

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION  
SANTA FE, N.M.

API NO. (assigned by OCD on New Wells)

30-045-27340

5. Indicate Type of Lease  
STATE  FEDERAL

6. State Oil & Gas Lease No.  
E-3707-4

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

1a. Type of Work:  
 DRILL  RE-ENTER  DEEPEN  PLUG BACK   
 b. Type of Well:  
 OIL WELL  GAS WELL  OTHER Water Disposal   
 SINGLE ZONE  MULTIPLE ZONE

7. Lease Name or Unit Agreement Name  
Northeast Blanco Unit

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

8. Well No.  
503

3. Address of Operator  
P. O. Box 1237, Durango, CO 81302-1237

9. Pool name or Wildcat  
Wildcat MORRISON-ENTRADA

4. Well Location  
Unit Letter N : 990 Feet From The South Line and 1600 Feet From The West Line

Section 36 Township 31N Range 8W NMPM San Juan County

10. Proposed Depth 9180' 11. Formation Entrada 12. Rotary or C.T. Rotary

13. Elevations (Show whether DF, RT, GR, etc.) 6430' GR 14. Kind & Status Plug. Bond Blanket 15. Drilling Contractor \* 16. Approx. Date Work will start

**17. PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20"	94# H-40	300'	825	Surface
17 1/2"	13 3/8"	61# K-55, 68# N-80	3625'	1780 (2 stage)	Surface
12 1/4"	9 5/8"	43.5# N-80	3400'-5825'	800	3400'
8 3/4"	7"	26#K, 26#N, 32#N	9180'	565	5500'

Blackwood & Nichols Co., Ltd. proposes to drill this Entrada well to be used for disposal of produced water from the Basin Fruitland Coal formation in the Northeast Blanco Unit. Pressure control equipment will consist of a 3000 series rotating blowout preventer and a 3000 series double ram blowout preventer equipped with blind and appropriate pipe rams. Blowout preventers will be sized with I.D. sufficient for hole and casing programs as drilling progresses, adequate kill and bleed off lines will be used.

**RECEIVED**  
MAR 01 1989  
OIL CON. DIV.  
DIST. 3

APPROVAL EXPIRES 9-2-89  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

- C-102
- Vicinity Map with Access.
- Drilling Pad Layout
- Map of Area Wells

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 William F. Clark TITLE Operations Manager DATE \_\_\_\_\_  
 William F. Clark (303) TELEPHONE NO. 247-0728

TYPE OR PRINT NAME \_\_\_\_\_ DATE 3-2-89

(This space for State Use)  
 APPROVED BY Eric Burch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAR 02 1989

CONDITIONS OF APPROVAL, IF ANY:  
 \* Not known at time of application submittal.

NEW MEXICO OIL CONSERVATION COMMISSION  
 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
 Supersedes C-128  
 Effective 1-1-65

