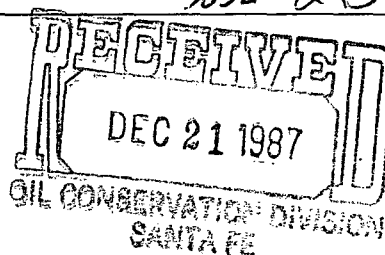


*M. Stogner*

*Release Immediately*

**FRED POOL DRILLING, INC.**

*NSL-2459*



P.O. Box 1393  
Roswell, New Mexico 88201

December 18, 1987

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attention: David R. Catanach, Engineer

Dear Mr. Catanach,

Enclosed please find APD for our proposed Byrom State #3 well. We hereby apply for an unorthodox location for this well as shown on the form C-102. The reason we are asking for the unorthodox location is that we believe the Pennsylvanian sand channel will be thicker and more porous in the north end of Section 1. This is illustrated by the enclosed map.

The offsetting operators, Elk Oil Company and Yates Petroleum Corp., have been notified of this application by certified mail.

Thank you for your consideration of this application, if I may be of help, please let me know.

Sincerely,

*Fred F. Pool, III*

Fred Pool Drilling, Inc.  
Fred F. Pool, III  
Petroleum Engineer

FFP/deb

Enclosures: 3

*990' FNL-1980' FWL (Unit C)  
Sec. 1 - T9S - R26E Chaves County  
Undesignated North Four Ranch  
Pennsylvanian Gas Pool  
W/2 of said Sec. 1  
W. 11.26.3 General Rule 104. F(I)*

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LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. L 6408	

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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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"/>		8. Farm or Lease Name Byrom State	
2. Name of Operator Fred Pool Drilling, Inc.		9. Well No. 3	
3. Address of Operator P. O. Box 1393, Roswell, NM 88202		10. Field and Pool, or Wildcat Foor Ranch Penn	
4. Location of Well UNIT LETTER <u>C</u> LOCATED <u>990</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>1</u> TWP. <u>9S</u> RGE. <u>26E</u> NMPM		12. County Chaves	
19. Proposed Depth 6500'		19A. Formation Penn	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3886 GR	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor L & M	
22. Approx. Date Work will start 1-15-88			

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	1000'	600	Circulate
7 7/8"	5 1/2"	15.5#	6500'	700	3500'

Shafer Double ram hydraulic B.O.P. will be used.

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.

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

Signed Fred Pool Title Engineer Date 12/16/87  
(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

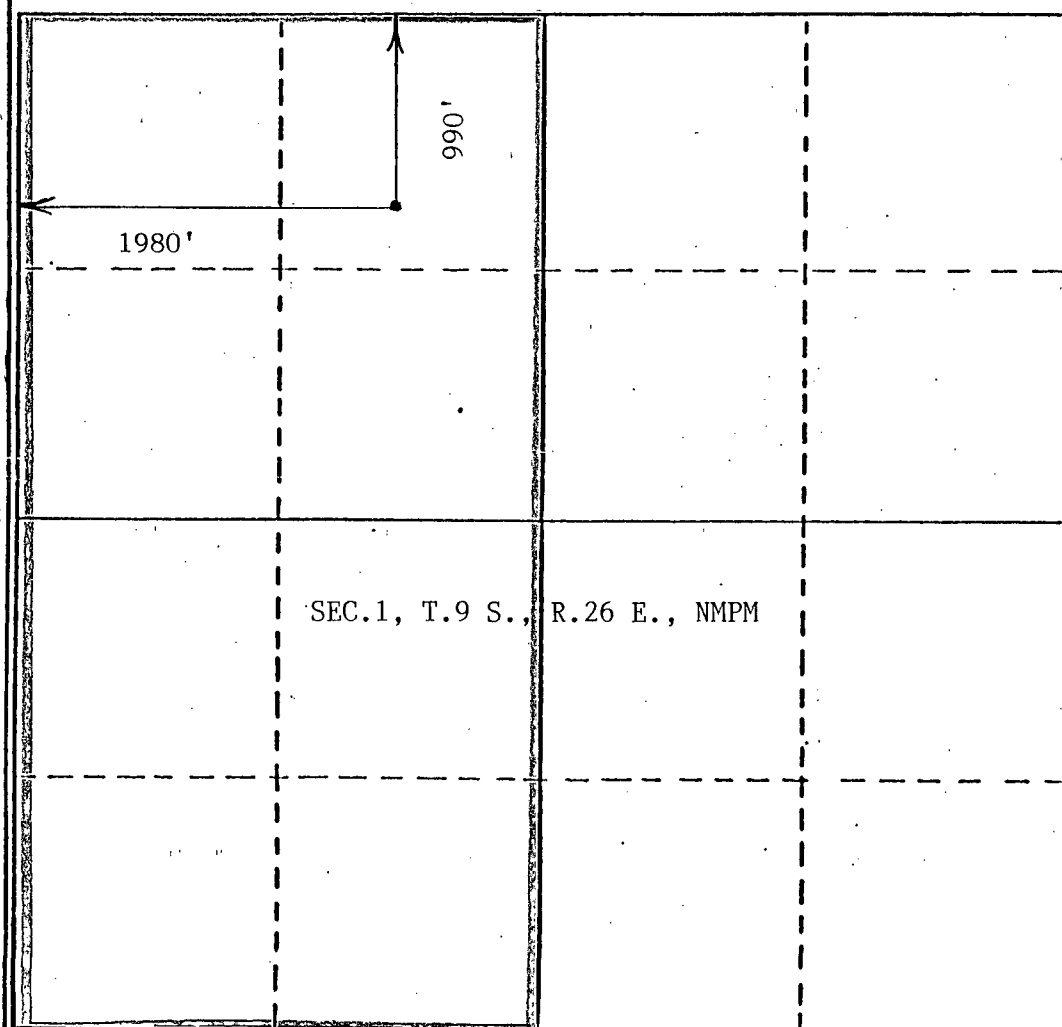
Operator FRED POOL DRILLING		Lease BYROM STATE		Well No. #3
Unit Letter C	Section 1	Township 9 SOUTH	Range 26 EAST	County CHAVES
Actual Footage Location of Well: 990 feet from the NORTH line and 1980 feet from the WEST line				
Ground Level Elev. 3886	Producing Formation PENN	Pool FOOR RANCH	Dedicated Acreage 320 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 Division.



