

AFFIDAVIT OF COMMUNITIZATION AGREEMENT

FILED 1 OFFICE 000

STATE OF NEW MEXICO

COUNTY OF LEA

ss.

NOV 23 PM 2:15

C. G. Confer

, being first duly sworn,  
deposes and says, that he is the duly authorized agent and representative of

Sinclair Oil & Gas Company

, designated operator of the

STATE 396

2

located in

Lease

Well No.

South Half (S $\frac{1}{2}$ ) of Northwest Quarter (NW $\frac{1}{4}$ ) of Section 35-153-36E

Legal Description of Unit

N.M.P.M., consisting of 80 acres and that all owners of working  
interests underlying the above described unit have pooled or communitized  
their respective interests for the purpose of production of oil or gas and  
associated hydrocarbons from said unit, insofar as said production pertains  
to the Dean Permian-Pennsylvanian Pool.

C G Confer  
Signature

Subscribed and sworn to before me this 20th day of Nov.,  
19 56.

[Signature]  
Notary Public in and for the  
County of Lea

My Commission Expires:

2-1-58

Orig. 61cc- 000

1cc- Mr. FHR-MFD-f

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

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

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

It is well known that this function is the arctangent function, i.e.,  $f(x) = \arctan x$ .

The second part of the paper is devoted to the study of the

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

$$g(x) = \int_0^x \frac{1}{1+t^4} dt$$

It is well known that this function is the function  $g(x) = \frac{1}{3} \arctan \frac{x}{\sqrt{1-x^2}}$ .

The third part of the paper is devoted to the study of the

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

$$h(x) = \int_0^x \frac{1}{1+t^6} dt$$

It is well known that this function is the function  $h(x) = \frac{1}{5} \arctan \frac{x}{\sqrt{1-x^2}}$ .

The fourth part of the paper is devoted to the study of the

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

$$i(x) = \int_0^x \frac{1}{1+t^8} dt$$

It is well known that this function is the function  $i(x) = \frac{1}{7} \arctan \frac{x}{\sqrt{1-x^2}}$ .

2. The second part of the paper is devoted to the study of the

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

$$j(x) = \int_0^x \frac{1}{1+t^{10}} dt$$

It is well known that this function is the function  $j(x) = \frac{1}{9} \arctan \frac{x}{\sqrt{1-x^2}}$ .

3. The third part of the paper is devoted to the study of the

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

$$k(x) = \int_0^x \frac{1}{1+t^{12}} dt$$