

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 17, 1957

Operator El Paso Natural Gas Company		Lease Bolack No. 1-E	
Location 1850'S, 1650'W, Sec. 35-24-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 2135	Tubing: Diameter 1 1/4	Set At: Feet 2057
Pay Zone: From 2045	To 2072	Total Depth: 2135 - c/o 2077	
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 689	- 12 - PSIA 701	Days Shut-In 13	Shut-In Pressure, Tubing, PSIG 689	- 12 - PSIA 701	
Flowing Pressure: P, PSIG 231	- 12 - PSIA 243		Working Pressure: P _w , PSIG 256	- 12 - PSIA 268	
Temperature: T, °F 63	n = .85		F _{pv} (From Tables) 1.024	Gravity .650	

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

$$Q = 12.365 \times 243 \times .9971 \times .9608 \times 1.024$$

2948

MCF D

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

$$Aof = \left(\frac{491,401}{419,577} \right)^n \quad 1.1711^{.85} \times 2948 = 1.1438 \times 2948$$

Aof 3372 MCF D

R. A. Ullrich

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