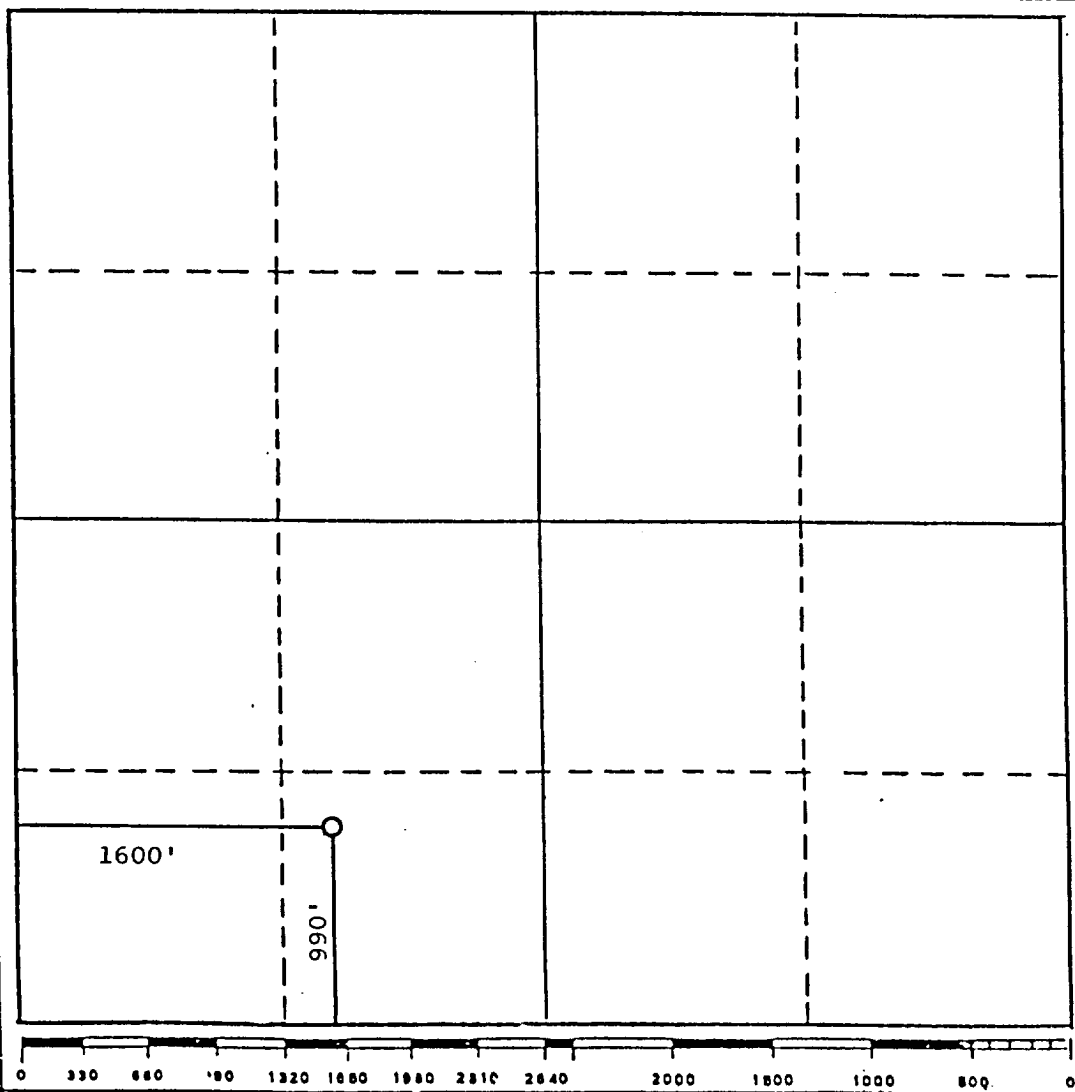
All distances must be from the outer boundaries of the Section.

Operator <b>BLACKWOOD &amp; NICHOLS CO., LTD.</b>		Lease <b>NORTHEAST BLANCO UNIT</b>		Well No. <b>503</b>
Unit Letter <b>N</b>	Section <b>36</b>	Township <b>31 North</b>	Range <b>8W., N.M.P.M</b>	County <b>San Juan County</b>
Actual Footage Location of Well: <b>990</b> feet from the <b>south</b> line and <b>1600</b> feet from the <b>west</b> line				
Ground Level Elev: <b>6430 (U.G.)</b>	Producing Formation <i>Morrison Entrada</i>		Pool <i>Under</i>	Dedicated Acreage:  Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  
 Yes    No   If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

*William F. Clark*

Name  
William F. Clark

Position  
Operations Manager

Company  
Blackwood & Nichols Co.

