

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 21, 1958

Operator El Paso Natural Gas Company		Lease Jicarilla No. 13-H	
Location 1050N, 990E; 7-24-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 2887	Tubing: Diameter 1-1/4	Set At: Feet 2765
Pay Zone: From 2746	To 2762	Total Depth: 3000 c/o 2845	Shut-in 2-23-58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 899	12 - PSIA 911	Days Shut-In 47	Shut-In Pressure, Tubing, PSIG 899
Flowing Pressure: P, PSIG 88	12 - PSIA 100		Working Pressure: P _w , PSIG 92
Temperature: T 60	F _{pn} .85		F _{pv} (From Tables) 1.011
			Gravity .705

CHOKE VOLUME - $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = (12.365) (100) (1.000) (.9225) (1.011) = \underline{1153} \text{ MCF/D}$$

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

$$Aof = \left(\frac{829,921}{819,105} \right)^n (1.0132)^{.85} (1153) = (1.0112) (1153)$$

$$Aof = \underline{1166} \text{ MCF/D}$$

TESTED BY S. V. RobertsWITNESSED BY Virgil Stoabs (B.M.G.)

Lewis D. Galloway
L. D. Galloway

