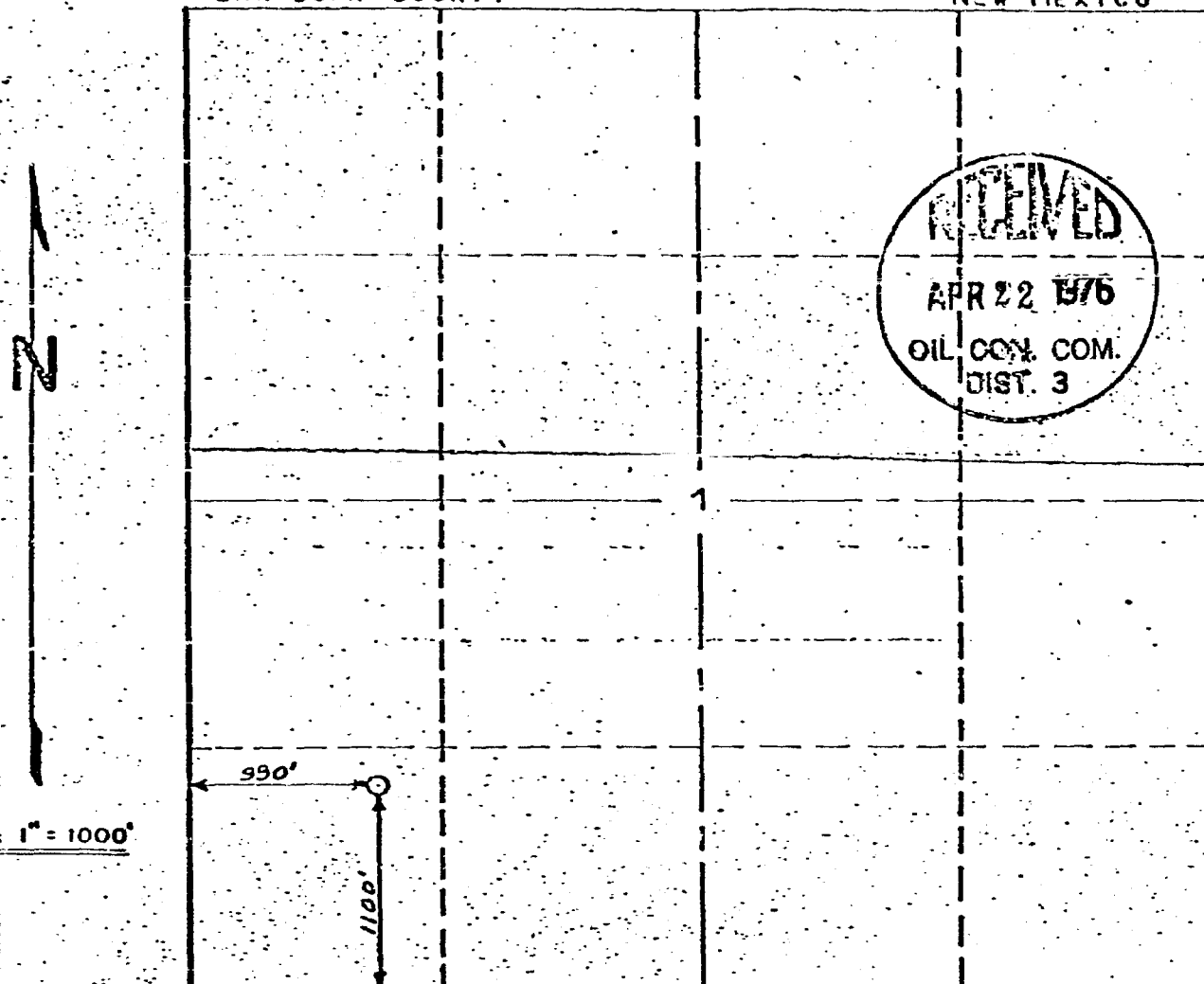
IRREGULAR SECTION 1 T. 31N. R. 7W. N.M.P.M.

LOCATION 1100' FROM THE SOUTH LINE  
990' FROM THE WEST LINE

ELEVATION UNGRADED GROUND ELEVATION -- 6559  
USGS DATUM

SAN JUAN COUNTY

NEW MEXICO



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

7.0

COPIES RECEIVED	16
DISTRIBUTION	
CONTACT	1
FILE	1
U.S.G.S.	2
LAND OFFICE	
OPERATOR	2

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-125  
Revised 1-1-75

1. TYPE OF WELL

2. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐

OIL WELL ☐

GAS WELL ☒

DRY ☐

OTHER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. PRESVR. ☐

OTHER ☐

3. Name of Operator

Blackwood & Nichols Company

4. Address of Operator

P. O. Box 1237, Durango, Colorado 81301

5. Location of Well

UNIT LETTER M LOCATED 1100 FEET FROM THE South LINE AND 990 FEET FROM

THE West LINE OF SEC. 1 TWP. 31N R. 7W N.M.P.M.

15. Date Spudded 10-7-76 16. Date T.D. Reached 10-20-76 17. Date Compl. (Ready to Prod.) 10-25-76 18. Elevations (DF, RKB, RT, CR, etc.) 6571' DF 19. Elev. Casinghead 6559'

20. Total Depth 6075' 21. Plug Back T.D. 6075' 22. If Multiple Compl., How Many          23. Intervals Drilled By Rotary Tools X Cable Tools         

24. Producing Interval(s), of this completion - Top, Bottom, Name

Point Lookout Zone 5820' - 6020'

25. Was Directional Survey Made Yes

26. Type Electric and Other Logs Run

Induction Gamma-Ray Compensated Density Neutron Log

27. Was Well Cored No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36.00	218'	12-1/4"	225 sacks	None
7"	23.00	3683'	8-3/4"	225 sacks	None
4-1/2"	10.50#	6072'	6-1/4"	325 sacks	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None							

31. Perforation Record (Interval, size and number)

Four per interval: 5820' - 5830' - 5840' -  
5858' - 5868' - 5924' -  
5994' - 6020'

32. FRACTURE, CEMENT SQUEEZE, ETC.

AMOUNT AND KIND MATERIAL USED  
80,220 gals. mini-max  
35,500 lbs. sand

3. Date First Production

Not Connected

PRODUCTION METHOD (Flowing, gas lift, pumping - Size and type pump)

Well Status (Prod. or Shut-in)

Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
11-2-76	3	3/4"			3285		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
265	785			6182			

4. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

5. List of Attachments

6. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signed D. P. DeLasso Title District Manager DATE 11-22-76

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate (except on state land, where six copies are required). See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	2280'	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	3060'	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	3396'	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	5496'	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	5560'	T. Madison
T. Queen	T. Silurian	T. Point Lookout	5810'	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	5980'	T. McCracken
T. San Andres	T. Simpson	T. Gallup		T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn		T. Granite
T. Paddock	T. Ellenburger	T. Dakota		T.
T. Hinebry	T. Gr. Wash	T. Morrison		T.
T. Tubb	T. Granite	T. Todilto		T.
T. Drinkard	T. Delaware Sand	T. Entrada		T.
T. Abo	T. Bone Springs	T. Wingate		T.
T. Wolfcamp	T.	T. Chinle		T.
T. Penn.	T.	T. Permian		T.
T. Cisco (Bough C)	T.	T. Penn. "A"		T.

## FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
2280'	2420'	140	Ojo Alamo				
2420'	3060'	640	Kirtland				
3060'	3396'	336	Fruitland				
3396'	3610'	214	Pictured Cliffs				
3610'	5190'	1580	Lewis Shale				
5190'	5496'	306	Massive Cliffhouse				
5496'	5560'	64	Cliffhouse				
5560'	5810'	250	Menefee				
5810'	5980'	170	Point Lookout				
5980'			Mancos				

COPIES RECEIVED	3
DISTRIBUTION	
DATE	1
LE	1
E.G.S.	
AND OFFICE	
PERATOR	1

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-104  
Effective 1-1-65

## SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐ GAS WELL ☒ OTHER ☐

Name of Operator  
**Blackwood & Nichols Company**

Address of Operator  
**P.O. Box 1237, Durango, Colorado 81301**

Location of Well  
UNIT LETTER **M** **1100** FEET FROM THE **South** LINE AND **990** FEET FROM THE **West** LINE, SECTION **1** TOWNSHIP **31N** RANGE **7W** N.M.P.M.

4. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name  
**NEBU Agrmt. No. 1, Sec 929**

8. Farm or Lease Name  
**Northeast Blanco Unit**

9. Well No.  
**63**

10. Field and Pool, or Wildcat  
**Blanco Mesaverde**

12. County  
**San Juan**

15. Elevation (Show whether DF, RT, GR, etc.)  
**6559 GL**

### Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

### 7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

On October 7, 1976, ran 7 jts, 9-5/8", H-40, 36# casing; 204' set at 218', cemented with 225 sacks class C cement with 2% CaCl<sub>2</sub>. Cement circulated; tested casing with 800 PSI for thirty minutes, held OK.

On October 16, 1976, ran 119 jts., 7", K-55, 23# casing; 3669' set at 3683', cemented with 125 sacks of Howco light cement with 1/4# flocele per sack and 2% CaCl<sub>2</sub> followed with 100 sacks class B cement with 1/4# flocele per sack with 2% CaCl<sub>2</sub>. Ran temperature survey top cement 2400'. Tested 7" casing with 1000 PSI for thirty minutes, held OK.

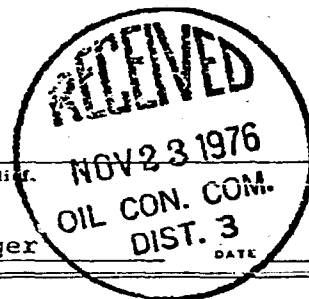
On October 20, 1976 ran 192 jts of 4-1/2", K-55, 10.50# casing; 6060; set at 6072'. Cemented with 225 sacks of class B Cement with 4% gel, .6% CFR-2 and 1/4# flocele per sack; followed with 100 sacks of class B cement with .3% HR-4 and 1/4# flocele per sack. Ran temperature survey, top of cement 3150'. Tested casing with 1000 PSI for thirty minutes, held OK.

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

SIGNED *DeLasso Loos* TITLE District Manager DATE 11-22-76

APPROVED BY *MR. Kendrick* TITLE SUPERVISOR DIST. #3 DATE NOV 23 1976

CONDITIONS OF APPROVAL, IF ANY:



NORTHWEST PIPELINE CORPORATION  
3539 East 30th Street  
Farmington, New Mexico

NOTICE OF GAS CONNECTION

DATE 3-31-77

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE  
OF GAS FROM Blackwood & Nichols Co. North East Blanco Unit #63  
Operator Well Name

86-936-01 1 M SW 1-31-7  
Meter Code Well Unit S-T-R.

Blanco, Mesaverde Northwest Pipeline Corp.  
Pool Name of Purchaser

WAS MADE ON 3-14-77 FIRST DELIVERY 3-15-77  
Date Date

AOF 6182

CHOKE NA

Northwest Pipeline Corp.  
Purchaser  
John E. Grace  
Representative  
Measurement Specialist  
Title

cc: Operator ✓  
Oil Conservation Commission - 2 copies  
Proration - D.O. Buterbaugh  
Production - R. W. Keener  
Production - Bob Fielder  
Land Department - Denver  
File

1	2	3	4	5
DISTRICT				
SANTA FE				
FILE				
U.S.G.S.				
LAND OFFICE				
TRANSPORTER	OIL			
	GAS			
OPERATOR				
PRODUCTION OFFICE				

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes O.M. C-104 and C-110  
Effective 1-1-65

Operator

Blackwood & Nichols Company

Address

P. O. Box 1237, Durango, Colorado 81301

Reason(s) for filing (Check proper box)

New Well

☒

Change in Transporter of:

Recompletion

☐

Oil

☐

Dry Gas

☒

Change in Ownership

☐

Casinghead Gas

☐

Condensate

☐

Other (Please explain)

If change of ownership give name  
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name

Northeast Blanco Unit

Well No.

63

Pool Name, including Formation

Bianco Mesaverde

Kind of Lease

State, Federal or Fee

Fee

Lease No.

Location

Unit Letter M : 1100 Feet From The South Line and 990 Feet From The West

Line of Section 1

Township 31N

Range 7W

NMPM,

San Juan

County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒

Inland Corporation

Address (Give address to which approved copy of this form is to be sent)

P.O. Box 1528, Farmington, New Mex. 87401

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒

Northwest Pipeline Corporation

Address (Give address to which approved copy of this form is to be sent)

P.O. Box 90 Farmington, New Mex. 87401

If well produces oil or liquids,  
give location of tanks.

