

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE June 18, 1957

Operator El Paso Natural Gas Company		Lease Klein No. 5	
Location 1190'S, 850'W, Sec. 34-26-6		County Rio Arriba	State New Mexico
Field Pictured Cliffs		Pool Undesignated	
Casing Diameter 5 1/2	Set At Feet 3032	Tubing Diameter 1 1/4	Set At Feet 2973
Pay Zone From 2940	To 2994	Total Depth 3020 - c/o 2940	
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 849	PSIG - 12 PSIA 861	Days Shut-In 7	Shut-in Pressure, Tubing, PSIG 850
Flowing Pressure, P, PSIG 201	PSIG - 12 PSIA 213		Working Pressure, Pw, PSIG 218
Temperature, T 70	Flowing Pressure, P, PSIG .85		Flow Through Casing 1.021
			Gravity .660

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

$$Q = 12.365 \times 213 \times .9905 \times .9535 \times 1.021$$

2540

MCF/D

OPEN FLOW $Q_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_{wf}^2} \right)^n$

$$Q_{of} = \left(\frac{743,044}{695,520} \right)^n \times 1.0683^{.85} \times 2540 = 1.0578 \times 2540$$

Asf 2687

MCF/D

By K. C. McBride

WITNESSED BY



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