#### CERTIFICATION

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

*Fred F. Pool, III*

Name

Fred F. Pool, III

Position

Petroleum Engineer

Company

Fred Pool Drilling, Inc.

Date

12/18/87

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

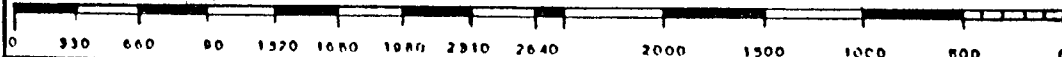
DECEMBER 10, 1987

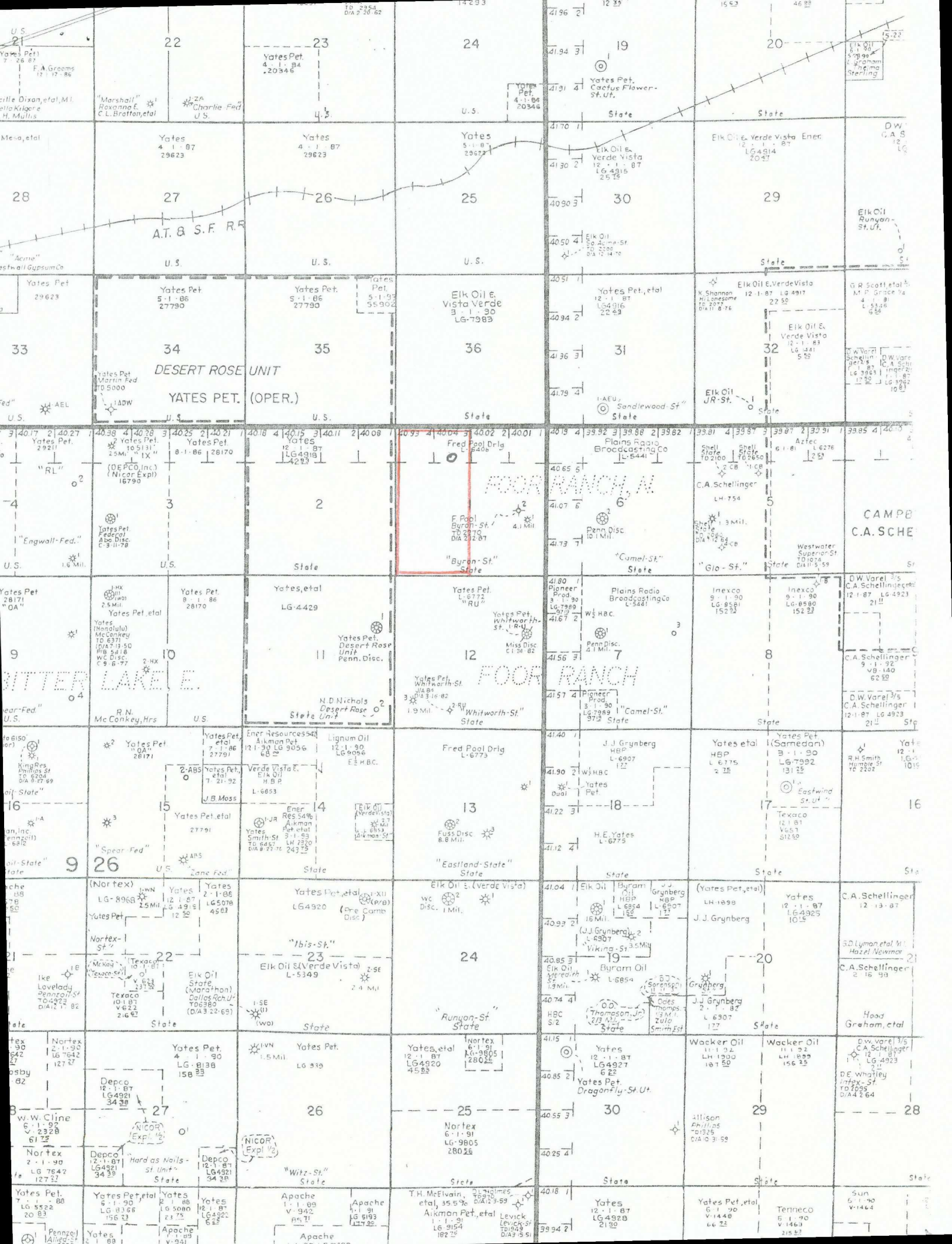
Registered Professional Engineer and/or Land Surveyor