Unit

Sec.

Twp.

Rge.

Is gas actually connected?

When

No

If this production is commingled with that from any other lease or pool, give commingling order number

None

COMPLETION DATA

Designate Type of Completion - (X)

Oil Well

Gas Well

New Well

Workover

Deepen

Plug Back

Some Revs.

Diff. Revs.

X

X

P.S.T.D.

RECEIVED BY	5
DISTRICT	
SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL 1 GAS 1
OPERATOR	1
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes OIL C-104 and C-110  
Effective 1-1-75

Operator  
**Blackwood & Nichols Company**

Address  
**P. O. Box 1237, Durango, Colorado 81301**

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:		Other (Please explain)	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Dry Gas	<input checked="" type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	Condensate	<input type="checkbox"/>

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name <b>Northeast Blanco Unit</b>	Well No. <b>63</b>	Pool Name, Including Formation <b>Bianco Mesaverde</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location				
Unit Letter <b>M</b>	Feet From The <b>1100</b>		Line and <b>South</b>	Feet From The <b>990</b>
Line of Section <b>1</b>	Township <b>31N</b>	Range <b>7W</b>	N.M.F.M., <b>San Juan</b> County	

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>Inland Corporation</b>	<b>P.O. Box 1523, Farmington, New Mex. 87401</b>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>Northwest Pipeline Corporation</b>	<b>P.O. Box 90 Farmington, New Mex. 87401</b>
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	<b>No</b>

If this production is commingled with that from any other lease or pool, give commingling order number: **None**

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Res'v.	Diff. Res'v.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Date Spudded <b>10-7-76</b>	Date Compl. Ready to Prod. <b>11-2-76</b>	Total Depth <b>6075'</b>	P.B.T.D. <b>6035'</b>					
Elevations (DF, RKB, RT, CR, etc.) <b>6559 GL</b>	Name of Producing Formation <b>Mesaverde</b>	Top Oil/Gas Pay <b>5820</b>	Tubing Depth <b>6010'</b>					
Perforations <b>5820' - 6020'</b>			Depth Casing Shoe <b>6072'</b>					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<b>12-1/4"</b>	<b>9-5/8"</b>	<b>218'</b>	<b>225</b>
<b>8-3/4"</b>	<b>7"</b>	<b>3683'</b>	<b>225</b>
<b>6-1/4"</b>	<b>4-1/2"</b>	<b>6072'</b>	<b>325</b>

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

GAS WELL

Actual Prod. Test - MCF/D <b>Q=3285</b>	Length of Test <b>3 hours</b>	Bbls. Condensate/MCF <b>None</b>	Gravity of Condensate <b>None</b>
Testing Method (pilot, back pr.) <b>Back Pressure</b>	Tubing Pressure (shot-in) <b>1025</b>	Casing Pressure (shot-in) <b>1025</b>	Choke Size <b>3/4"</b>

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*DeLasso Loos*  
(Signature)  
**DeLasso Loos**  
Field Superintendent  
(Title)  
**MAR 24 1977**  
(Date)

OIL CONSERVATION COMMISSION

**MAR 25 1977**  
APPROVED  
BY *DR. Rendrick*  
SUPERVISOR DIST. #3  
TITLE

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of conditions.



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## NEW MEXICO OIL CONSERVATION COMMISSION

30-046-23480  
Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well		Northeast Blanco Unit	
DRILL <input checked="" type="checkbox"/>	DEEPEN <input type="checkbox"/>	Agreement #1, Sec. 929	
OIL WELL <input type="checkbox"/>	CAS WELL <input checked="" type="checkbox"/>	8. Farm or Lease Name	
OTHER		Northeast Blanco Unit	
2. Name of Operator		9. Well No.	
Blackwood & Nichols Co., Ltd.		204	
3. Address of Operator		10. Field and Pool, or Wildcat	
P. O. Box 1237, Durango, Colorado 81301		South Los Pinos PC	
4. Location of Well		12. County	
UNIT LETTER M LOCATED 830 FEET FROM THE South LINE		San Juan	
AND 200 FEET FROM THE West LINE OF SEC. 1 TWP. 31N RGE. 7W NMPM			
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
3690'		Pictured Cliffs	Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6546' GL		Unknown	May 30, 1979

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13-3/4"	9-5/8"	36.00#	250'	200 Sx	Circulate
7-7/8"	4-1/2"	10.50#	3690'	175 Sx	2000'

We propose to perforate the Pictured Cliffs-Fruitland Zones and foam fracture to 30,000 gallons water with 140,000 lbs. sand in one stage. Fruitland 3060', Pictured Cliffs 3396', Lewis 3610'. A 3000 PSI WP; Series 10" - 900 adapted to Series 10" - 600 hydraulic blow out 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.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED.

EXPIRES 7-24-79



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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

DeLasso Loos Title District Manager Date April 19, 1979

(This space for State Use)

APPROVED BY Frank S. Clary TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE APR 25 1979

CONDITIONS OF APPROVAL, IF ANY:

Write MSU



NEW MT. CO. OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-178  
Effective 1-1-65

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

Operator <b>BLACKWOOD &amp; NICHOLS</b>		Lease <b>NORTHEAST BLANCO UNIT</b>		Well No. <b>204</b>
Unit Letter <b>M</b>	Section <b>1</b>	Township <b>31 N.</b>	Range <b>7W., N.M.P.M.</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well: <b>830</b> feet from the <b>south</b> line and <b>990</b> feet from the <b>west</b> line				
Ground Level Elev. <b>6546 UG</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>South Los Pinos Pictured Cliffs</b>	Dedicated Acreage: <b>185.68</b> Acres	

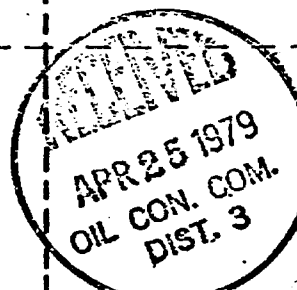
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

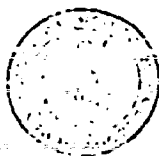
☒ Yes ☐ No If answer is "yes," type of consolidation Unitization

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.

		<p align="center"><b>CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>DeLasso Loos</i> Name <b>DeLasso Loos</b> Position <b>District Manager</b> Company <b>Blackwood &amp; Nichols Co., Ltd.</b> Date <b>April 19, 1979</b></p>	
		<p>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.</p> <p>Date Surveyed <b>April 13, 1979</b> Registered Professional Engineer and/or Land Surveyor <i>John A. Kroeger</i> <b>John A. Kroeger, L.S.</b> Certificate No. <b>1941</b></p>	





BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

April 30, 1979

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, CO 80301

NWU 3-801

SUBJECT: NON-STANDARD GAS PRORATION UNIT CONSISTING OF 185.68  
ACRES IN THE South Los Pinos Fruitland-Pictured Cliffs ext. GAS  
POOL DESCRIBED AS FOLLOWS:

TOWNSHIP 31 NORTH, RANGE 7 WEST, NORTH

SECTION: 1 SW/4

By authority granted me by Rule 5 (B) of Order R-1670, as amended, the above-described acreage has been approved as a non-standard gas proration unit to be dedicated to the Northeast Blanco Unit  
well no. 204, located 830/S; 990/W of said  
Section 1.

  
Supervisor, District #3

xc: Oil Conservation Division  
Santa Fe, New Mexico

## Index to Segregated Tracks

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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-101  
Effective 1-1-65

## SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator  
Blackwood & Nichols Co., Ltd.

3. Address of Operator  
P. O. Box 1237, Durango, Colorado 81301

4. Location of Well  
UNIT LETTER M 830 FEET FROM THE South LINE AND 990 FEET FROM  
THE West LINE, SECTION 1 TOWNSHIP 31N RANGE 7W N.M.P.M.

15. Elevation (Show whether DF, RT, GR, etc.)  
6546' GL

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name  
Northeast Blanco Unit  
Agrmt. No. 1, Sec. 929

8. Farm or Lease Name  
Northeast Blanco

9. Well No.  
204

10. Field and Pool, or Wildcat  
South Los Pinos PC

12. County  
San Juan

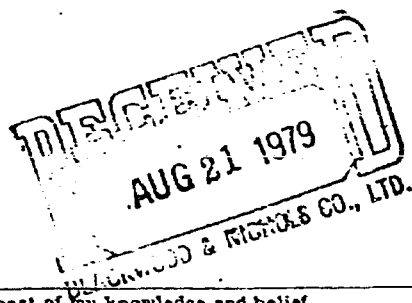
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPERATIONS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1102.

08-08-79  
Tested 9 5/8" casing to 800 PSI for thirty minutes; held O.K. Spudded 12 1/4" hole at 10:30 A.M., 08-08-79. Ran 5 jts 9 5/8" 36.00# H-40 casing; 204' set at 217'. Cemented with 150 sacks class B cement with 1/4# flocele per sack and 2% CaCl<sub>2</sub>; cement circulated.

08-13-79  
Ran 113 jts 4 1/2" 10.50# K-55 casing; 3675' set at 3686'. Float collar at 3635'; cemented with 265 sacks Howco Lite cement with 1/4# flocele per sack, followed with 222 sacks 50-50 Pozmix with 2% gel and 1/4# flocele per sack.



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

SIGNED DeLasso Loos TITLE District Manager DATE 08-14-79

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE AUG 15 1979

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**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form C-105  
Revised 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

10. TYPE OF WELL	
OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>
b. TYPE OF COMPLETION	
NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/>	DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>

7. Unit Agreement Name
NEBU Agrmt. No. 1 Sec 92
8. Farm or Lease Name
Northeast Blanco Unit
9. Well No.
204

2. Name of Operator	
Blackwood & Nichols Co., Ltd.	
3. Address of Operator	
P.O. Box 1237, Durango, Colorado 81301	
4. Location of Well	

10. Field and Pool, or Wildcat
South Los Pinos PC

UNIT LETTER <u>M</u> LOCATED <u>830</u> FEET FROM THE <u>South</u> LINE AND <u>990</u> FEET FROM	
THE <u>West</u> LINE OF SEC. <u>1</u> TWP. <u>31N</u> RGE. <u>7W</u> NMPM	

12. County
San Juan

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, CR, etc.)	19. Elev. Casinghead
8-8-79	8-13-79	8-21-79	6546' GL	6544'
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
3680'	3640'		3680'	

25. Was Directional Survey Made
Yes

24. Producing Interval(s), of this completion - Top, Bottom, Name	
3404' - 3598' Fruitland - Pictured Cliffs	

26. Type Electric and Other Logs Run	
Gamma Ray Correlation & Cement Bond	
27. Was Well Cored	
No	

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.00	217'	12 1/4"	150 Sacks Class B	
4 1/2"	10.50	3686'	7 7/8"	487 Sacks	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	3580'	

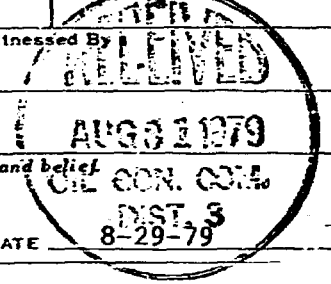
31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
3404', 3412', 3420', 3428', 3442', 3498'		DEPTH INTERVAL	
3518', 3530', 3528', 3548', 3574' 3598'		AMOUNT AND KIND MATERIAL USED	
Twenty-four holes.		3404' - 3598' 48,048 gals gel water	
		75,000 lbs 10-20 sand	

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Not Connected						Shut-in	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8-29-79	3 Hours	3/4"			4476		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
350	745			40F=5914			

34. Disposition of Gas (Sold, used for fuel, vented, etc.)		Test Witnessed By	
Vented			

35. List of Attachments
-------------------------

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief	
SIGNED <u>DeLasso Loos</u>	TITLE <u>District Manager</u> DATE <u>8-29-79</u>



This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except in state land, where six copies are required. See Rule 1103.

