

Submit to Appropriate
District Office
State Lease -- 6 copies
Fee Lease -- 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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

API NO. (assigned by OCD on New Wells)
30-045-21341
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E178-1

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐	7. Lease Name or Unit Agreement Name Northeast Blanco Unit
b. Type of Well: OIL WELL ☐ GAS WELL ☐ OTHER ☐ Water Disposal ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐	8. Well No. 502
2. Name of Operator Blackwood & Nichols Co., Ltd.	9. Pool name or Wildcat Wildcat MORRISON-ENTRADA
3. Address of Operator P. O. Box 1237, Durango, Colorado 81302-1237	
4. Well Location Unit Letter G : 1650 Feet From The North Line and 1480 Feet From The East Line Section 32 Township 31N Range 7W NMPM San Juan County	

10. Proposed Depth 9000' 9180'	11. Formation Entrada	12. Rotary or C.T. Rotary
13. Elevations (Show whether DF, RT, GR, etc.) 6370' GL	14. Kind & Status Plug. Bond Blanket	15. Drilling Contractor *
16. Approx. Date Work will start March 27, 1989		

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.

1. C-102
2. Vicinity Map with access
3. Drilling Pad Layout
4. Map of Area Wells

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

RECEIVED

FEB 15 1989

OIL CON. DIV.

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 February 10, 1989
TYPE OR PRINT NAME William F. Clark TELEPHONE NO. 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 date of application submitted

Submit to Appropriate
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Fee Lease - 3 copies

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Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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Santa Fe, New Mexico 87504-2088

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WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Blackwood & Nichols Co., LTD.			Lease Northeast Blanco Unit		Well No. 502
Unit Letter G	Section 32	Township 31 North	Range 7 West	County San Juan	
Actual Footage Location of Well: 1650 feet from the North line and 1480 feet from the East line					
Ground level Elev. 6370'	Producing Formation Morrison Entrada		Pool Undesignated	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

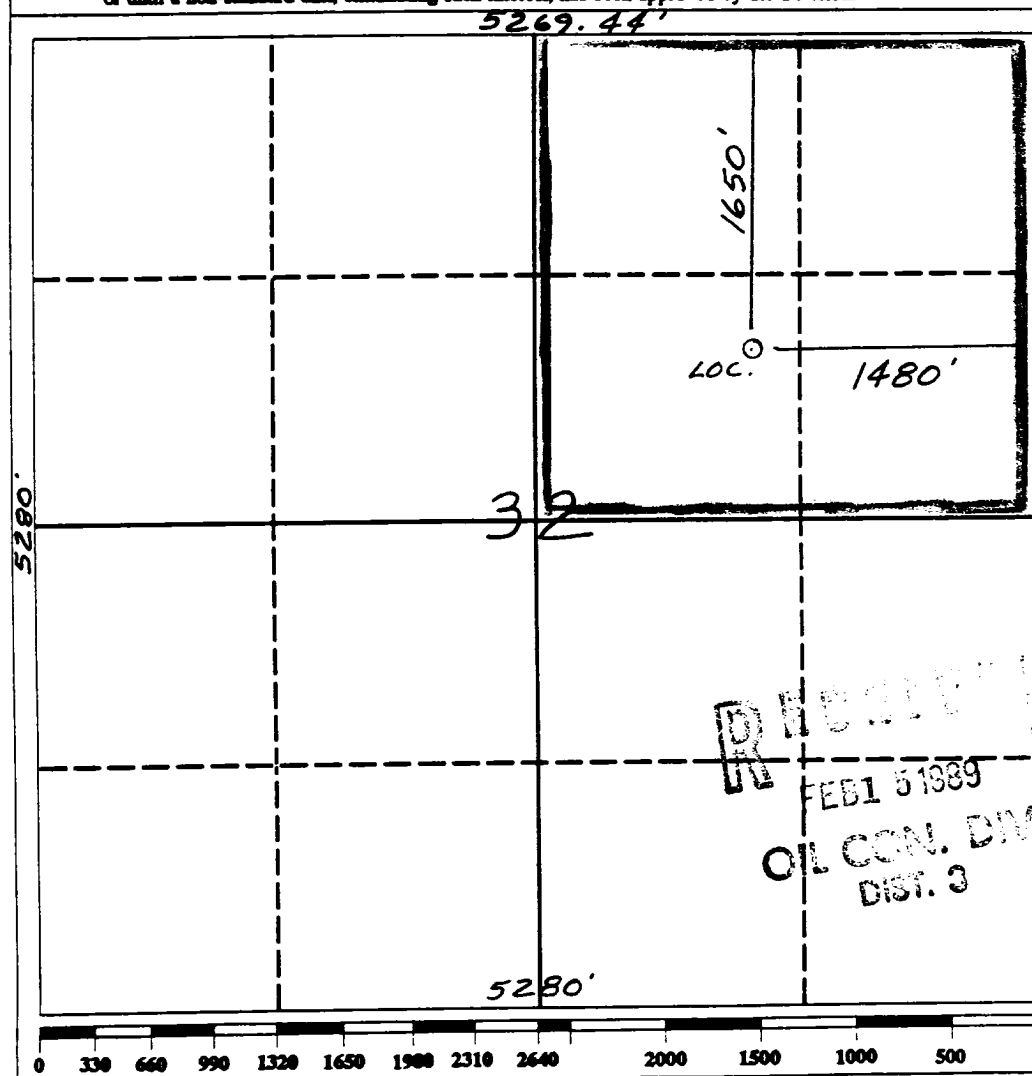
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
William F. Clark

