

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 19, 1956

Operator El Paso Natural Gas Company		Lease Storey #5-C	
Location 1973'N, 402'W, Sec. 35-28-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco Pictured Cliffs	
Casing Diameter 5½"	Set At: Feet 3035	Tubing Diameter 1¼"	Set At: Feet 2975
Pay Zone: From 2961	To 3001	Total Depth 3075 c/o 3010	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 730	12 PSIA 742	Days Shut-in 7	Shut-In Pressure, Tubing, PSIG 730
Flowing Pressure: P, PSIG 267	12 PSIA 279		Working Pressure, P _w , PSIG 279
Temperature: T, F 61	F 0.850		Flow From Tables, Gravity 1.027

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_p$

$$Q = 14.1605 \times 279 \times .999 \times .9608 \times 1.027$$

3894

MCF D

OPEN FLOW Aof Q

$$\left(\frac{P_1^2 - P_w^2}{P_0^2 - P_w^2} \right)^n$$

$$\left(\frac{550,564}{465,883} \right)^n$$

$$1.1817^{.85} \times 3894 = 1.1524 \times 3894$$

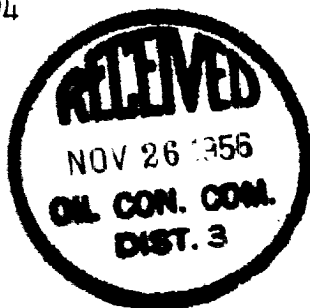
Aof

4487

MCF D

Technician **Tom Grant**

A. L. Galloway



L. D. Galloway

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>2</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Information Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	☒