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	2280	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	2420	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	3472	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House		T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee		T. Madison
T. Queen	T. Silurian	T. Point Lookout		T. Elbert
T. Grayburg	T. Montoya	T. Mancos		T. McCracken
T. San Andres	T. Simpson	T. Gallup		T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn		T. Granite
T. Paddock	T. Ellenburger	T. Dakota		T.
T. Blaine	T. Gr. Wash	T. Morrison		T.
T. Tubb	T. Granite	T. Todilto		T.
T. Drinkard	T. Delaware Sand	T. Entrada		T.
T. Abso	T. Bone Springs	T. Wingate		T.
T. Wolfcamp	T.	T. Chinle		T.
T. Penn.	T.	T. Permian		T.
T. Cisco (Bough C)	T.	T. Penn. "A"		T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1185	1185	Tertiary				
1185	2280	1095	Animas				
2280	2420	140	Ojo Alamo				
2420	3060	640	Kirtland				
3060	3472	412	Fruitland				
3472	3650	178	Pictured Cliffs				
3650	—	—	Lewis				

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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

Operator  
Blackwood & Nichols Co., Ltd.  
Address  
P. O. Box 1237, Durango, Colorado 81301

Reason(s) for filing (Check proper box) Other (Please explain)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Northeast Blanco Unit	204	South Los Pinos PC - Fruitland	State, Federal or Fee Fee	
Location				
Unit Letter	M	: 830 Feet From The	South Line and	990 Feet From The West
Line of Section	1	Township	31N	Range 7W, NMPM, San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Inland Corporation	P. O. Box 1528 Farmington, New Mexico 87401
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	P. O. Box 90, Farmington, New Mexico 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	NO

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
8-8-79	8-21-79	3680'	3640'					

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. SF 078988
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 Co., Ltd.		7. UNIT AGREEMENT NAME NEBU Agreement 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/SL - 840' F/WL At proposed prod. zone Same		9. WELL NO. 209
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Eleven miles		10. FIELD AND POOL, OR WILDCAT South Los Pinos-Fruitland P
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., S., M., OR B.L. AND SURVEY OR AREA L-6-31N-6W
16. NO. OF ACRES IN LEASE 2560.00		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 176.68		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether: DF, RT, GR, etc.) 6425' GL		22. APPROX. DATE WORK WILL START* March 12, 1981

## 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#	250'	Circulate
7 7/8"	4 1/2"	10.50#	3540'	Cover Ojo Alamo

NTL-6

(3) San Jose

(6) Ojo Alamo 2110'; Kirtland 2285'; Lewis 3475'.

(7) Fruitland 2925'; Pictured Cliffs 3285'.

(9) 9 5/8" surface; 250 sacks Class B cement with 2% CaCl<sub>2</sub>; circulate to surface.  
4 1/2" Production casing; 265 sacks Howco Lite cement with 1/4# flocele per sack,  
followed with 225 sacks 50-50 Pozmix with 2% Gel and 1/4# flocele per sack to cover  
the Ojo Alamo formation.(10) A 3000 PSI WP; Series 10" - 900 - adapted to Series 10" - 600 and 6" - hydraulic  
blowout preventer equipped with blind and necessary pipe rams will be used with  
adequate kill and bleed off lines. Blowout preventer will be pressure tested after  
9 5/8" is set and will be tested as to operating condition during each trip while  
drilling. A rotating blowout preventer will also be used. (See schematic diagram)(11) A low water loss gel base drilling mud of sufficient weight to control the Fruitland  
Formation will be used while drilling the 7 7/8" hole.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 January 2, 1981

(This space for Federal or State office use)

PERMIT NO. *ED 001* APPROVAL DATE  
APPROVED BY *J. B. Williams* TITLE OPERATOR  
CONDITIONS OF APPROVAL, IF ANY: *SIAS*  
DISTRICT ENGINEER

\*See Instructions On Reverse Side



## Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

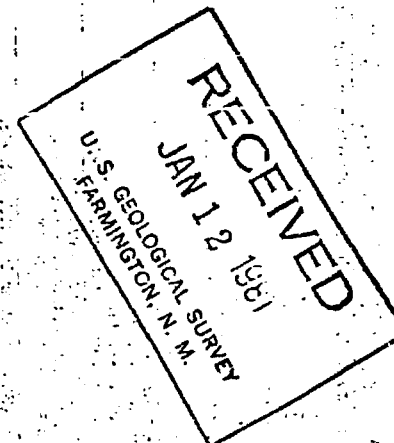
Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

(continued)

- (12) Induction Electric, Compensated Density and Neutron logs will be run. Possibly Drill Stem Tests may also be run.
- (13) Normal Fruitland field pressures are anticipated and will be controlled with sufficient weighted mud. No hydrogen sulfide is anticipated.



## WELL LOCATION AND ACREAGE DEDICATION PLAT

Supplies C-128  
Effective 1-1-65

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

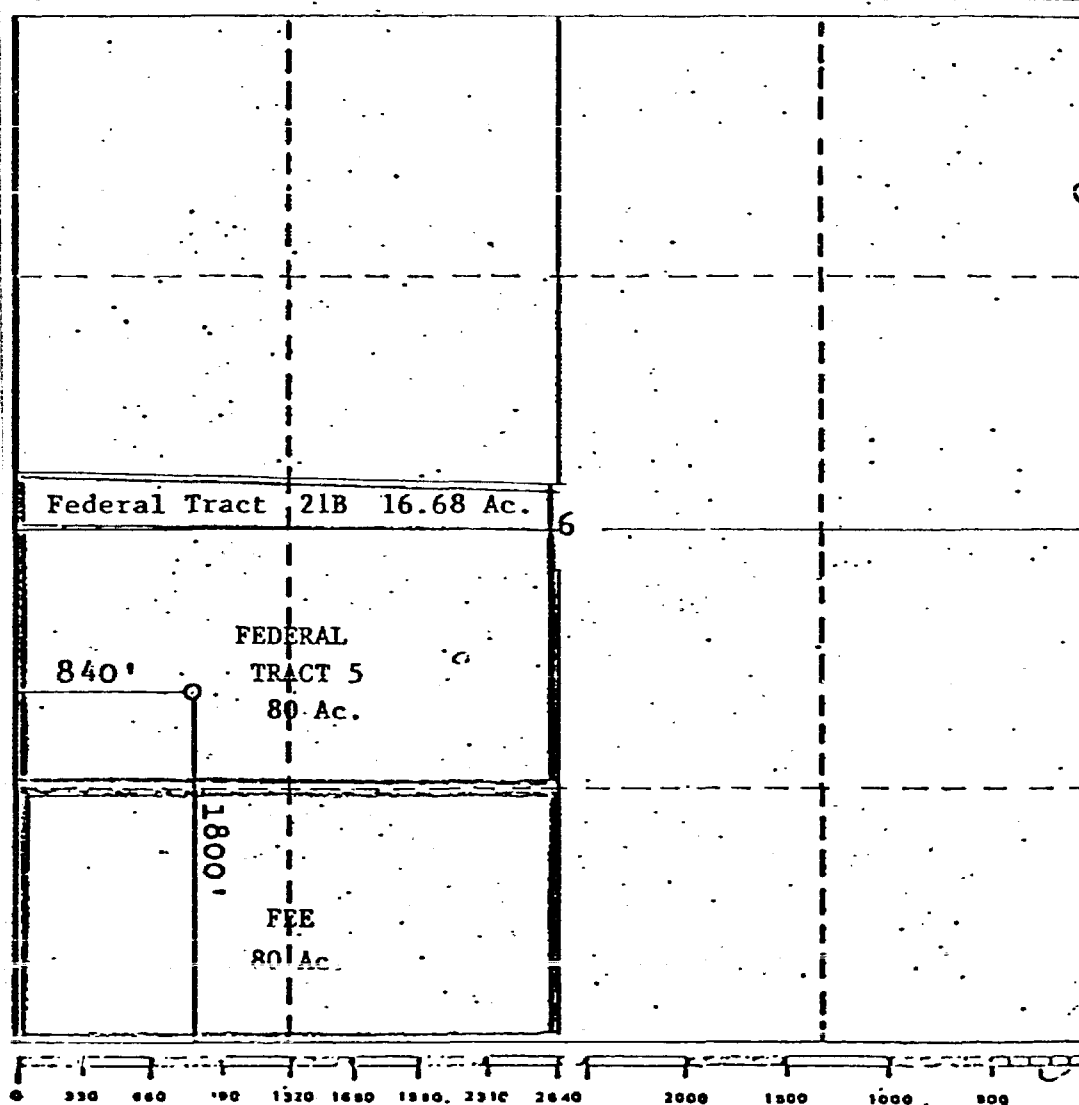
Operator <b>BLACKWOOD &amp; NICHOLS</b>			Lease <b>NORTHEAST BLANCO UNIT</b>		Well No. <b>209</b>
Unit Letter <b>L</b>	Section <b>6</b>	Township <b>31 N.</b>	Range <b>6W., N.M.P.H.</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span>1800 feet from the</span> <span>southline and</span> <span>840 feet from the</span> <span>west</span> </div>					
Ground Level Elev: <b>6425 (U.G.)</b>	Producing Formation <b>Fruitland</b>	Pool <b>South Los Pinos</b>	Dedicated Acreage: <b>176.68</b> Acres		
	<b>Pictured Cliffs</b>	<b>Pictured Cliffs</b>			

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.

*DeLasso Loos*  
Name

DeLasso Loos

Position  
District Manager

Company  
Blackwood & Nichols Co., Ltd.

Date  
October 31, 1980

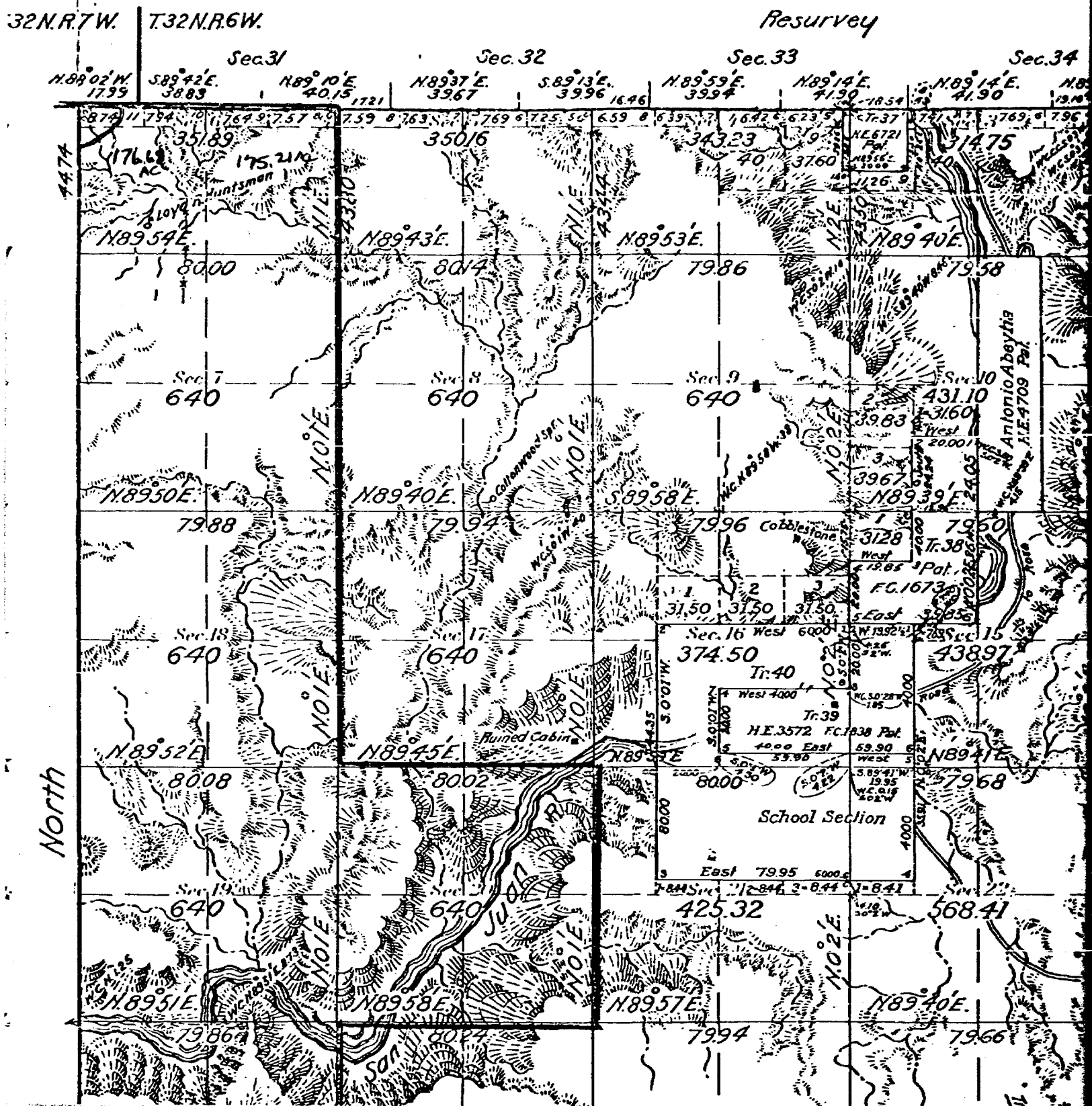
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

