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OPERATOR	WESTERN NATURAL GAS COMPANY		
LEASE NAME	WINNERLEY	WELL NO.	NO. 5
LOCATION	UNIT C, SEC. 24, 25S, 37E	COUNTY	LEA

Time	ELLENBURGER Pressure	MONTROYA Pressure	Remarks
	(6-2-58)		
11:00 PM	-	-	BOTH SIDES SHUT IN FOR PACKER LEAKAGE TEST
	(6-6-58)		
12:30 PM	1193 DWT	682 DWT	HOOKE UP METER AND STARTED STABILIZED SHUT IN PERIOD
2:45	1193	682	FINISHED 2 HOUR STABILIZED PERIOD AND OPENED MONTROYA SIDE FOR FLOW TEST
5:00	1193	593	STARTED 2 HOUR STABILIZED FLOW PERIOD
6:00	1193	593	
7:00	1193	593	FINISHED 2 HOUR STABILIZED FLOW PERIOD AND SHUT MONTROYA SIDE IN FOR BUILD UP
	(6-7-58)		
8:30 AM	1152	464	STARTED 2 HOUR STABILIZED SHUT IN PERIOD
10:30	1152	464	
11:30	1152	464	FINISHED 2 HOUR STABILIZED SHUT IN PERIOD AND OPENED ELLENBURGER SIDE FOR FLOW TEST
2:30 PM	1061	464	STARTED 2 HOUR STABILIZED FLOW TEST
3:30	1061	464	
4:30	1061	464	FINISHED 2 HOUR STABILIZED FLOW PERIOD AND SHUT ELLENBURGER SIDE IN
			TEST COMPLETE

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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 shown that the function $f(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$ and that its derivative is equal to $\frac{1}{1+x^2}$.

2. In the second part of the paper, we consider the function $F(x)$ defined by the equation

$$F(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt$$

It is shown that the function $F(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$ and that its derivative is equal to $\frac{1}{1+x^2} + \frac{1}{1+x^4}$.

3. In the third part of the paper, we consider the function $G(x)$ defined by the equation

$$G(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt + \int_0^x \frac{1}{1+t^6} dt$$

It is shown that the function $G(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$ and that its derivative is equal to $\frac{1}{1+x^2} + \frac{1}{1+x^4} + \frac{1}{1+x^6}$.

4. In the fourth part of the paper, we consider the function $H(x)$ defined by the equation

$$H(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt + \int_0^x \frac{1}{1+t^6} dt + \int_0^x \frac{1}{1+t^8} dt$$

It is shown that the function $H(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$ and that its derivative is equal to $\frac{1}{1+x^2} + \frac{1}{1+x^4} + \frac{1}{1+x^6} + \frac{1}{1+x^8}$.

5. In the fifth part of the paper, we consider the function $I(x)$ defined by the equation