Release Imediately

M. Slegar

FRED POOL DRILLING, INC.

NSL-2459

P.O. Box 1393 Roswell, New Mexico 88201

DEC 21 1987

Mariamore

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,

990'FNL-1980'FWL (Unit ()
Sec. 1-T95-226 E Chaves County
Underignoted North Foor Ronch
fennsylvanian Gas Pool
W/Z of said Sec. 1
Swells. 3) General Rule 104. F(I)

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 Pool Drilling, Inc.

Fred F. Pool, III Petroleum Engineer

FFP/deb

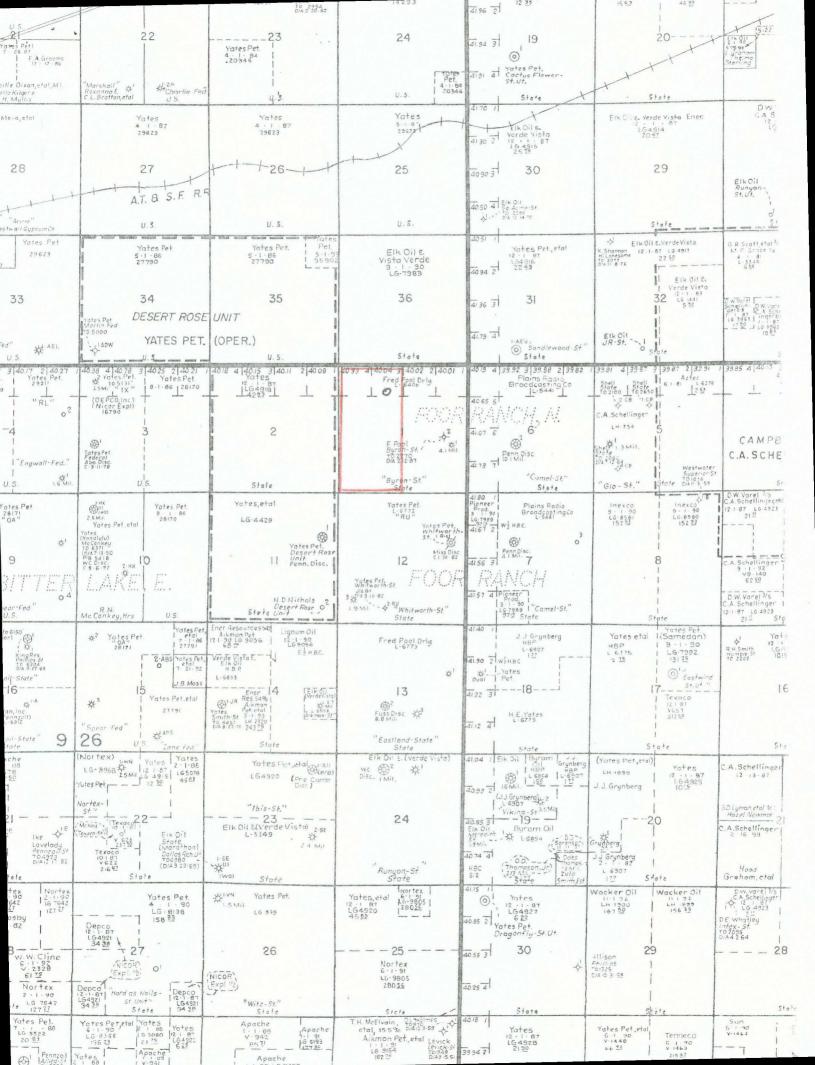
Enclosures: 3

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			6500'	Penn	•	Rotary
21. Elevations (Show whether DF,	RT, etc.) 21A. Kind	& Status Plug. Bond	21B. Drilling Contractor	Temi	T22 Approx	Date Work will start
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23.						
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TIVE ZONE. GIVE BLOWOUT PREVENTI	ER PROGRAM, IF ANY.					
hereby certify that the information	on above is true and comp	elete to the best of my k	npwledge and belief.			
inged full Hood	TD.	Title	Engineer	i	Date 12	/16/87
·Buen					Jate	
(This space for S	State Use)					
APPROVED BY		TITLE		{	DATE	

CONDITIONS OF APPROVAL, IF ANY:

form C-102 Revised 10-1-78

Until Letter C Section Township 9 SOUTH North 10 SOUTH 1	Operator EDED DOOL DELLIANC						Well No.						
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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

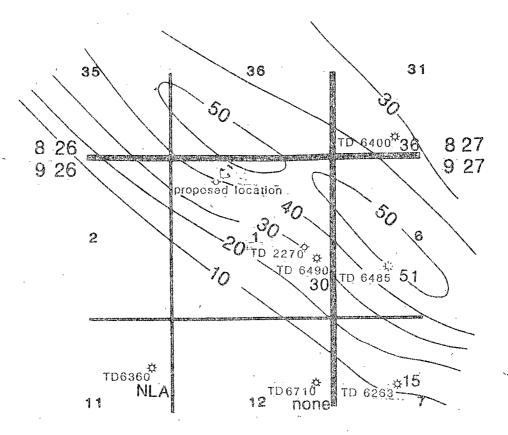
Dear Mr. Pool,

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,

lack Ahlen



Proposed Location, Byrom State #3

Pennsylvanian Sand

Net pay Isolith

Porosity≥6% and a resistivity profile

December 1987

Jack Ahlen Dawn Ahlen