

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE January 25, 1957

Operator El Paso Natural Gas Company		Lease Rincon Unit # 87	
Location 1800'N, 1700'W, Sec. 13-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing: Diameter 5½	Set At: Feet 3420	Tubing: Diameter 1½	Set At: Feet 3308
Pay Zone: From 3310	To 3336	Total Depth: 3420 - c/o - 3350	
Stimulation Method Sand Water		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 14.1605			
Shut-In Pressure, Casing, PSIG 1060	12 = PSIA 1072	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 1061	12 = PSIA 1073	
Flowing Pressure: P, PSIG 193	12 = PSIA 205		Working Pressure: P _w , PSIG 204	12 = PSIA 216	
Temperature: T, °F 57	n .85		F _{pv} (From Tables) 1.020	Gravity .640	

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

$$Q = 14.1605 \times 205 \times 1.0029 \times .9682 \times 1.020 = 2875 \text{ MCF/D}$$

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

$$(1.0422)^{.85} \times 2875 = 1.0358 \times 2875$$

Aof 2978		MCF/D
TESTED BY R. A. Ullrich		
WITNESSED BY		



L. D. Galloway
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