

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 29, 1958

Operator San Juan Gas Corporation		Lease Federal 26-C	
Location 1140N, 850W; 26-25-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 3514	Tubing: Diameter 1-1/4	Set At: Feet 3430
Pay Zone: From 3316	To 3340	Total Depth: c/o 3500 - 3524	Shut-In 4-10-58
Stimulation Method Sand-Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 909	- 12 = PSIA 921	Days Shut-In 19	Shut-In Pressure, Tubing PSIG 908	- 12 = PSIA 920	
Flowing Pressure: P PSIG 87	- 12 = PSIA 99		Working Pressure: P _w PSIG 237	- 12 = PSIA 249	
Temperature: T °F 54	n = .85		F _{pv} (From Tables) 1.009	Gravity .684	

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_p \times F_g \times F_{pv}$$

$$Q = 12.365 \times 99 \times 1.0058 \times .9393 \times 1.009 = 1167 \text{ MCF/D}$$

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

$$Aof = \left(\frac{848241}{786240} \right)^n = (1.0788)^{.85} \times 1167 = 1.0666 \times 1167$$

$$Aof = 1245 \text{ MCF/D}$$

Blew Heavy Mist of Water Entire Test Period.

TESTED BY Richard Proctor

WITNESSED BY _____

Checked By H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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