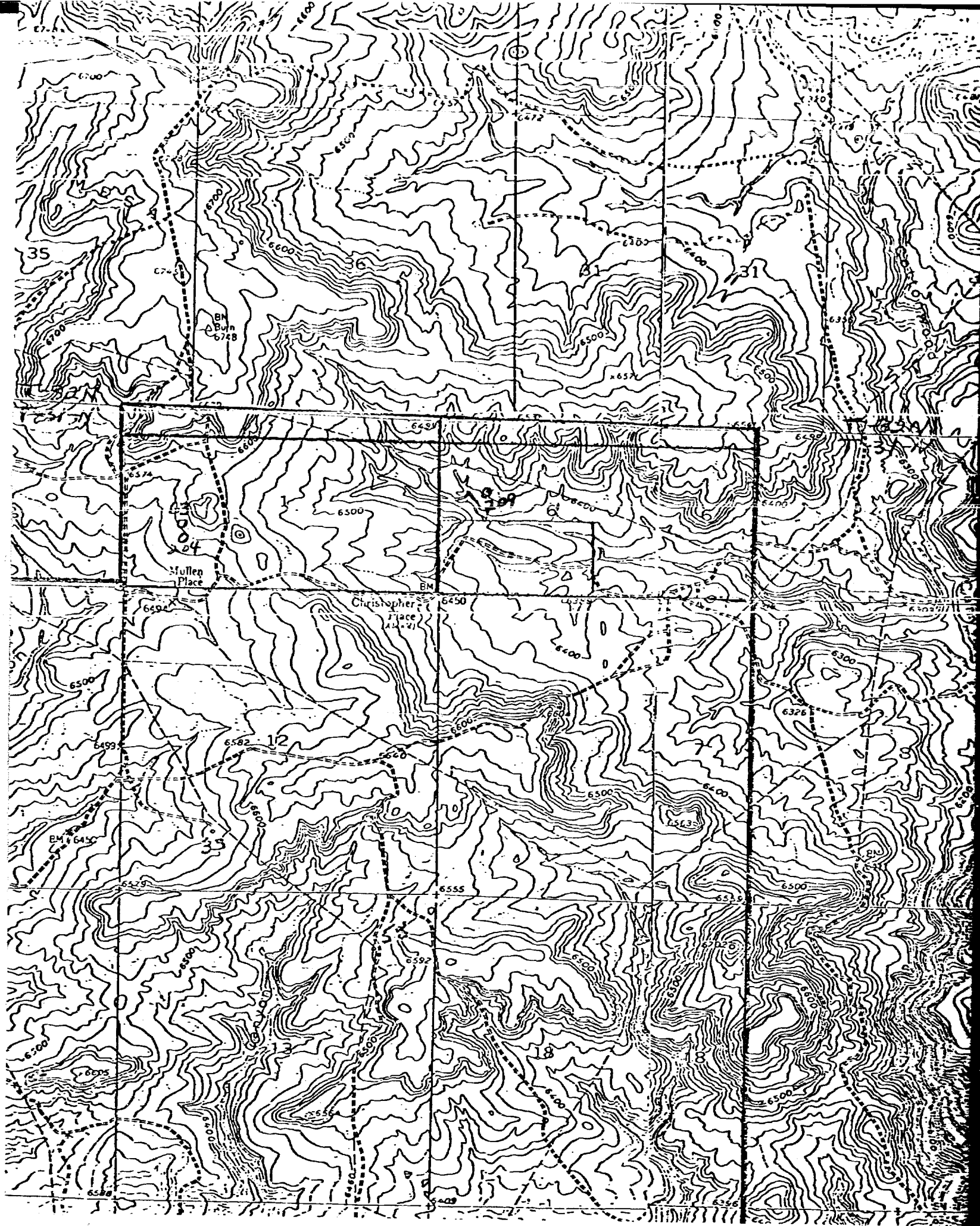
Date Surveyed  
October 29, 1980

Registered Professional Engineer  
and/or Land Surveyor

*John A. Hengge*  
John A. Hengge, L.S.

Certificate No.  
1941





State of New Mexico

GOVERNOR  
BRUCE KING  
DIRECTOR AND SECRETARY  
TO THE COMMISSION  
HAROLD F. OLSON



DEPARTMENT OF GAME AND FISH

STATE CAPITOL  
SANTA FE  
87503

STATE GAME COMMISSION  
EDUARDO MUNOZ, CHAIRMAN  
GALLUP  
J.W. JONES  
ALBUQUERQUE  
ROBERT M. FORREST  
CARLSBAD  
ROBERT P. GRIFFIN  
SILVER CITY  
BILL LITTELL  
CIMARRON


February 2, 1981

Mr. DeLasso Loos  
Blackwood and Nichols Company, Limited  
P. O. Box 1237  
Durango, Colorado 81301

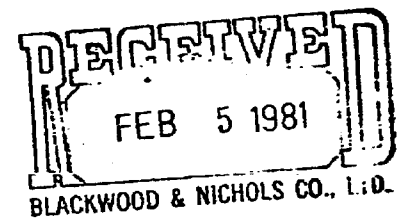
Dear Mr. Loos:

In response to your letter of January 9, 1981, you are hereby granted permission to use the existing road across our property in Section 6, T31N, R6W for the purpose of drilling and producing Well Number 209.

Sincerely yours,

  
Harold F. Olson  
Director

vm



DATE OF FILING	FILE	UNIT	LAND OFFICE	TRANSPORTED	OPERATION OFFICE	OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Form C-101  
Revised (12/2/55)

APR 30-045-22092

# NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission. If State Land submit 6 Copies Attach Form C-128 in triplicate to first 3 copies of form C-101

Durango, Colorado  
(Place)

April 21, 1976  
(Date)

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Gentlemen:

You are hereby notified that it is our intention to commence the Drilling of a well to be known as  
Blackwood & Nichols Company (Operator)

(Compet. or Operator)

Northeast Blanco Unit  
(Lease)

Well No. 63

in M  
(Unit)

The well is

located 1100 feet from the South line and 990 feet from the

West

Line of Section 1

T. 31N

R. 7W

NMPM.

(GIVE LOCATION FROM SECTION LINE)

Blanco Mesaverde

Pool,

San Juan

County

If State Land the Oil and Gas Lease is No.

If patented land the owner is Orbit R. Mullen

Address Durango, Colorado

We propose to drill well with drilling equipment as follows: Rotary Rig

The status of plugging bond is

Drilling Contractor Unknown

We intend to complete this well in the Mesaverde Formation

formation at an approximate depth of 5900' feet.

## CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
12 1/4"	9-5/8"	36.00#	New	300'	Circulate
8 1/2"	7"	23.00#	New	3750'	Circulate
6 1/2"	4-1/2"	10.50#	New	5900'	Cement to 3500'

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES July 21, 1976

Approved  
Except as follows:

APR 22 1976

Sincerely yours,

Blackwood & Nichols Company  
(Company or Operator)

By De La Sosa Loos

Position District Manager

Send Communications regarding well to

Name Blackwood & Nichols Company

Address P.O. Box 1237, Durango, Co. 81301

OIL CONSERVATION COMMISSION

By [Signature]  
SUPERVISOR DIST. #3

File #63

NWU 3- 613

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

April 26, 1976

Blackwood & Nichols Co.  
Box 1237  
Durango, Colorado

Attention: Mr. Loos

SUBJECT: NON-STANDARD GAS PRORATION UNIT CONSISTING OF 367.08 ACRES  
IN THE Blanco Mesaverde GAS POOL DESCRIBED AS  
FOLLOWS:

TOWNSHIP 31 NORTH, RANGE 7 WEST, NMPM

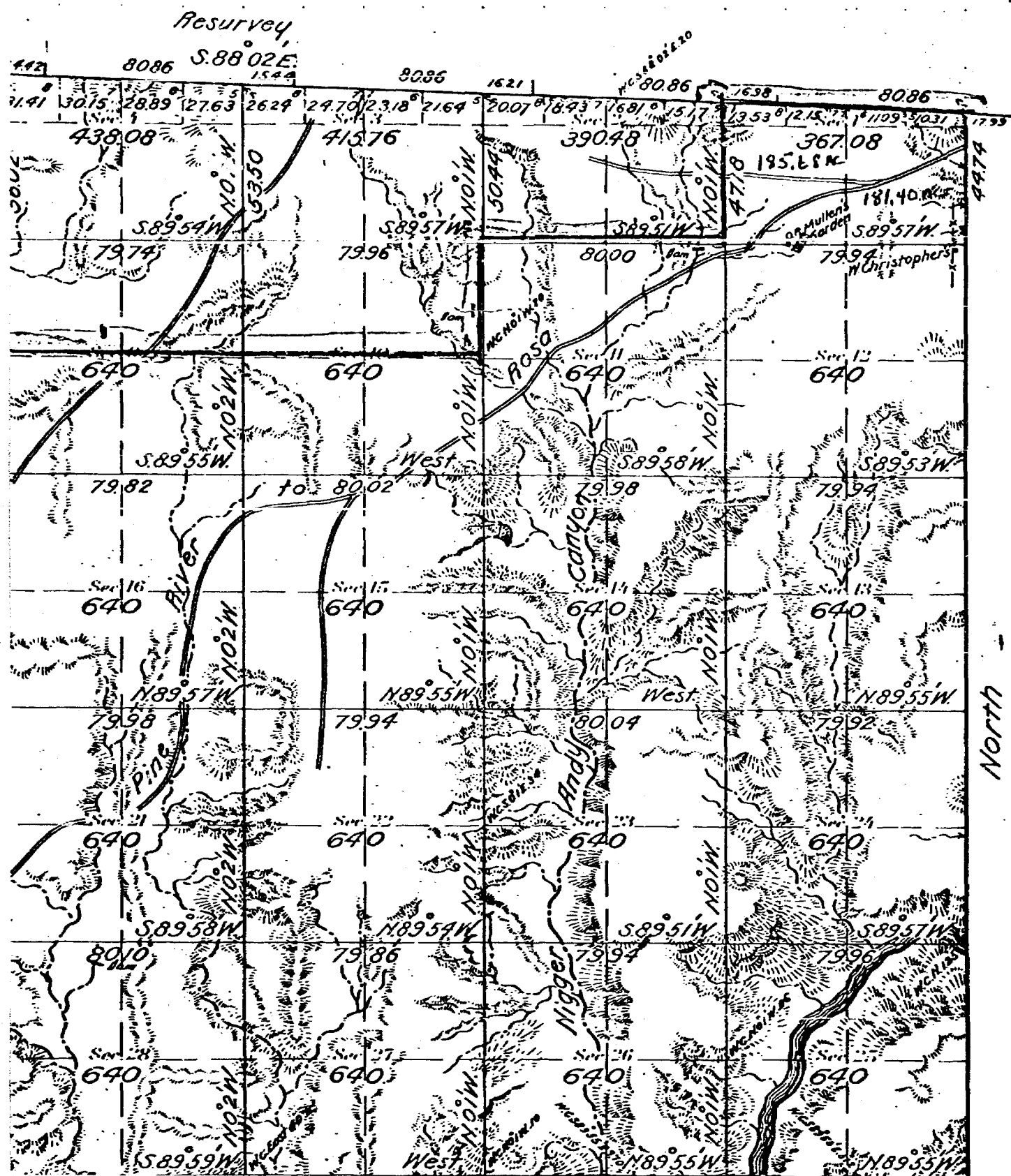
SECTION: 1 S/2

By authority granted me by Rule 5(8) of Order No. R-1670, as amended, the  
above-described acreage has been approved as a non-standard gas proration  
unit to be dedicated to the Northeast Blanco Unit  
Well No. 63, located 1100/S; 990/W of said  
Section 1.

