

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK	X	NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE	X	NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE	X	NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Tatum, New Mexico  
(Place)

March 23, 1962  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the.....

**Amerada Petroleum Corporation** **State E.O."F"** Well No. **1** in **M**  
(Company or Operator) (Unit)  
**SW/4** **SW/4** **11** **12-S** **32-E** **East Caprock Devonian** Pool  
(40-acre Subdivision) 1/4 of Sec. T. R. NMPM.,  
**Lea** County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Present TD 11,302' Producing @ Present from Devonian Open Hole from 11,270' to 11,302'

**INTENSIONS:** Pull 2-7/8" OD Tubing and Rods Pump. Run Cement Bond Log to 10,100' and run 2-3/8" OD Tubing and Cast Iron Cement Retainer and set @ approx. 10,150'. Squeeze 50 sacks cement below cement retainer and dump 10 sacks cement on top of Retainer. Perforate 5-1/2" OD casing in Pennsylvanian zone from 9962' to 9976' and from 9990' to 10,000' by Schlumberger Micro Log with 2 shots per foot. Acidize these perforations with 3000 gallons 15% acid injecting 48 ball sealers constantly in last 2000 gallons acid. Swab well in and put on production.

Will change well from producing in the Devonian zone to producing in Pennsylvanian Zone.

Approved....., 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION

By.....  
Title.....

**Amerada Petroleum Corporation**

By *W. C. Henderson* Company or Operator  
Position **Assistant District Superintendent**  
Send Communications regarding well to:

Name **Amerada Petroleum Corporation**  
Address **Russell Star Route - Tatum, New Mexico**

1. The first part of the paper is devoted to the study of the

properties of the function  $f(x)$  defined by the equation

It is shown that the function  $f(x)$  is continuous and differentiable at every point of the interval  $(0, 1)$ . The derivative of the function is given by the formula

$$f'(x) = \frac{1}{x} \left( 1 - \frac{1}{x} \right) \quad (0 < x < 1)$$

where  $\gamma$  is the Euler-Mascheroni constant.