

GENERAL OFFICES  
120 BROADWAY NEW YORK

MAIN OFFICE OCC  
1957 NOV 21 PM 4:34  
**AMERADA PETROLEUM CORPORATION**  
BEACON BUILDING  
P. O. BOX 2040  
**TULSA 2, OKLA.**

ROBERT J. STANTON  
GENERAL COUNSEL  
JOHN S. MILLER  
ASSISTANT GENERAL COUNSEL

LEGAL DEPARTMENT

H. D. BUSHNELL  
HAROLD J. FISHER  
ROBERT T. JAMES  
ROBERT E. LEE  
JAMES C. MCWILLIAMS  
VIRGIL C. MORELLE  
ARDEN E. ROSS  
ATTORNEYS

November 21, 1957

Oil Conservation Commission  
State of New Mexico  
Santa Fe, New Mexico

Re: Cause No. 1325  
Amerada's application for amending  
Order No. R-991, covering Bagley Upper  
Pennsylvanian Gas Pool, Lea County,  
New Mexico.

Gentlemen:

Enclosed is copy of Amerada's Exhibit No. 6, which was withdrawn  
by approval of the Commission for the purpose of duplication.

By way of explanation and in order to clarify the record, the figures  
in green represent the number of feet of porosity development in the common  
source based on the interpretation of micrologs; figures for the wells identi-  
fied on the exhibit by "(A)" entered in green are based on interpretations of  
the the 32-inch limestone lateral curve, namely:

Shell State A, No. 1	-	SE SE Sec. 33-11S-33E;
Caudle No. 5	-	NE NE Sec. 3-12S-33E;
Caudle No. 1	-	SE NE Sec. 10-12S-33E.

The porosity development of the three wells based on the limestone  
lateral curve indicate comparable quality to the porosity development of other  
wells on which we made a comparison of findings of the porosity as interpreted  
from both the microlog and the 32-inch limestone lateral curve.

The interpretations of the three wells, named herein, are confirmed by  
a Schlumberger log analyst.

A copy of this letter and of the enclosed Exhibit is being mailed  
this date to Texas Pacific Coal & Oil Company, who made an appearance in  
this cause.

HDB:FC

cc: Texas Pacific Coal & OIL Co.  
Fort Worth, Texas  
Mr. Jack Campbell  
Attorney at Law  
Box 721, Roswell, New Mexico

Very truly yours,

  
H. D. Bushnell