

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **August 11, 1958**

Operator El Paso Natural Gas		Lease Allison No. 12 (D)	
Location 1825N, 1550E; 14-32-7		County San Juan	State New Mexico
Formation Dakota		Pool N. Los Pinos Dakota	
Casing: Diameter 5"	Set At: Feet 8317	Tubing: Diameter 2"	Set At: Feet 8129
Pay Zone: From 8082	To 8166	Total Depth 8320	Shut-in 7/26/58 Flow Through Tubing X
Stimulation Method Sand Water Frac.		Flow Through Casing	

Choke Size, inches .75	Choke Constant: C 12.365	5" liner 5976 - 8317	
Shut-in Pressure, Casing, PSIG 1634 (MV)	- 12 - PSIA 1646	Days Shut-in 16	Shut-in Pressure, Tubing, PSIG 2313 (Dak)
Flowing Pressure: P, PSIG 590	- 12 - PSIA 602	Working Pressure, Pw, PSIG Calc.	- 12 - PSIA 1376
Temperature: T, °F 84	Friction Factor .75	Fpv from Table 1.048	Gravity .619

Final SIPC (MV) = 1652 psig

Packer at 5957

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$ $Q = 12.365 \times 602 \times .9777 \times .9877 \times 1.048$

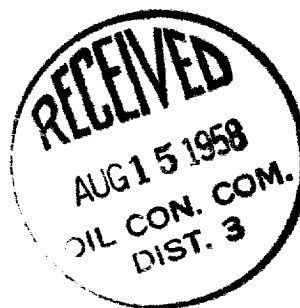
7533

MCF/D

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{5405625}{3512249} \right)^n$$

$$(1.5390)^{.75} (7533) = (1.3815)(7533)$$

Aof **10,407** MCF/DTESTED BY **Jesse Goodwin**WITNESSED BY **Fred Cook (NMCC)**Checked By **S. V. Roberts**

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	1	
Proration Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