Alfred Kendrick  
District Supervisor  
District #3

cc: Oil Conservation Commission  
Santa Fe, New Mexico

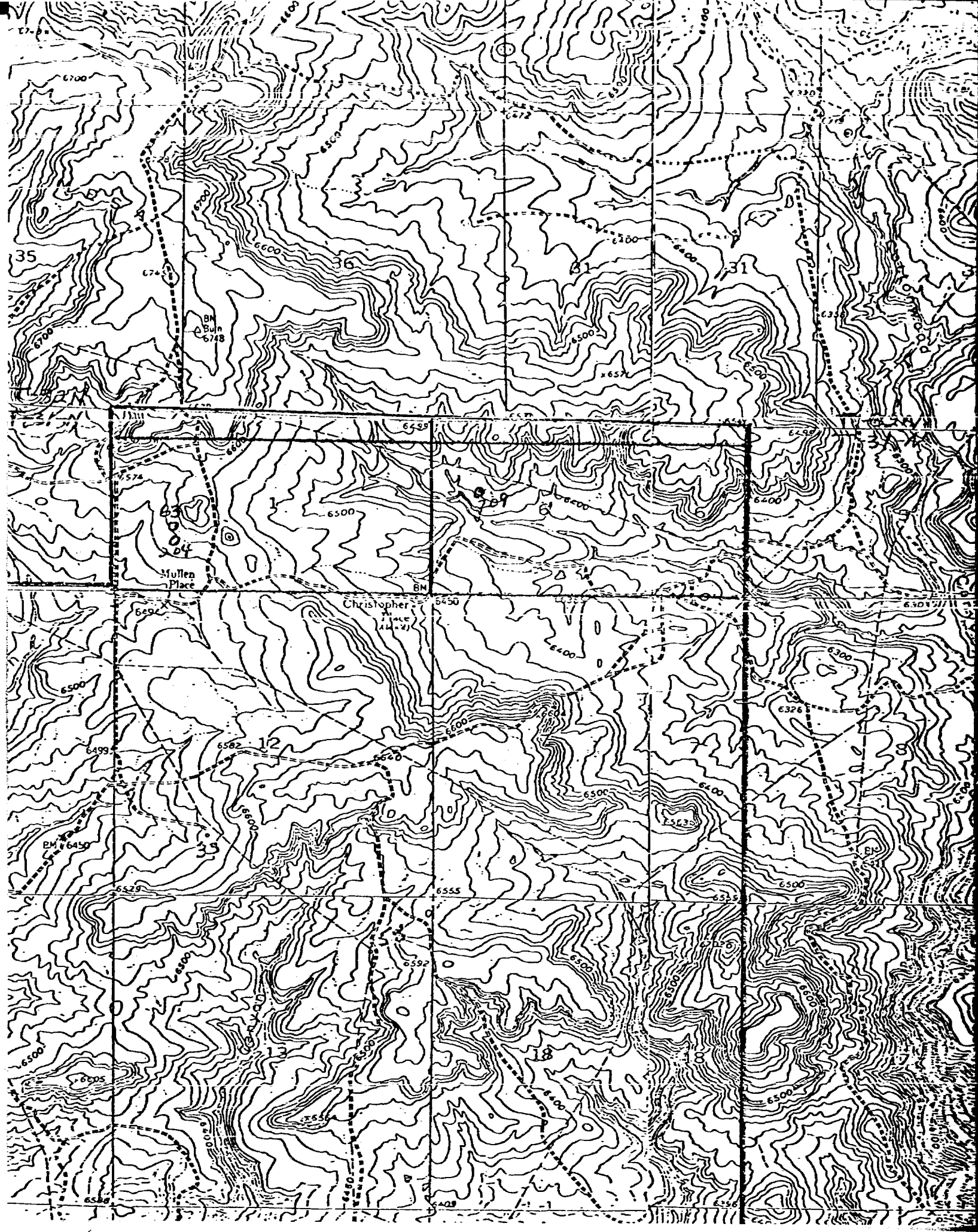




# Index to Segregated Tracks

**Public-E**





NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-11  
Supersedes O-128  
Effective 1-1-65

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

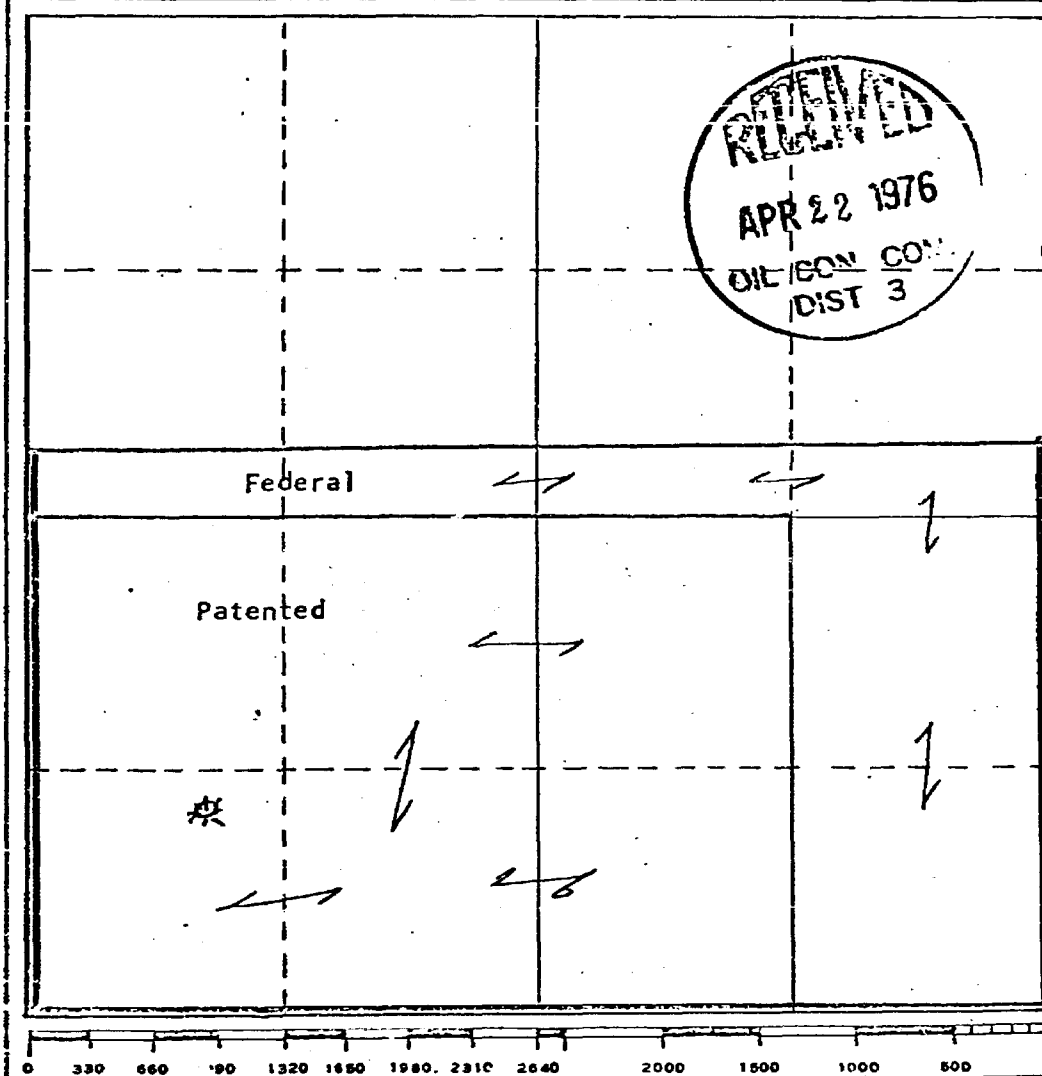
Operator <b>Blackwood &amp; Nichols Company</b>			Lease <b>Northeast Blanco Unit</b>		Well No. <b>63</b>
Unit Letter <b>M</b>	Section <b>1</b>	Township <b>31 N</b>	Range <b>7 W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1100</b> feet from the <b>South</b> line and <b>990</b> feet from the <b>West</b> line					
Ground Level Elev: <b>6559</b>	Producing Formation <b>Mezaverde</b>		Pool <b>Blanco</b>	Dedicated Acreage: <b>5/367.08</b> 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 Unitized

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 R. Lasso Lora  
Position District Manager  
Company Blackwood & Nichols Co.  
Date April 22, 1976

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.

COMPANY BLACKWOOD & NICHOLS

LEASE N. E. Blanco Unit

WELL  
No. 62

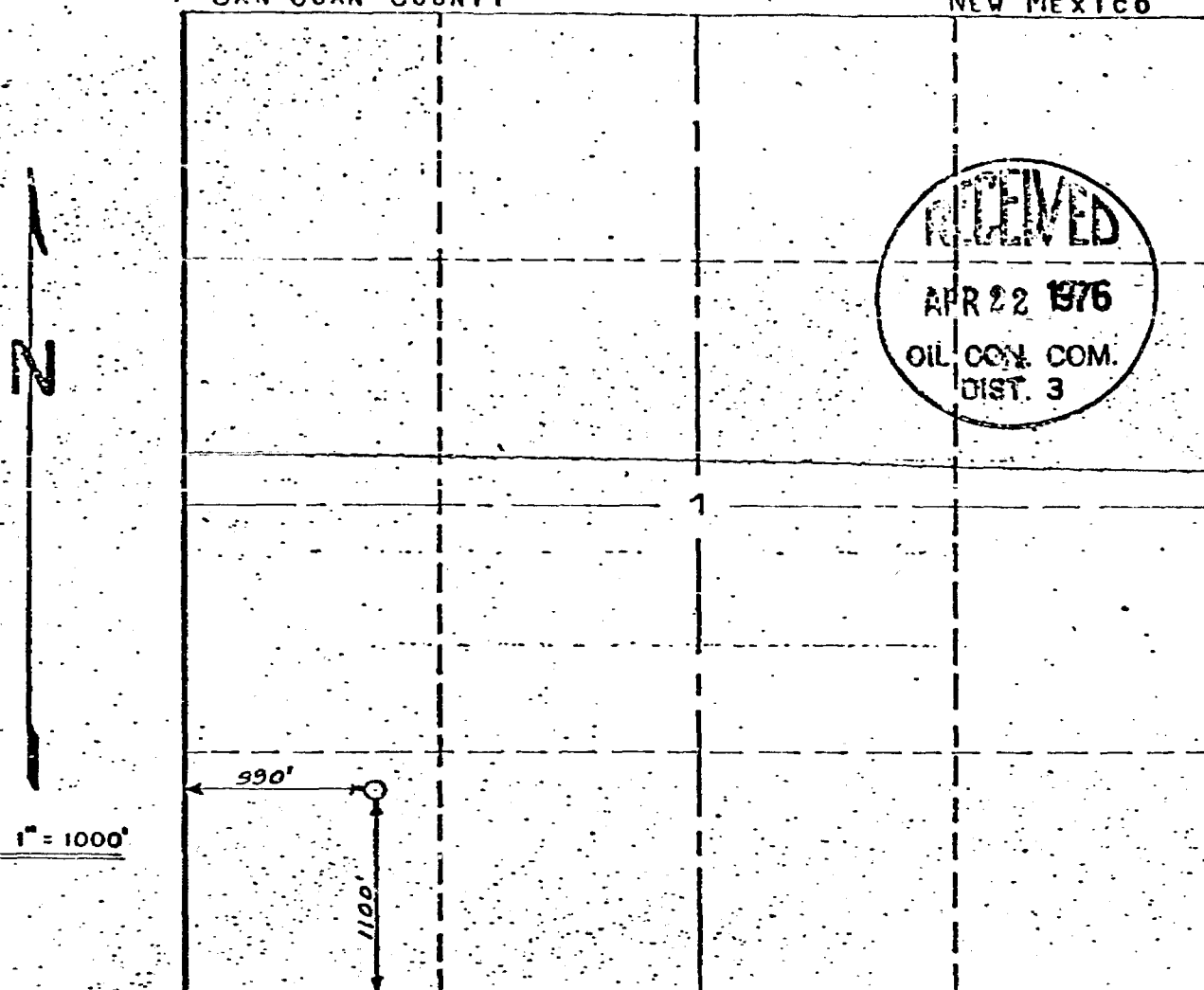
IRREGULAR SECTION 1 T. 31N. R. 7W. N.M.P.M.