Printed Name
William F. Clark

Position
Operations Manager

Company
Blackwood & Nichols Co., Ltd.

Date
Feb. 10, 1989

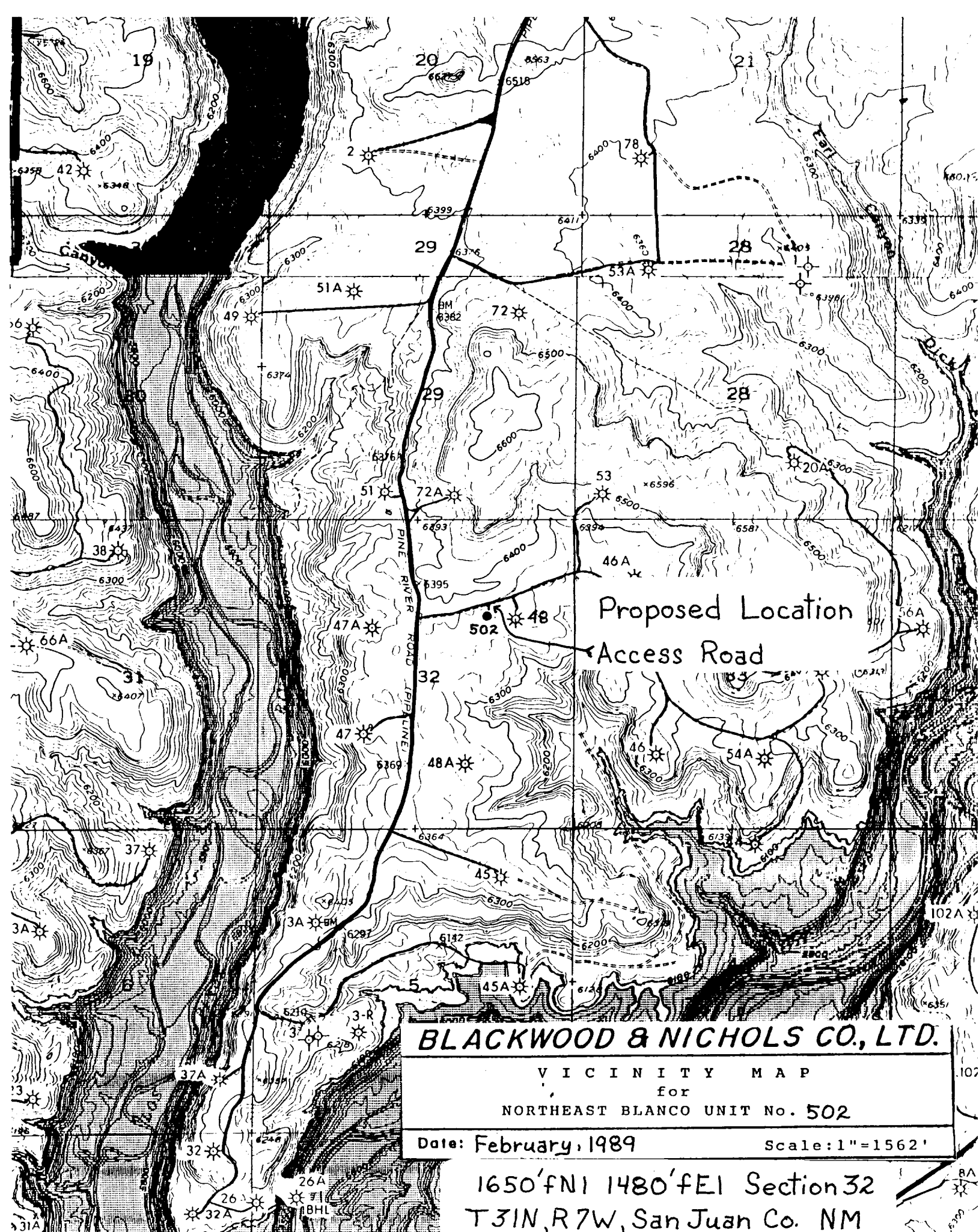
SURVEYOR CERTIFICATION

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
Feb. 10, 1989

Signature & Seal of
Professional Surveyor

Certificate No.
6857



BLACKWOOD & NICHOLS CO., LTD.

