

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 19, 1957

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit No. 50	
Location 550'N, 1150'E, Sec. 25-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5-1/2	Set At: Feet 5923	Tubing: Diameter 2	Set At: Feet 5905
Pay Zone: From 5422	To 5916	Total Depth: 5970 - c/o 5923	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 972	- 12 = PSIA 984	Days Shut-In 11	Shut-In Pressure, Tubing, PSIG 976	- 12 = PSIA 988	
Flowing Pressure: P, PSIG 289	- 12 = PSIA 301		Working Pressure: P _w , PSIG 726	- 12 = PSIA 738	
Temperature: T, °F 72	n = .75		F _{pv} (From Tables) 1.030	Gravity .680	

CHOKE VOLUME: $Q = C \times P_r \times F_t \times F_g \times F_{pv}$

$$Q = 12.365 \times 301 \times .9887 \times .9393 \times 1.030 = 3560 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{976,144}{431,500} \right)^{.75} = 2.2622 \times 3560 = 1.848 \times 3560$$

$$A_{of} = 6579 \text{ MCF/D}$$

TESTED BY R. A. Ullrich

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 2

DISTRIBUTION

	NO. FURNISHED	
Operator		
Santa Fe	2	
Proration Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	