

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 31, 1957

Operator El Paso Natural Gas Company		Lease Rincon Unit # 90	
Location 1051'S, 990'W, Sec. 2-26-7		County Rio Arriba	State New Mexico
Fracture Pictured Cliff		Pool South Blanco	
Casing Diameter 5 1/2	Set At: Feet 2865	Tubing Diameter 1 1/4	Set At: Feet 2787
Pay Zone: From 2775	To 2810	Total Depth: 2865 - c/o - 2820	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant 14.1605		
Shut-in Pressure, Casing, PSIG 790	PSIA 802	Days Shut-In 9	Shut-in Pressure, Tubing, PSIG 784
Flowing Pressure, Casing, PSIG 393	PSIA 405	Working Pressure, Pw, PSIG 405	PSIA 417
Temperature, T 42	.85	Fpv (From Tables) 1.044	Gravity .640

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4$

$$Q = 14.1605 \times 405 \times 1.0178 \times .9682 \times 1.044$$

5900

MCF/D

OPEN FLOW $Q_{OF} = Q \left(\frac{P_1 - P_w}{P_1 - P_2} \right)^n$

$$Q_{OF} = \left(\frac{643,204}{469,315} \right)^{.85} \times 5878 = 1.307 \times 5900$$

7711

MCF/D

K. C. McBride



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