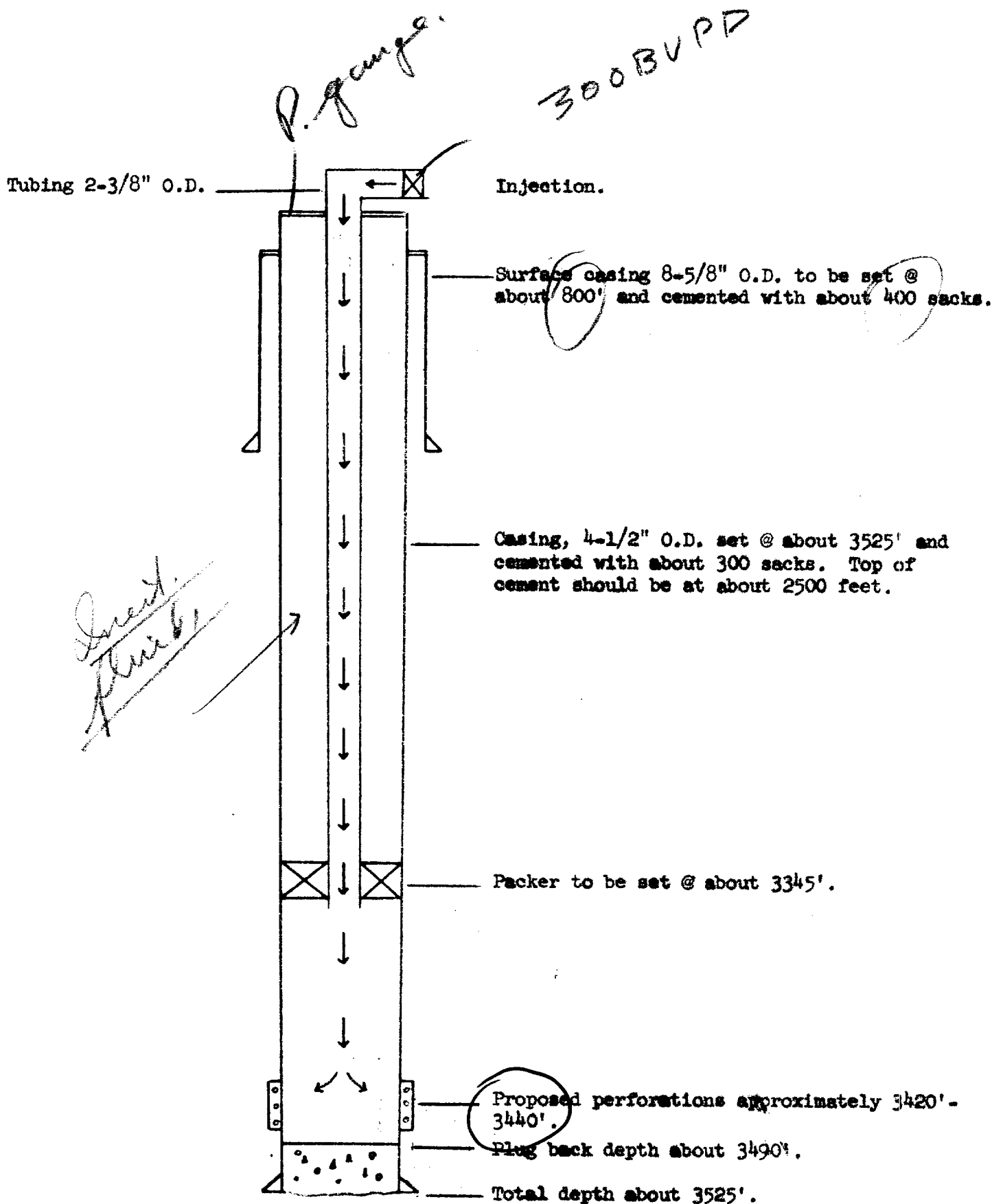


ATLANTIC RICHFIELD COMPANY  
STRUCTURE MAP  
CONTOURED ON QUEEN SAND  
SHUGART FIELD  
EDDY COUNTY, NEW MEXICO

EXHIBIT NO. 2

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
App.	EXHIBIT NO. <u>2</u>
CASE NO.	<u>4110</u>

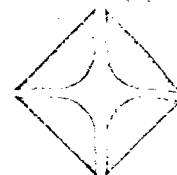
ATLANTIC RICHFIELD COMPANY  
 SCHEMATIC DRAWING  
 PROPOSED PANCO FEDERAL NO. 2  
 SHUGART FIELD  
 EDDY COUNTY, NEW MEXICO  
 EXHIBIT NO. 4



<b>BEFORE EXAMINER UTZ</b>	
<b>OIL CONSERVATION COMMISSION</b>	
App. <u>          </u>	EXHIBIT NO. <u>4</u>
CASE NO. <u>4110</u>	

Atlantic Richfield Company North American Producing Division  
New Mexico-Arizona District  
Post Office Box 1978  
Roswell, New Mexico 88201  
Telephone 505 622 4041

Exhibit 5



W. P. Tomlinson  
District Engineer

March 31, 1969

Gulf Oil Corporation ✓  
P. O. Box 1938  
Roswell, New Mexico 88201  
Attention: Mr. M. I. Taylor

Marathon Oil Company  
P. O. Box 552  
Midland, Texas 79701  
Attention: Mr. B. G. Howard

Re: Unorthodox Well Location  
Panco Federal No. 2  
100' FNL & 100' FWL, Sec. 23-18S-31E  
Eddy County, New Mexico

Gentlemen:

Atlantic Richfield Company plans to drill the above described well to a depth of approximately 3550' and complete it as a water injection well in the Queen sand. We expect to inject about 250 BWPD into this well with a surface pressure of approximately 1500 psi.

As shown on the attached map, this well would be drilled in an unorthodox location. We are currently filing applications with the New Mexico Oil Conservation Commission for authority to drill this well in the proposed unorthodox location and to conduct a waterflood on the Panco Lease. A hearing on these applications will probably be held on April 23, 1969. Attached for your reference is a copy of the exhibits we plan to present at the hearing.

If you have no objections to these applications, we would appreciate your signing and returning one copy of this waiver to the undersigned for presentation at the hearing.

Respectfully yours,

W. P. Tomlinson

Company GULF OIL CORPORATION

Signed By M. I. Taylor

Date District Production Manager

April 1, 1969

BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION  
App. EXHIBIT NO. 1  
CASE NO. 100