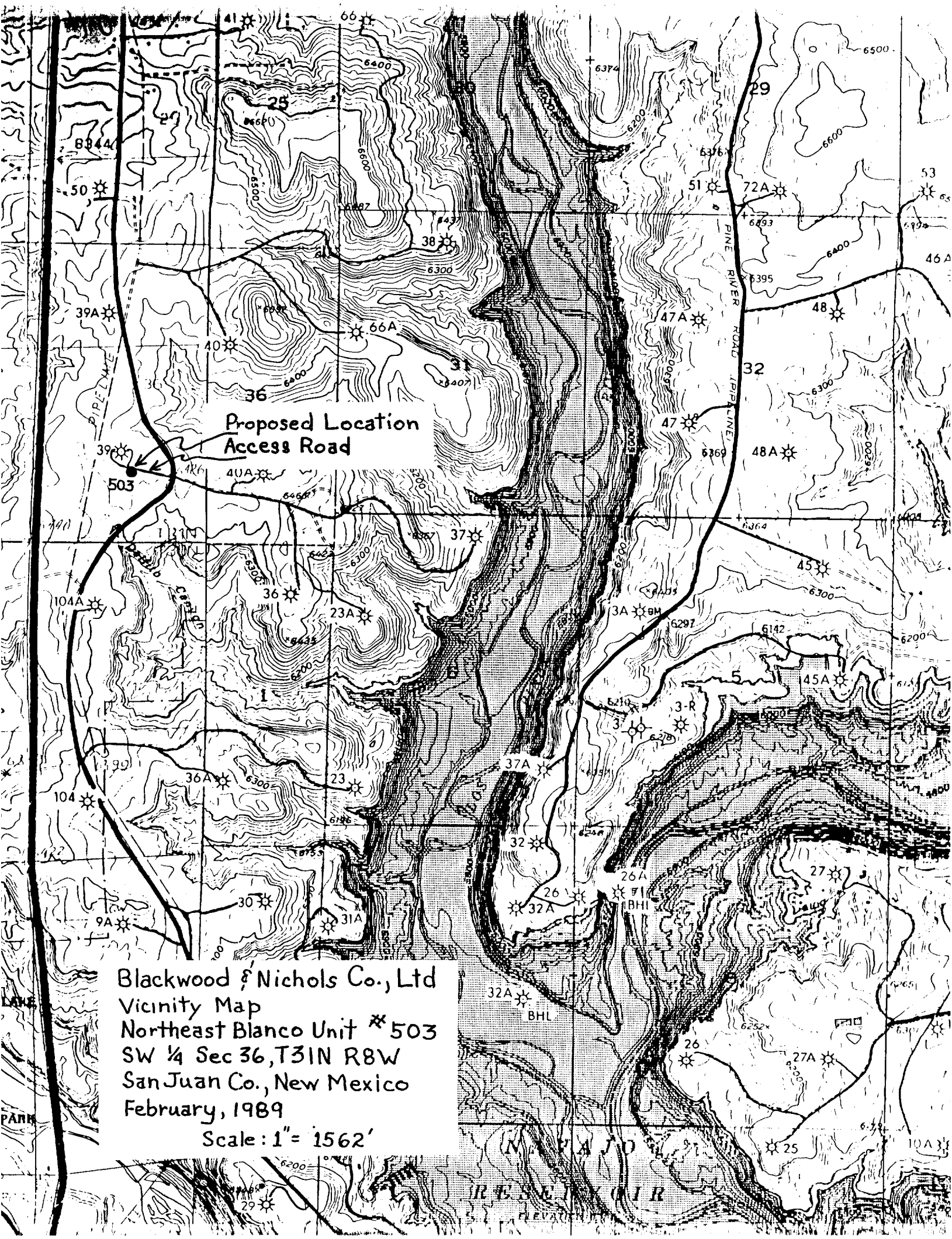
Date  
October 12, 1988

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 10, 1988

Registered Professional Engineer and/or Land Surveyor  
*Allison L. Kroeber*  
Allison L. Kroeber, P.L.

Certificate No. 7922



Proposed Location  
Access Road

Blackwood & Nichols Co., Ltd  
Vicinity Map  
Northeast Blanco Unit \* 503  
SW ¼ Sec 36, T31N R8W  
San Juan Co., New Mexico  
February, 1989

Scale: 1" = 1562'

M. P. A. J. O.  
R. B. S. E. I. O. R.  
ELEVATION

Blackwood & Nichols  
Co., LTD.

