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NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

FORM C-110
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator Sinclair Oil & Gas Company				Lease Winberly W		Well No. 1	
Unit Letter F	Section 23	Township 25S	Range 37E	County Los			
Pool Jalmit Gas				Kind of Lease (State, Fed, Fee) Patented			
If well produces oil or condensate give location of tanks			Unit Letter	Section	Township	Range	
Authorized transporter of oil <input type="checkbox"/> or condensate <input type="checkbox"/>				Address (give address to which approved copy of this form is to be sent)			
Is Gas Actually Connected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>			Date Connected	Address (give address to which approved copy of this form is to be sent)			
HP - Sinclair Oil & Gas Company			10-1-64	P.O. Box 1920, Hobbs, New Mexico			
LP - El Paso Natural Gas Co.			10-1-64	Jal, New Mexico			

If gas is not being sold, give reasons and also explain its present disposition:

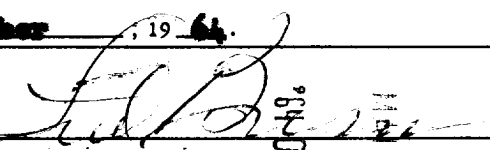
REASON(S) FOR FILING (please check proper box)

New Well ☐ Change in Ownership ☐
 Change in Transporter (check one) Other (explain below)
 Oil ☐ Dry Gas ☒
 Casing head gas . ☐ Condensate . . ☐

Remarks **Filed to show Sinclair Oil & Gas Company as purchaser of HP gas - this HP gas will be used to gas lift other Sinclair Oil & Gas Company wells on the Winberly W lease and then sold to El Paso Natural Gas Company through their low pressure outlet.**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the **20th** day of **October**, 19 **64**.

OIL CONSERVATION COMMISSION		By
Approved by		
Title		Dist. Supt.
Date		Box 1920, Hobbs, New Mexico

Original: OCC; cc:RFS, File

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

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

for $x \in \mathbb{R}$. It is shown that $f(x)$ is an odd function and that $f(x) \in C^1(\mathbb{R})$. Moreover, it is proved that $f(x)$ is a strictly increasing function and that $f(x) \in C^2(\mathbb{R})$.

2. In the second part of the paper, we study the properties of the function $g(x)$ defined by the equation

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

for $x \in \mathbb{R}$. It is shown that $g(x)$ is an even function and that $g(x) \in C^1(\mathbb{R})$. Moreover, it is proved that $g(x)$ is a strictly increasing function and that $g(x) \in C^2(\mathbb{R})$.

3. In the third part of the paper, we study the properties of the function $h(x)$ defined by the equation

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

for $x \in \mathbb{R}$. It is shown that $h(x)$ is an even function and that $h(x) \in C^1(\mathbb{R})$. Moreover, it is proved that $h(x)$ is a strictly increasing function and that $h(x) \in C^2(\mathbb{R})$.

4. In the fourth part of the paper, we study the properties of the function $k(x)$ defined by the equation

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

for $x \in \mathbb{R}$. It is shown that $k(x)$ is an even function and that $k(x) \in C^1(\mathbb{R})$. Moreover, it is proved that $k(x)$ is a strictly increasing function and that $k(x) \in C^2(\mathbb{R})$.

5. In the fifth part of the paper, we study the properties of the function $l(x)$ defined by the equation

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

for $x \in \mathbb{R}$. It is shown that $l(x)$ is an even function and that $l(x) \in C^1(\mathbb{R})$. Moreover, it is proved that $l(x)$ is a strictly increasing function and that $l(x) \in C^2(\mathbb{R})$.

6. In the sixth part of the paper, we study the properties of the function $m(x)$ defined by the equation

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

for $x \in \mathbb{R}$. It is shown that $m(x)$ is an even function and that $m(x) \in C^1(\mathbb{R})$. Moreover, it is proved that $m(x)$ is a strictly increasing function and that $m(x) \in C^2(\mathbb{R})$.