LOCATION 1100' FROM THE SOUTH LINE  
990' FROM THE WEST LINE

ELEVATION UNGRADED GROUND ELEVATION -- 6559  
USGS DATUM

SAN JUAN COUNTY

NEW MEXICO



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, 1926

KROEGER ENGINEERING COMPANY

By: John A. Kroeger  
John A. Kroeger, President

NO. COPIES RECEIVED	6
DISTRIBUTION	
DATE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	
OPERATOR	2

# NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form O-105  
Revised 1-1-76

5a. Indicate Type of Lease	State <input type="checkbox"/> Sec <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## 10. TYPE OF WELL

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	OTHER <input type="checkbox"/>
NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
		DIFF. PRES. <input type="checkbox"/>	OTHER <input type="checkbox"/>

## 2. Name of Operator

Blackwood & Nichols Company

## 3. Address of Operator

P. O. Box 1237, Durango, Colorado 81301

## 4. Location of Well

UNIT LETTER M LOCATED 1100 FEET FROM THE South LINE AND 990 FEET FROM

THE West LINE OF SEC. 1 TWP. 31N RGE. 7W NMPM

7. Unit Agreement Name  
Northeast Blanco Unit  
Agmt. No. 1, Sec. 929

8. Form or Lease Name

Northeast Blanco Unit

9. Well No.

63

10. Field and Pool, or Wildcat

Blanco Mesaverde

12. County

San Juan

15. Date Spudded 10-7-76 16. Date T.D. Reached 10-20-76 17. Date Compl. (Ready to Prod.) 10-25-76 18. Elevations (DF, RKB, RT, CR, etc.) 6571' DF 19. Elev. Casinghead 6559'

20. Total Depth 6075' 21. Plug Back T.D. 6075' 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools Cable Tools X

24. Producing Interval(s), of this completion - Top, Bottom, Name

Point Lookout Zone 5820' - 6020'

25. Was Directional Survey Made Yes

26. Type Electric and Other Logs Run

Induction Gamma-Ray Compensated Density Neutron Log

27. Was Well Cored

No

## 28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH, SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36.00	218'	12-1/4"	225 sacks	None
7"	23.00	3683'	8-3/4"	225 sacks	None
4-1/2"	10.50#	6072'	6-1/4"	325 sacks	None

## 29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
None				

## 30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

## 31. Perforation Record (Interval, size and number)

Four per interval: 5820' - 5830' - 5840' - 5858' - 5868' - 5924' - 5994' - 6020'

## 32. FRACTURE, FRACTURE, CEMENT SQUEEZE, ETC.

AMOUNT AND KIND MATERIAL USED  
80,220 gals. mini-max  
35,500 lbs. sand

## 33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
Not Connected		Shut-in
Date of Test	Hours Tested	Choke Size
11-2-76	3	3/4"
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate
265	785	
Oil - Bbl.	Gas - MCF	Water - Bbl.
	3285	
Oil - Bbl.	Gas - MCF	Water - Bbl.
	6182	
Oil Gravity - API (Corr.)		

4. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

## 5. List of Attachments

6. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED DeLasso Loos

TITLE District Manager

DATE 11-22-76

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate (except on state land, where six copies are required). See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	2280'	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	3060'	T. Penn. "C"
B. Salt	T. Aloka	T. Pictured Cliffs	3396'	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	5496'	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	5560'	T. Madison
T. Queen	T. Silurian	T. Point Lookout	5810'	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	5980'	T. McCracken
T. San Andres	T. Simpson	T. Gallup		T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn		T. Granite
T. Paddock	T. Ellenburger	T. Dakota		
T. Blinberry	T. Gr. Wash.	T. Morrison		
T. Tubb	T. Granite	T. Todillo		
T. Drinkard	T. Delaware Sand	T. Entrada		
T. Abo	T. Bone Springs	T. Wingate		
T. Wolfcamp	T.	T. Chinle		
T. Penn.	T.	T. Permian		
T. Cisco (Bough C)	T.	T. Penn. "A"		

## FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
2280'	2420'	140	Ojo Alamo				
2420'	3060'	640	Kirtland				
3060'	3396'	336	Fruitland				
3396'	3610'	214	Pictured Cliffs				
3610'	5190'	1580	Lewis Shale				
5190'	5496'	306	Massive Cliffhouse				
5496'	5560'	64	Cliffhouse				
5560'	5810'	250	Menefee				
5810'	5980'	170	Point Lookout				
5980'			Mancos				

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
DATE	1
FILE	1
S.G.S.	
AND OFFICE	
PERATOR	1

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Supersedes Old  
C-100 and C-103  
Effective 1-1-75

## SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>
Name of Operator <b>Blackwood &amp; Nichols Company</b>		
Address of Operator <b>P.O. Box 1237, Durango, Colorado 81301</b>		
Location of Well UNIT LETTER <b>M</b> <b>1100</b> FEET FROM THE <b>South</b> LINE AND <b>990</b> FEET FROM THE <b>West</b> LINE, SECTION <b>1</b> TOWNSHIP <b>31N</b> RANGE <b>7W</b> N.M.P.M.		

5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name <b>NEBU Agrmt. No. 1, Sec 929</b>
8. Farm or Lease Name <b>Northeast Blanco Unit</b>
9. Well No. <b>63</b>
10. Field and Pool, or Wildcat <b>Blanco Mesaverde</b>
12. County <b>San Juan</b>

15. Elevation (Show whether DF, RT, CR, etc.) <b>6559 GL</b>
---

6. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

On October 7, 1976, ran 7 jts, 9-5/8", H-40, 36# casing; 204' set at 218', cemented with 225 sacks class C cement with 2% CaCl<sub>2</sub>. Cement circulated; tested casing with 800 PSI for thirty minutes, held OK.

On October 16, 1976, ran 119 jts., 7", K-55, 23# casing; 3669' set at 3683', cemented with 125 sacks of Howco light cement with 1/4# flocele per sack and 2% CaCl<sub>2</sub> followed with 100 sacks class B cement with 1/4# flocele per sack with 2% CaCl<sub>2</sub>. Ran temperature survey top cement 2400'. Tested 7" casing with 1000 PSI for thirty minutes, held OK.

On October 20, 1976 ran 192 jts of 4-1/2", K-55, 10.50# casing; 6060; set at 6072'. Cemented with 225 sacks of class B Cement with 4% gel, .6% CFR-2 and 1/4# flocele per sack; followed with 100 sacks of class B cement with .3% HR-4 and 1/4# flocele per sack. Ran temperature survey, top of cement 3150'. Tested casing with 1000 PSI for thirty minutes, held OK.

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

SIGNED *DeLasso Loos* TITLE District Manager DATE 11-22-76

APPROVED BY *Al Kerslake* TITLE SUPERVISOR DIST. #3 DATE NOV 23 1976

CONDITIONS OF APPROVAL, IF ANY:



NORTHWEST PIPELINE CORPORATION  
3539 East 30th Street  
Farmington, New Mexico

NOTICE OF GAS CONNECTION

DATE 3-31-77

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE

OF GAS FROM Blackwood & Nichols Co.  
Operator

North East Blanco Unit #63  
Well Name

86-936-01 1  
Meter Code

Well Unit

M SW 1-31-7  
S-T-R.

Blanco, Mesaverde  
Pool

Northwest Pipeline Corp.  
Name of Purchaser

WAS MADE ON 3-14-77  
Date

FIRST DELIVERY 3-15-77  
Date

AOF 6182

CHOKE NA

Northwest Pipeline Corp.

Purchaser

John E. Grace  
Representative

Measurement Specialist  
Title

cc: Operator ✓  
Oil Conservation Commission - 2 copies  
Proration - D.O. Buterbaugh  
Production - R. W. Keener  
Production - Bob Fielder  
Land Department - Denver  
File

A SUBSIDIARY OF NORTHWEST ENERGY COMPANY



FILE	5
SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL 1 GAS 1
OPERATOR	1
REGISTRATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

Operator  
**Blackwood & Nichols Company**

Address  
**P. O. Box 1237, Durango, Colorado 81301**

Reason(s) for filing (Check proper box)

New Well <input checked="" type="checkbox"/>	Change in Transporter of:	Other (Please explain)
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input checked="" type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>

If change of ownership give name and address of previous owner

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>Northeast Blanco Unit</b>	Well No. <b>63</b>	Pool Name, including Formation <b>Blanco Mesaverde</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location				
Unit Letter <b>M</b> : <b>1100</b> Feet From The <b>South</b> Line and <b>990</b> Feet From The <b>West</b>				
Line of Section <b>1</b> Township <b>31N</b> Range <b>7W</b> , NMPM, <b>San Juan</b> County				

**DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>Inland Corporation</b>	<b>P.O. Box 1526, Farmington, New Mex. 87401</b>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>Northwest Pipeline Corporation</b>	<b>P.O. Box 90 Farmington, New Mex. 87401</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Ege. Is gas actually connected? When
	<b>No</b>

If this production is commingled with that from any other lease or pool, give commingling order numbers: **None**

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Restv.	Diff. Restv.
		<b>X</b>	<b>X</b>					



RECEIVED	
INSTITUTION	
SANITARY	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL <input checked="" type="checkbox"/>
	GAS <input checked="" type="checkbox"/>
OPERATOR	
REGISTRATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

Operator **Blackwood & Nichols Company**  
Address **P. O. Box 1237, Durango, Colorado 81301**  
Reason(s) for filing (Check proper box)  
New Well ☒ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☒  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐  
Other (Please explain)

If change of ownership give name  
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Northeast Blanco Unit	63	Blanco Mesaverde	State, Federal or Fee Fee	
Location				
Unit Letter	M	1100 Feet From The South Line and 990 Feet From The West		
Line of Section	1	Township 31N	Range 7W	San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Inland Corporation	P.O. Box 1528, Farmington, New Mex. 87401
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	P.O. Box 90 Farmington, New Mex. 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number: None

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Res'v.	Diff. Res'v.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.S.T.D.					
10-7-76	11-2-76	6075'	6035'					
Elevations (D.F., RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
6559 GL	Mesaverde	5820	6010'					
Perforations	Depth Casing Shoe							
5820' - 6020'	6072'							

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	9-5/8"	218'	225
8-3/4"	7"	3683'	225
6-1/4"	4-1/2"	6072'	325

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Q=3285	3 hours	None	None
Testing Method (pilot, back pr.)	Tubing Pressure (shot-in)	Casing Pressure (shot-in)	Choke Size
Back Pressure	1025	1025	3/4"

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*DeLasso Loos*  
(Signature) **DeLasso Loos**  
Field Superintendent  
(Title)  
**MAR 24 1977**  
(Date)

OIL CONSERVATION COMMISSION

APPROVED **MAR 25 1977**, 19  
BY *[Signature]*  
SUPERVISOR DIST. #3  
TITLE

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of name, well name or number, or transporter, or other such change of conditions.

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# NEW MEXICO OIL CONSERVATION COMMISSION

30-045-23480  
Form O-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## 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"/>		7. Unit Agreement Name Northeast Blanco Unit Agreement #1, Sec. 929	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Northeast Blanco Unit	
2. Name of Operator Blackwood & Nichols Co., Ltd.		9. Well No. 204	
3. Address of Operator P. O. Box 1237, Durango, Colorado 81301		10. Field and Pool, or Wildcat South Los Pinos PC	
4. Location of Well UNIT LETTER M LOCATED 830 FEET FROM THE South LINE AND 990 FEET FROM THE West SIDE OF SEC. 1 TWP. 31N RGE. 7W NMPM		12. County San Juan	
19. Proposed Depth 3690'		19A. Formation Pictured Cliffs	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 6546' GL	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor Unknown	
22. Approx. Date Work will start May 30, 1979			

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13-3/4"	9-5/8"	36.00#	250'	200 Sx	Circulate
7-7/8"	4-1/2"	10.50#	3690'	175 Sx	2000'

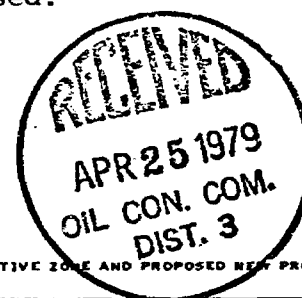
We propose to perforate the Pictured Cliffs-Fruitland Zones and foam fracture to 30,000 gallons water with 140,000 lbs. sand in one stage. Fruitland 3060', Pictured Cliffs 3396', Lewis 3610'. A 3000 PSI WP; Series 10" - 900 adapted to Series 10" - 600 hydraulic blow out preventer equipped with blind 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.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED.

EXPIRES 7-24-79



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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signature DeLasso Loos Title District Manager Date April 19, 1979

(This space for State Use)

APPROVED BY Frank S. Gray TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE APR 25 1979

CONDITIONS OF APPROVAL, IF ANY:

Write NSU

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 <b>BLACKWOOD &amp; NICHOLS</b>			Lease <b>NORTHEAST BLANCO UNIT</b>		Well No. <b>204</b>
Unit Letter <b>M</b>	Section <b>1</b>	Township <b>31 N.</b>	Range <b>7W., N.M.P.M.</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well:					
830 feet from the south line and		990 feet from the west line			
Ground Level Elev. <b>6546 UG</b>	Producing Formation <b>Pictured Cliffs</b>	Foot <b>South Los Pinos Pictured Cliffs</b>	Dedicated Acreage: <b>185.68 Acres</b>		

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.

