

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 10, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 7-H	
Location 930'S, 990'E, Sec. 6-24-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 2931	Tubing: Diameter 1 1/4	Set At: Feet 2852
Pay Zone: From 2823	To 2848	Total Depth: 2932 - c/o 2890	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 852	- 12 = PSIA 864	Days Shut-In 16	Shut-In Pressure, Tubing, PSIG 852	- 12 = PSIA 864	
Flowing Pressure: P, PSIG 73	- 12 = PSIA 85		Working Pressure: P _w , PSIG 99	- 12 = PSIA 111	
Temperature: T, °F 73	n = .85		F _{pv} (From Tables) 1.008	Gravity .650	

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

$$Q = 12.365 \times 85 \times .9877 \times .9608 \times 1.008 = \underline{1005} \text{ MCF/D}$$

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

$$Aof = \left(\frac{746,496}{734,175} \right)^{.85} = 1.0167^{.85} \times 1005 = 1.01418 \times 1005$$

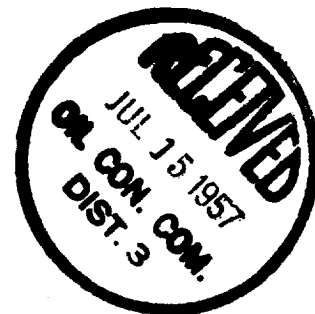
$$Aof = \underline{1019} \text{ MCF/D}$$

TESTED BY R. A. Ullrich

WITNESSED BY Virgil Stoabs (J. Glenn Turner)

cc: Virgil Stoabs (4)

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