*John D. Jacques*  
JOHN D. JACQUES  
SURVEYOR & L.S.

Certificate No.

106290





**Jack Ahlen**  
CONSULTING GEOLOGIST  
533 PETROLEUM BUILDING  
ROSWELL, NEW MEXICO 88201

18 Dec. 1987

Mr. Fred Pool Jr.  
604 N. Richardson  
Roswell, N.M. 88201

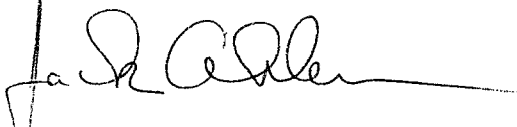
Re: Byrom State #3  
990'FNL & 1980'FWL  
Sec. 1 T9S R26E

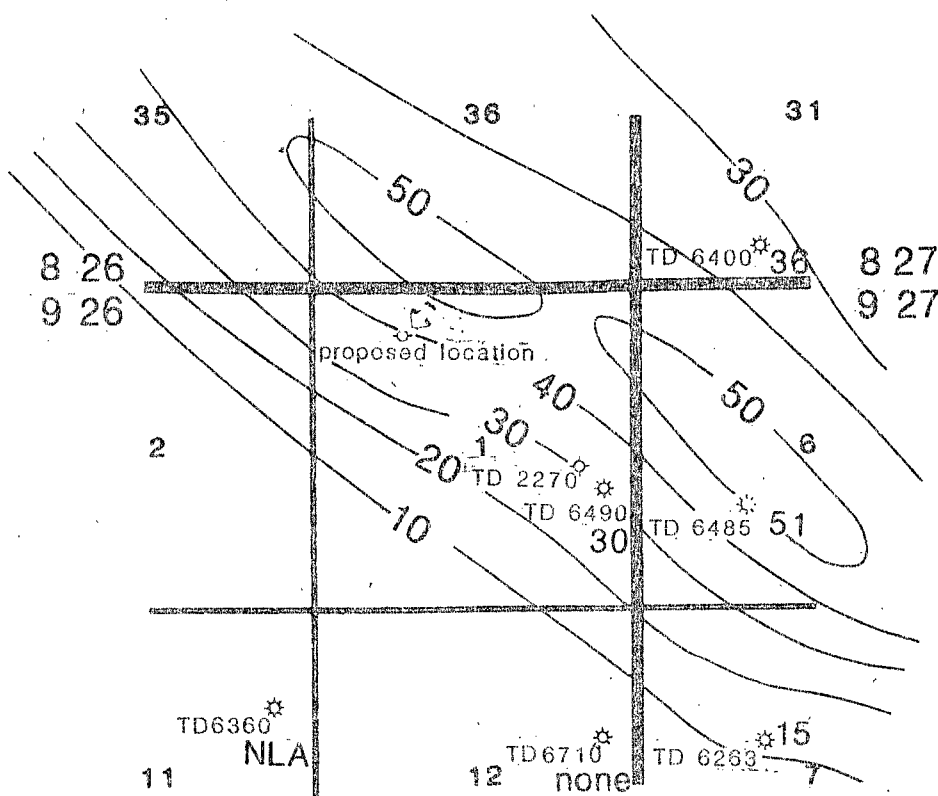
Dear Mr. Pool,

I recommend that you drill a Pennsylvanian Sand test to approximately 6400 feet at the location indicated above and on the attached subsurface geological map. The Pennsylvanian Sands produce from stream channel systems which were a part of the regional drainage system of the Pedernal Uplift to the northwest. In this area of Chaves Co. the channels are oriented northwest to southeast. Regional dip closely parallels this orientation. The proposed location is chosen to ensure adequate drainage and allow maximum efficient rate of production from the target reservoir.

I strongly recommend against moving the location to the south into unit F of said section as it might adversely affect your completion of a commercial well.

Respectfully submitted,

  
Jack Ahlen



## Proposed Location, Byrom State #3

Pennsylvanian Sand

Net pay Isolith

Porosity  $\geq 6\%$  and a resistivity profile

December 1987

Jack Ahlen

Dawn Ahlen