		<p align="center"><b>CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>DeLasso Loos</i></p>	
		<p>Name <b>DeLasso Loos</b></p> <p>Position <b>District Manager</b></p> <p>Company <b>Blackwood &amp; Nichols Co., Ltd.</b></p> <p>Date <b>April 19, 1979</b></p>	
<p>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.</p>		<p>Date Surveyed <b>April 13, 1979</b></p> <p>Registered Professional Engineer and/or Land Surveyor <i>John A. Kroeger</i> <b>John A. Kroeger, P.E.</b></p>	
<p>Certificate No. <b>1941</b></p>			



BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

April 30, 1979

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, CO 80301

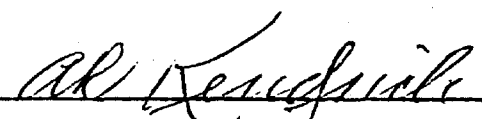
NWU 3-801

SUBJECT: NON-STANDARD GAS PRORATION UNIT CONSISTING OF 185.68  
ACRES IN THE South Los Pinos Fruitland-Pictured Cliffs ext. GAS  
POOL DESCRIBED AS FOLLOWS:

TOWNSHIP 31 NORTH, RANGE 7 WEST, NMPM

SECTION: 1 SW/4

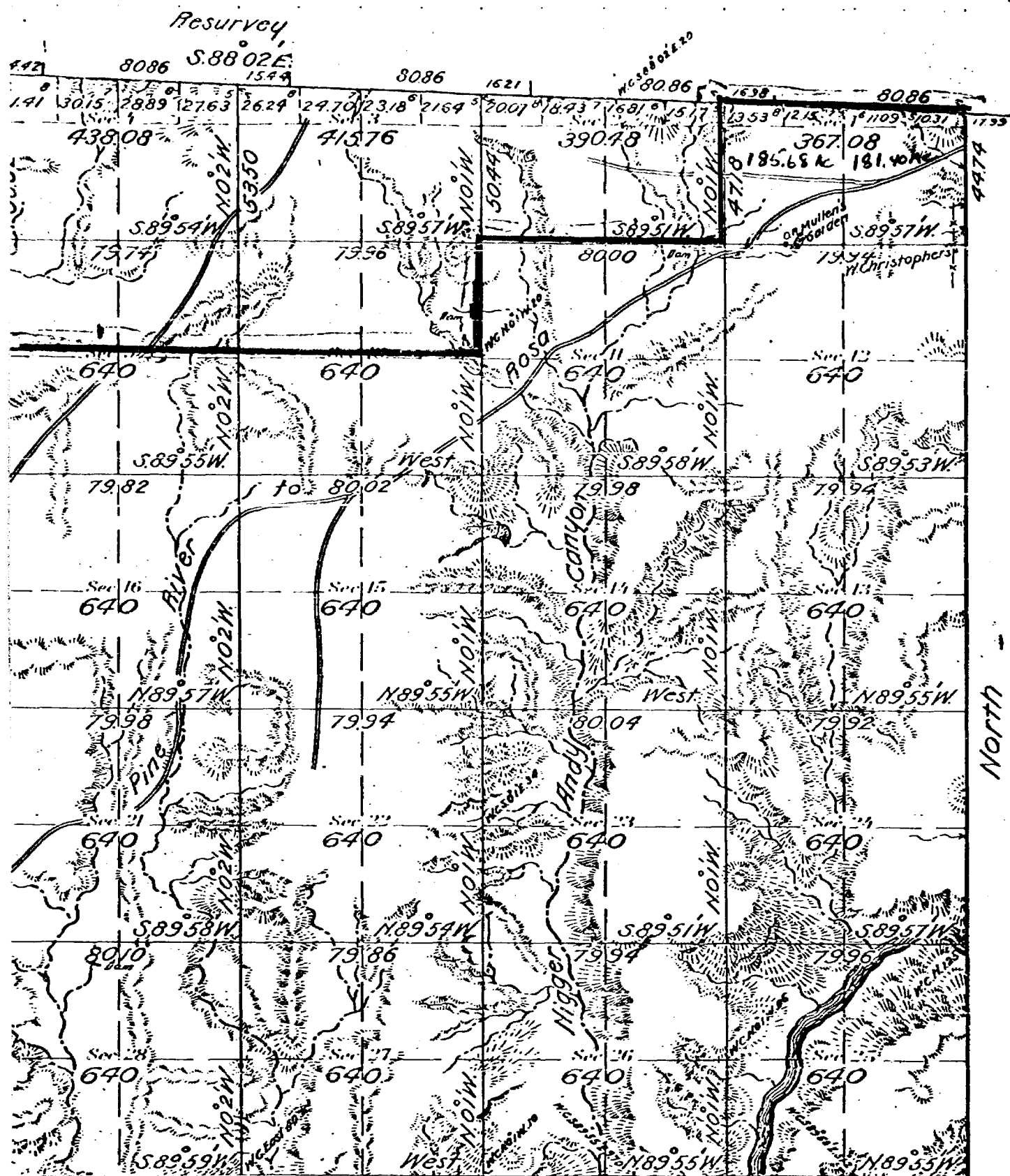
By authority granted me by Rule 5 (B) of Order R-1670, as amended, the above-described acreage has been approved as a non-standard gas proration unit to be dedicated to the Northeast Blanco Unit  
well no. 204, located 830/S; 990/W of said  
Section 1.

  
Supervisor, District #3

xc: Oil Conservation Division  
Santa Fe, New Mexico

*Range N<sup>o</sup> 7 West of the New Mex. Principal Mer., New Mex.*

Survey



# Index to Segregated Tracks

**Public L**

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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

## SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT DEPTH. USE APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER-

2. Name of Operator  
Blackwood & Nichols Co., Ltd.

3. Address of Operator  
P. O. Box 1237, Durango, Colorado 81301

4. Location of Well  
UNIT LETTER M 830 FEET FROM THE South LINE AND 990 FEET FROM THE West LINE, SECTION 1 TOWNSHIP 31N RANGE 7W NMPM.

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name  
Northeast Blanco Unit  
Agmt. No. 1, Sec. 929

8. Farm or Lease Name  
Northeast Blanco

9. Well No.  
204

10. Field and Pool, or Wildcat  
South Los Pinon PC

12. County  
San Juan

15. Elevation (Show whether DF, RT, CR, etc.)  
6546' GL

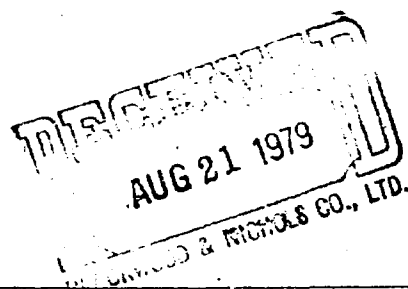
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIATION WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

08-08-79  
Tested 9 5/8" casing to 800 PSI for thirty minutes; held O.K. Spudded 12 1/4" hole at 10:30 A.M., 08-08-79. Ran 5 jts 9 5/8" 36.00# H-40 casing; 204' set at 217'. Cemented with 150 sacks class B cement with 1/4# flocele per sack and 2% CaCl<sub>2</sub>; cement circulated.

08-13-79  
Ran 113 jts 4 1/2" 10.50# K-55 casing; 3675' set at 3686'. Float collar at 3635'; cemented with 265 sacks Howco Lite cement with 1/4# flocele per sack, followed with 222 sacks 50-50 Pozmix with 2% gel and 1/4# flocele per sack.



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

Signed DeLasso Loos TITLE District Manager DATE 08-14-79

APPROVED BY Al Kendrick TITLE SUPERVISOR DISTRICT # 3 DATE AUG 15 1979

CONDITIONS OF APPROVAL, IF ANY:

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OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-103  
Revised 1-1-65

1a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

1b. TYPE OF WELL				7. Unit Agreement Name							
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>				NEBU Agrmt. No. 1 Sec 929							
2. Name of Operator				8. Farm or Lease Name							
Blackwood & Nichols Co., Ltd.				Northeast Blanco Unit							
3. Address of Operator				9. Well No.							
P.O. Box 1237, Durango, Colorado 81301				204							
4. Location of Well				10. Field and Pool, or Wildcat							
UNIT LETTER <u>M</u> LOCATED <u>830</u> FEET FROM THE <u>South</u> LINE AND <u>990</u> FEET FROM				South Los Pinos PC							
THE <u>West</u> 1/4 OF SEC. <u>1</u> TWP. <u>31N</u> RGE. <u>7W</u> NMPM				12. County							
				San Juan							
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, RKB, RT, GR, etc.)		19. Elev. Casinghead			
8-8-79		8-13-79		8-21-79		6546' GL		6544'			
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Interval Drilled By		Rotary Tools			
3680'		3640'				3680'		Cable Tools			
24. Producing Interval(s), of this completion - Top, Bottom, Name								25. Was Directional Survey Made			
3404' - 3598' Fruitland - Pictured Cliffs								Yes			
26. Type Electric and Other Logs Run								27. Was Well Cored			
Gamma Ray Correlation & Cement Bond								No			
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
9 5/8"		36.00		217'		12 1/4"		150 Sacks Class B			
4 1/2"		10.50		3686'		7 7/8"		487 Sacks			
29. LINER RECORD										30. TUBING RECORD	
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE	
										2 3/8"	
										3580'	
31. Perforation Record (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
3404', 3412', 3420', 3428', 3442', 3498'						DEPTH INTERVAL					
3518', 3530', 3528', 3548', 3574' 3598'						AMOUNT AND KIND MATERIAL USED					
Twenty-four holes.						3404' - 3598' 48,048 gals gel water					
						75,000 lbs 10-20 sand					
33. PRODUCTION											
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)						Well Status (Prod. or Shut-in)			
Not Connected								Shut-in			
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil - Bbl.		Gas - MCF	
8-29-79		3 Hours		3/4"				0=4476			
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.	
350		745				AOF=5914					
34. Disposition of Gas (Sold, used for fuel, vented, etc.)								Test Witnessed By			
Vented								RECEIVED			
35. List of Attachments										AUG 31 1979	
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.										OIL CON. COM.	
DeLasso Loos										DIST. 3	
TITLE District Manager										DATE 8-29-79	



## REFERENCES

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

**INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE**

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	2280	T. Penn. "B"
T. Balt	T. Strawn	T. Kirtland-Fruitland	2420	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	3472	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House		T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee		T. Madison
T. Queen	T. Silurian	T. Point Lookout		T. Elbert
T. Grayburg	T. Montoya	T. Mancos		T. McCracken
T. San Andres	T. Simpson	T. Gallup		T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn		T. Granite
T. Paddock	T. Ellenburger	T. Dakota		T.
T. Blinbry	T. Gr. Wash	T. Morrison		T.
T. Tubb	T. Granite	T. Todilto		T.
T. Drinkard	T. Delaware Sand	T. Entrada		T.
T. Abö	T. Bone Springs	T. Wingate		T.
T. Wolfcamp	T.	T. Chinle		T.
T. Penn.	T.	T. Permian		T.
T. Cisco (Bough)	T.	T. Penn. "A"		T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1185	1185	Tertiary				
1185	2280	1095	Animas				
2280	2420	140	Ojo Alamo				
2420	3060	640	Kirtland				
3060	3472	412	Fruitland				
3472	3650	178	Pictured Cliffs				
3650	—	—	Lewis				



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	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-101 and C-110  
Effective 1-1-65

Operator  
Blackwood & Nichols Co., Ltd.

Address  
P. O. Box 1237, Durango, Colorado 81301

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

Other (Please explain)

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name Northeast Blanco Unit	Well No. 204	Pool Name, Including Formation South Los Pinos PC - Fruitland	Kind of Lease State, Federal or Fee	Lease No. Fee
Location				
Unit Letter M	830	Feet From The South	Line and 990	Feet From The West
Line of Section 1	Township 31N	Range 7W	NMPM, San Juan	County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Inland Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1528 Farmington, New Mexico 87401
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Northwest Pipeline Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 90, Farmington, New Mexico 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 8-8-79	Date Compl. Ready to Prod. 8-21-79	Total Depth 3680'	P.B.T.D. 3640'					
Elevations (DF, RKB, RT, CR, etc.) 6546' GL	Name of Producing Formation Fruitland - P.C.	Top Oil/Gas Pay 3404'	Tubing Depth 3580'					
Perforations 3404' - 3598' Twenty-four holes	Depth Casing Shoe 3686'							

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	9 5/8"	217'	150
7 7/8"	4 1/2"	3686'	487

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D Q=4476	Length of Test Three Hours	Bbls. Condensate/MMCF	Grav. Corr. Coefficient
Testing Method (pilot, back pr.) Back Pr	Tubing Pressure (Shut-in) 1420	Casing Pressure (Shut-in) 1420	Choke Size 3/4"

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*DeLasso Loos*  
(Signature)  
District Manager  
(Title)  
4-7-80  
(Date)

DeLasso Loos

OIL CONSERVATION COMMISSION

APPROVED *APR 8 1980* 19  
BY *Supervisor*  
TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Sections I, II, III, and VI for changes of owner, name or number, or transporter, or other such change of condition.