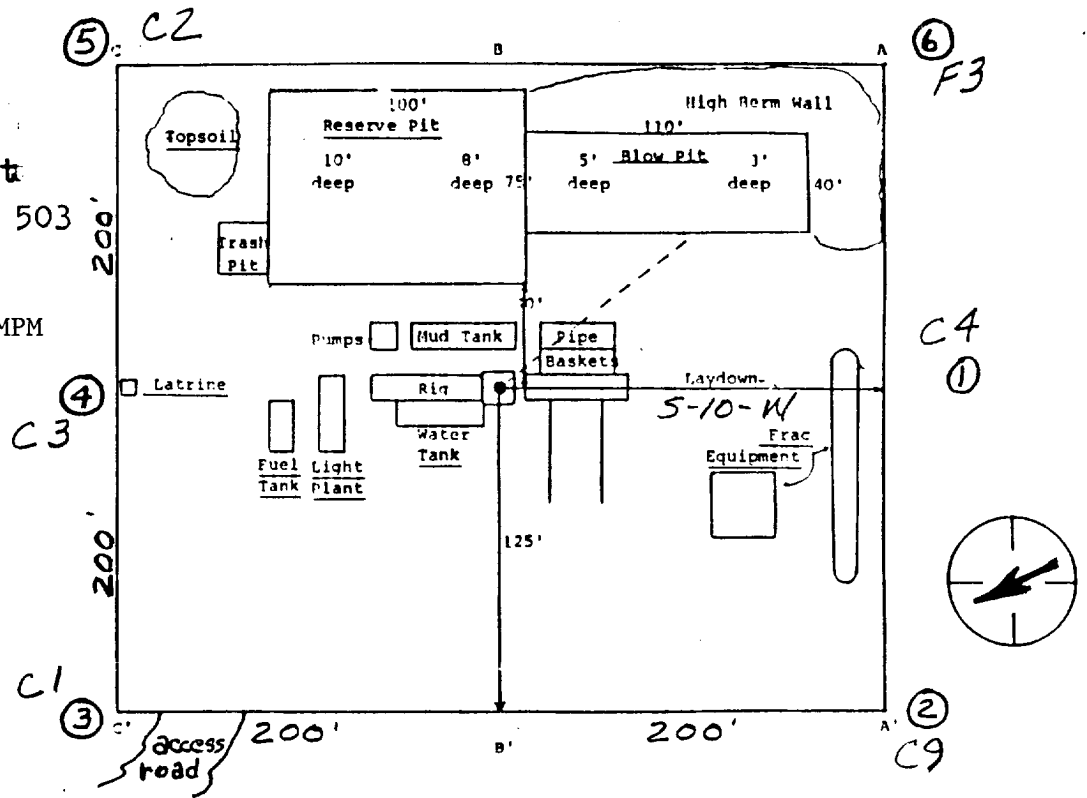
Northeast Blanco Unit

# 503

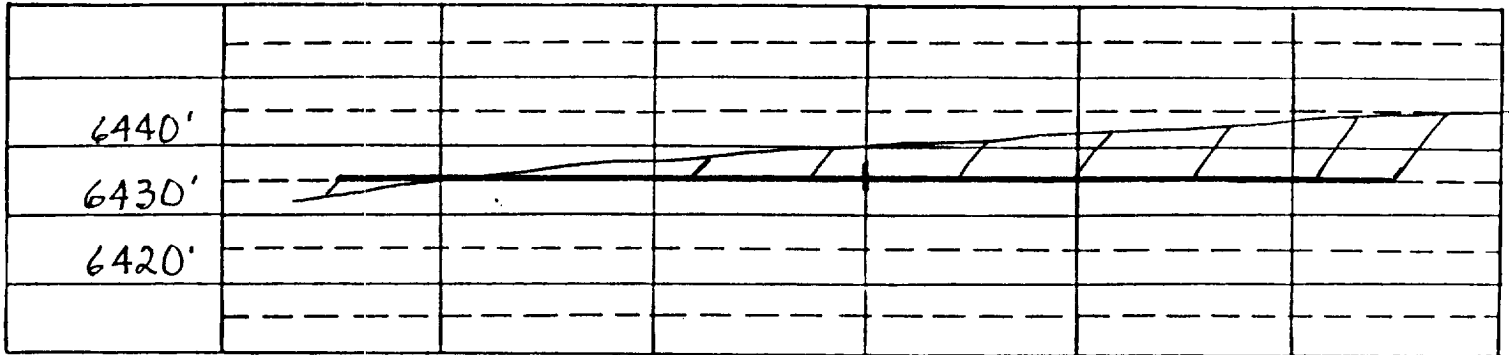
990' FSL - 1600' FWL

Section 36, T31N, R8W, NMPM