VICINITY MAP
for
NORTHEAST BLANCO UNIT No. 502

Date: February, 1989

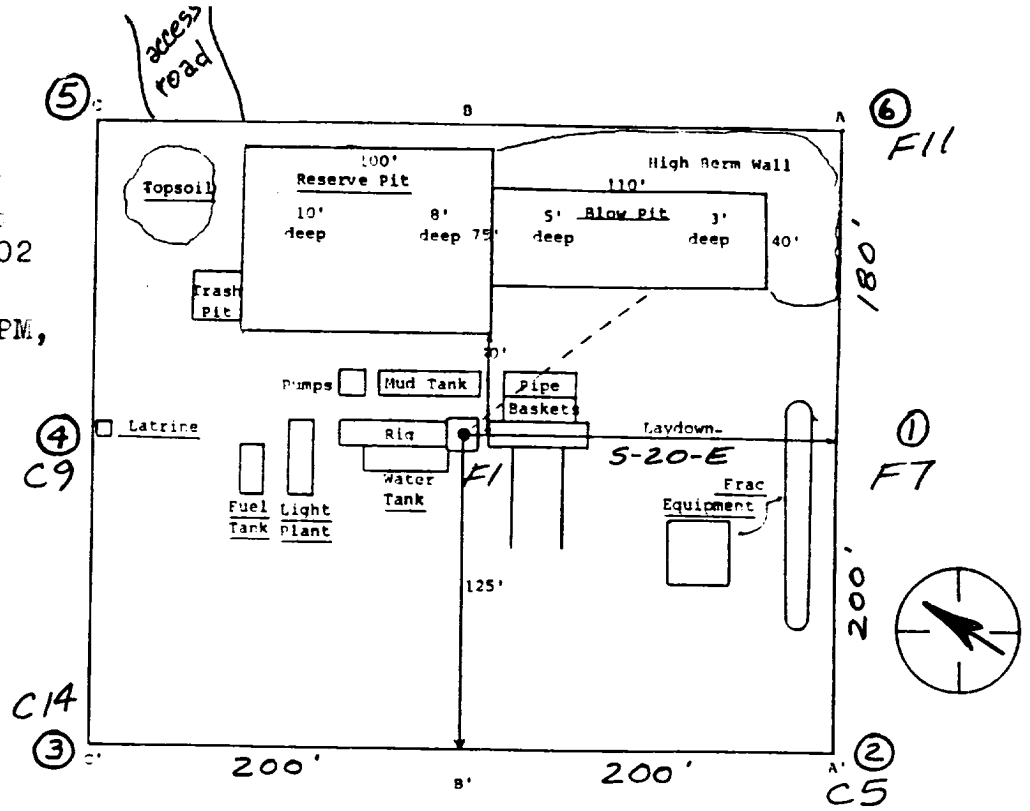
Scale: 1"=1562'

1650'fN1 1480'fE1 Section 32
T31N, R7W, San Juan Co. NM

Blackwood & Nichols
Co., LTD.

Northeast Blanco Unit
#502

1650'FNL, 1480'FEL,
Sec.32, T31N, R7W, NMPM,
San Juan County, N.M.

