

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 14, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla # 1-G	
Location 990'S, 1190'W, Sec. 23-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing Diameter 5 1/2	Set At: Feet 3121	Tubing Diameter 1 1/4	Set At: Feet 3070
Pay Zone: From 3026	To 3087	Total Depth: 3200 - c/o - 3100	
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 998	PSIA 1010	Days Shut-in 8	Shut-in Pressure, Tubing, PSIG 998
Flowing Pressure: P _i , PSIG 349	PSIA 361		Working Pressure: P _w , PSIG 371
Temperature: T 58	F 85		F _{pv} (From Tables) 1.037
			Gravity .650 (est.)

CHOKE VOLUME $Q = C \times P_i \times F_i \times F_g \times F_{pv}$

$$= 14.1605 \times 361 \times 1.0019 \times .9608 \times 1.037$$

5103

MCF D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_i}{P_o - P_w} \right)^n$$

$$A_{of} = \left(\frac{1,020,100}{873,411} \right)^n (1.1679)^{.85} \times 5095 = 1.1411 \times 5103$$

A_{of} 5823 MCF D

R. A. Ullrich

Virgil Stoabs (representing J. Glenn Turner)

Cc: Virgil Stoabs (4)

By:

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