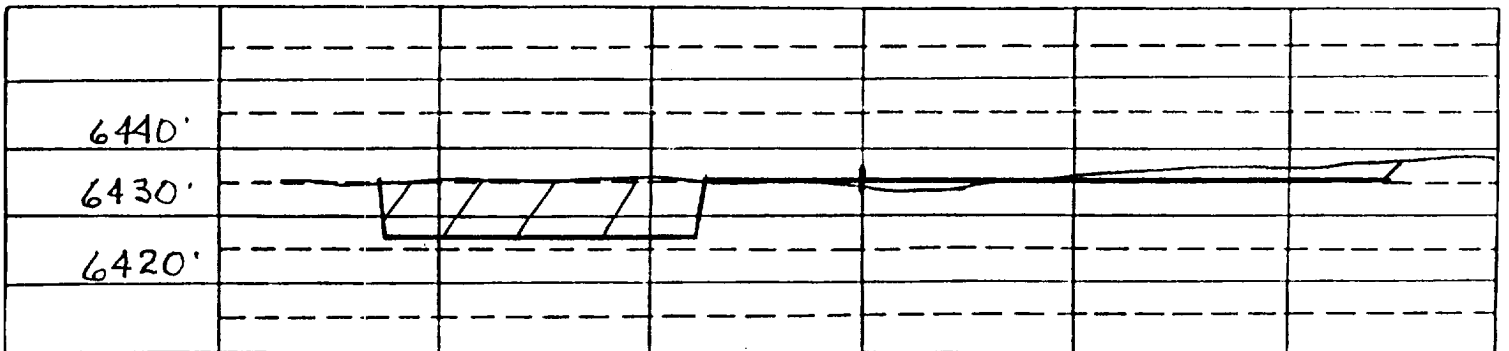
San Juan Co., New Mexico



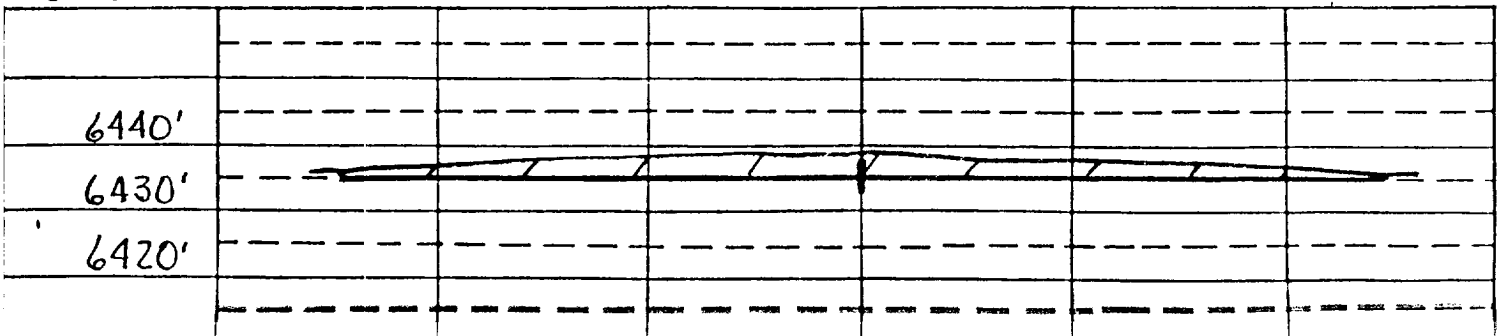
A - A'      Vert: 1" = 30'      Horiz: 1" = 50'      C/L