CASE 7185: Application of El Paso Exploration Company for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blanco Mesaverde and Basin-Dakota production in the wellbore of its Turner Hughes Well No. 17 located in Unit H of Section 10, Township 27 North, Range 9 West.

CASE 7161: (Continued from February 25, 1981, Examiner Hearing)

Application of John Yuronka for four compulsory poolings, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Langlie Mattix Pool underlying the four 40-acre proration units comprising the SW/4 of Section 31, Township 22 South, Range 37 East, to be dedicated to wells to be drilled at standard locations thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 7164: (Continued from February 25, 1981, Examiner Hearing)

Application of ARCO Oil and Gas Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Devonian and Ellenburger formations, Custer Field, underlying the N/2 of Section 6, Township 25 South, Range 37 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7165: (Continued from February 25, 1981, Examiner Hearing)

Application of ARCO Oil and Gas Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Langley-Allenburger Pool underlying the N/2 of Section 33, Township 22 South, Range 36 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7175: (Continued from February 25, 1981, Examiner Hearing)

Application of Conoco Inc. for compulsory pooling and a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Allenburger formations underlying the S/2 of Section 19, Township 25 South, Range 37 East, to be dedicated to a well to be drilled at a standard location and dually completed in the Devonian and Allenburger formations. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7186: Application of Sun Texas Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Devonian formation in the interval from 10,856 feet to 11,370 feet in its State C Account 1 Well No. 3 in Unit L of Section 2, Township 12 South, Range 33 East, Bagley Siluro-Devonian Pool.

CASE 7187: Application of Blackwood & Nichols Co., Ltd. for four non-standard proration units, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of the following four Fruitland and Pictured Cliffs non-standard gas proration units: a 185.68-acre unit comprising the SW/4 of Section 1, Township 31 North, Range 7 West; a 181.4-acre unit comprising the SE/4 of said Section 1; a 176.68-acre unit comprising the SW/4 of Section 6, Township 31 North, Range 6 West; and a 175.21-acre unit comprising the SE/4 of said Section 6. All units are to be dedicated to wells drilled at standard locations thereon.

CASE 7188: Application of Blackwood & Nichols Co., Ltd. for directional drilling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill its Northeast Blanco Unit Well No. 26-A, the surface location of which is 1160 feet from the North line and 60 feet from the West line of Section 8, Township 30 North, Range 7 West, and directionally drill said well in such a manner as to bottom it in the Mesaverde formation within 100 feet of a point 1190 feet from the North line and 790 feet from the West line of said Section 8, the W/2 of the section to be dedicated to the well; applicant further seeks authority to drill its Northeast Blanco Unit Well No. 32-A, the surface location of which is 1450 feet from the North line and 990 feet from the East line of Section 7, Township 30 North, Range 7 West, and directionally drill said well in such a manner as to bottom it in the Mesaverde formation within 100 feet of a point 1850 feet from the South line and 990 feet from the East line of said Section 7, the E/2 of the section to be dedicated to the well.

CAMPBELL, BYRD & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL  
HARL D. BYRD  
BRUCE D. BLACK  
MICHAEL B. CAMPBELL  
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JEFFERSON PLACE  
SUITE 1 - 110 NORTH GUADALUPE  
POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87501  
TELEPHONE: (505) 988-4421  
TELECOPIER: (505) 983-6043

February 19, 1981

Mr. Joe D. Ramey  
Director  
Oil Conservation Division  
New Mexico Department of  
Energy and Minerals  
Post Office Box 2088  
Santa Fe, New Mexico 87501

*Case 7187*

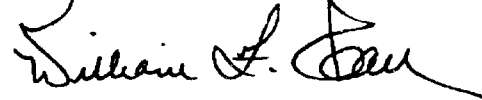
Re: Application of Blackwood & Nichols Co., Ltd.  
for Approval of Non-Standard Proration Units,  
San Juan County, New Mexico

Dear Mr. Ramey:

Enclosed in triplicate is the application of Blackwood & Nichols Co., Ltd. in the above-referenced matter.

The applicant requests that this matter be included on the docket for the examiner hearing scheduled to be held on March 11, 1981.

Very truly yours,



William F. Carr

WFC:lr

Enclosures

cc: Mr. Charles Blackwood  
Mr. Delasso Loos

BEFORE THE  
OIL CONSERVATION DIVISION  
NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

IN THE MATTER OF THE APPLICATION  
OF BLACKWOOD & NICHOLS CO., LTD.  
FOR NON-STANDARD PRORATION UNITS  
SAN JUAN COUNTY, NEW MEXICO.

CASE 7187

APPLICATION

Comes now Blackwood & Nichols Co., Ltd., by its undersigned attorneys, and hereby applies to the New Mexico Oil Conservation Division for approval of six non-standard gas proration units, San Juan County, New Mexico and in support of its application states:

1. Applicant is the operator of the S/2 of Section 1, Township 31 North, Range 7 West, N.M.P.M., San Juan County, New Mexico, which, due to survey variations, contains a total of 367.08 acres.
2. Applicant seeks the establishment of a 367.08 acre non-standard gas proration unit in the Mesaverde formation to be comprised of the S/2 of said Section 1 to be dedicated to its Northeast Blanco Unit Well No. 63 located 1100 feet from the south line and 990 feet from the west line of said Section 1.
3. Applicant also seeks the establishment of a 185.68 acre non-standard gas proration unit in the Fruitland and Pictured Cliffs formations to be comprised of the southwest quarter of said Section 1 to be dedicated to its Northeast Blanco Unit Well No. 204 located 830 feet from the south line and 990 feet from the west line of said

Section 1.

4. Applicant also seeks the establishment of a 181.4 acre non-standard gas proration unit in the Fruitland and Pictured Cliffs formations to be comprised of the southeast quarter of said Section 1 to be dedicated to a well to be drilled at a standard location in the southeast quarter of said Section 1.

5. Applicant further states that it is the operator of the S/2 of Section 6, Township 31 North, Range 6 West, N.M.P.M., San Juan County, New Mexico, which, due to survey variations, contains 351.89 acres.

6. Applicant seeks the establishment of a 351.89 acre non-standard gas proration unit in the Mesaverde formation to be comprised of the S/2 of said Section 1 to be dedicated to a well to be drilled at a standard location in the S/2 of said Section 6.

7. Applicant further seeks the establishment of a 176.68 acre non-standard gas proration unit in the Fruitland and Pictured Cliffs formations to be comprised of the southwest quarter of said Section 6 to be dedicated to its Northeast Blanco Unit Well No. 209 located 1800 feet from the south line and 840 feet from the west line of said Section 6.

8. Applicant also seeks the establishment of a 175.21 acre non-standard gas proration unit in the Fruitland and Pictured Cliffs formations to be comprised of the southeast quarter of said Section 6 to be dedicated to a well to be drilled at a standard location in the southeast quarter of said Section 6.

9. Granting the application and drilling of the proposed wells will be in the best interest of conservation, the

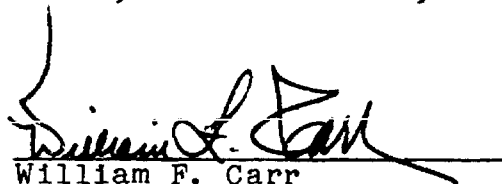
prevention of waste and the protection of correlative rights.

WHEREFORE, Applicant respectfully requests that this matter be set for hearing before one of the Division's duly appointed examiners on March 11, 1981 and, that after notice of hearing as required by law, the Division enter its order approving the application.

Respectfully submitted,

CAMPBELL, BYRD AND BLACK, P.A.

By

  
William F. Carr  
Post Office Box 2208  
Santa Fe, New Mexico 87501  
Attorneys for Applicant

BEFORE THE  
OIL CONSERVATION DIVISION  
NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

IN THE MATTER OF THE APPLICATION  
OF BLACKWOOD & NICHOLS CO., LTD.  
FOR NON-STANDARD PRORATION UNITS  
SAN JUAN COUNTY, NEW MEXICO.

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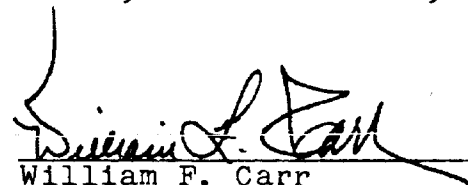
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Respectfully submitted,

CAMPBELL, BYRD AND BLACK, P.A.

By

  
William F. Carr  
Post Office Box 2206  
Santa Fe, New Mexico 87501  
Attorneys for Applicant

BEFORE THE  
OIL CONSERVATION DIVISION  
NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

IN THE MATTER OF THE APPLICATION  
OF BLACKWOOD & NICHOLS CO., LTD.  
FOR NON-STANDARD PRORATION UNITS  
SAN JUAN COUNTY, NEW MEXICO.

CASE 7187

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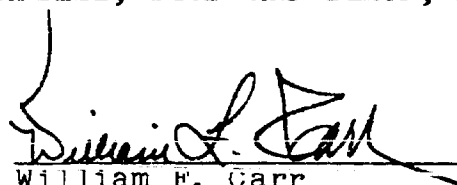
prevention of waste and the protection of correlative rights.

WHEREFORE, Applicant respectfully requests that this matter be set for hearing before one of the Division's duly appointed examiners on March 11, 1981 and, that after notice of hearing as required by law, the Division enter its order approving the application.

Respectfully submitted,

CAMPBELL, BYRD AND BLACK, P.A.

By

  
William F. Carr  
Post Office Box 2208  
Santa Fe, New Mexico 87501  
Attorneys for Applicant

DRAFT

dr/

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 7187

Order No. R- 6635

2/8  
RLL  
APPLICATION OF BLACKWOOD & NICHOLS CO., LTD.  
FOUR  
FOR ~~X~~/NON-STANDARD PRORATION UNITS  
SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 11  
19 81, at Santa Fe, New Mexico, before Examiner Richard L. Stamets  
NOW, on this \_\_\_\_\_ day of March, 19 81, the Division  
Director, having considered the testimony, the record, and the  
recommendations of the Examiner, and being fully advised in the  
premises,

FINDS:

(1) That due public notice having been given as required by  
law, the Division has jurisdiction of this cause and the subject  
matter thereof.

(2) That the applicant, Blackwood & Nichols Co., Ltd.  
seeks approval of the following four Fruitland and Pictured Cliffs  
~~acre~~ non-standard gas proration units.

see under  
a 185.68-acre unit comprising the SW/4 of Section 1, Township 31  
North, Range 7 West; a 181.4-acre unit comprising the SE/4 of  
said Section 1; a 176.68-acre unit comprising the SW/4 of  
Section 6, Township 31 North, Range 6 West; and a 175.21-acre  
unit comprising the SE/4 of said Section 6, <sup>of said</sup> all units to be  
dedicated to wells drilled at standard locations thereon.

aforesaid wells

(4) That approval of the subject application will afford the applicant the opportunity to produce his just and equitable share of the gas in the Fulland and Pictured Cliffs formations under each of the proposed non-standard proration units ~~Gas Pool~~, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That ~~a~~ four ~~xxxxxx~~ Fulland and Pictured Cliffs non-standard gas proration units, San Juan County, ~~in the~~ Gas Pool, ~~comprising the~~ xxxxxx New Mexico, xxxxxx of Section xxxxxx Township xxxxxx Range xxxxxx County, New Mexico, are hereby established and dedicated ~~to~~ as follows:

a 185.68-acre unit comprising the SW/4 of Section 1, Township 31 North, Range 7 West; a 181.4-acre unit comprising the SE/4 of said Section 1; a 176.68-acre unit comprising the SW/4 of Section 6, Township 31 North, Range 6 West; and a 175.21-acre unit comprising the SE/4 of said Section 6, <sup>of said</sup> all units ~~are~~ to be dedicated to wells drilled at standard locations thereon.

for the applicant  
Blackwood &  
Nichols Co. LTO