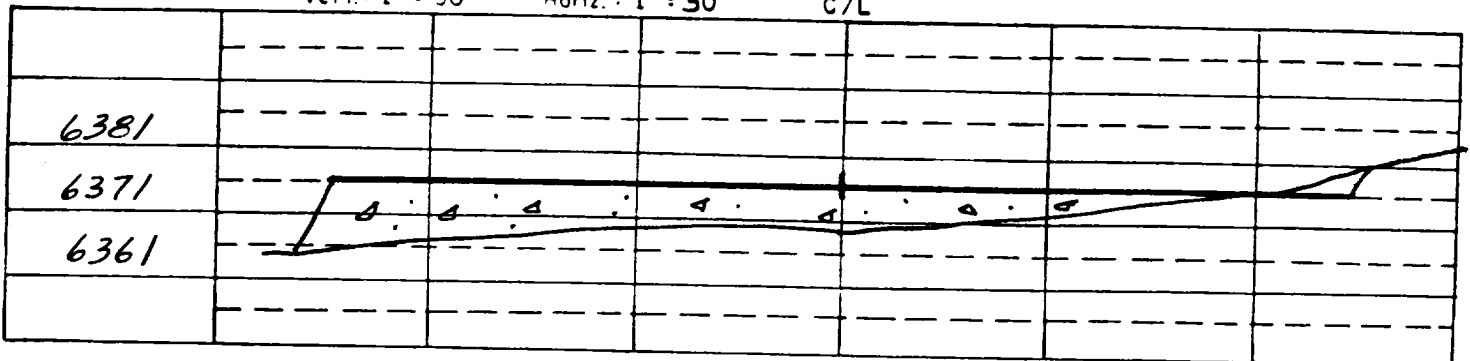


A - A'

Vert. : 1" = 30'

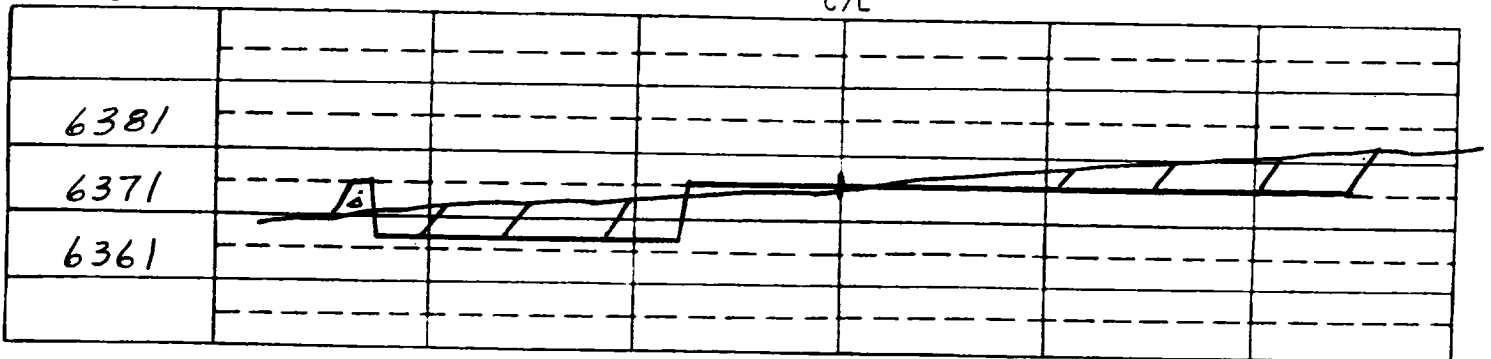
Horiz. : 1" = 50'

C/L



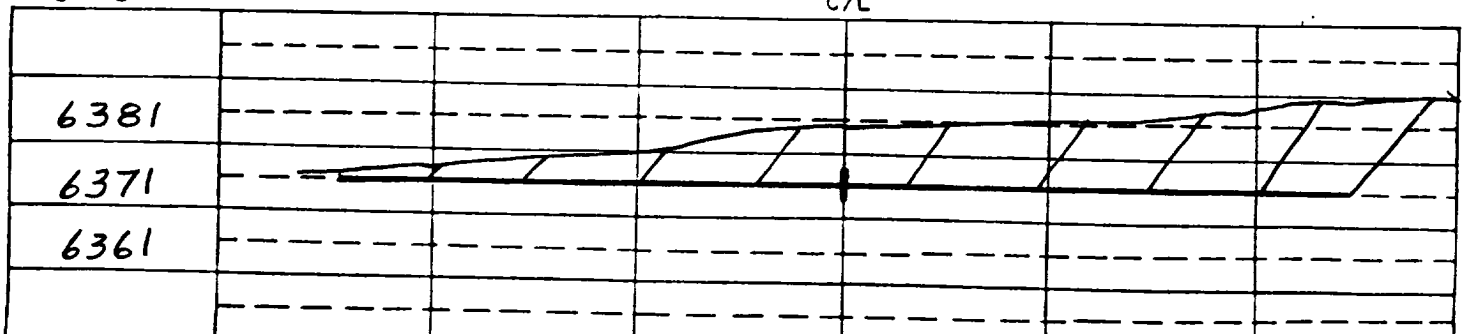
B - B'

C/L



C - C'

C/L



Northeast Blanco Unit
Area Map
Well No. 502