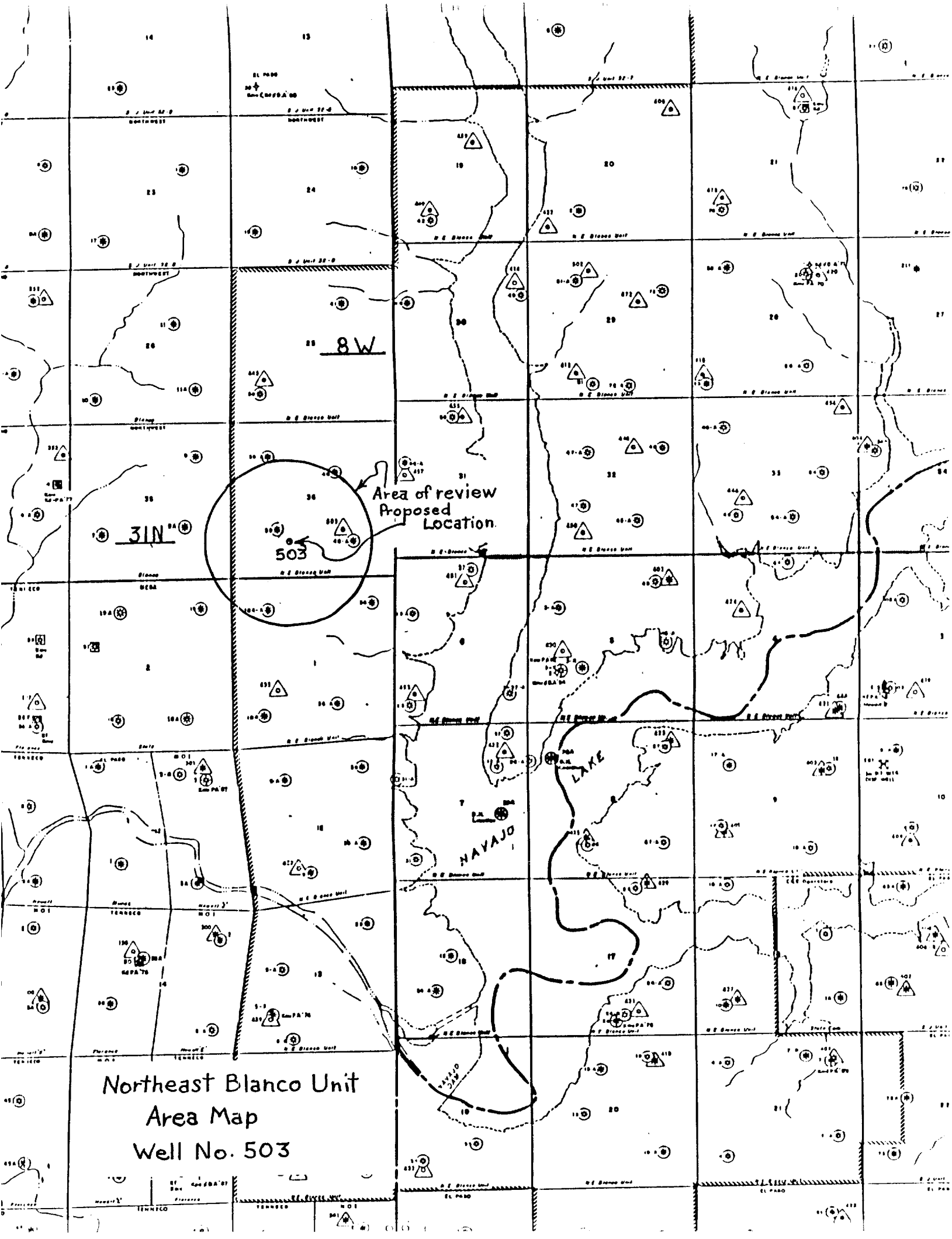


B - B'      C/L



C - C'      C/L





Area of review  
Proposed Location.  
503

31N

8W

NAVAJO

LAKE

Northeast Blanco Unit  
Area Map  
Well No. 503

EL PASO  
MEXICO

TEXAS

EL PASO

EL PASO