

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 8, 1957

Operator: El Paso Natural Gas Company		Lease Rincon Unit # 95	
Location: 1650'S, 890'E, Sec. 12-26-7		County Rio Arriba	State New Mexico
Formation: Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5 1/2	Set At: Feet 2840	Tubing: Diameter 1 3/4	Set At: Feet 2787
Pay Zone: From 2750	To 2806	Total Depth: 2850 - c/o - 2816	
Stimulation Method: Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.75		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 853	- 12 = PSIA 865	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG 853
Flowing Pressure: P, PSIG 150	- 12 = PSIA 162	Working Pressure: Pw, PSIG 161	- 12 = PSIA 173
Temperature: T, F 67	Specific Gravity .85	Fov (From Tables) 1.016	Gravity .660

CHOKE VOLUME = Q C x P_i x F_v x F_g x F_{pv}

Q 14.1605 x 162 x .9933 x .9535 x 1.016 2207 MCF D

$$Q_{OF} = Q \left(\frac{P_i^2 - P_w^2}{P_c^2 - P_w^2} \right)^n$$

$$Q_{OF} = \left(\frac{748,225}{718,296} \right)^n (1.0416)^{.85} \times 2207 = 1.0352 \times 2207$$

Q_{OF} 2285 MCF D

K. C. McBride

WITNESSED BY

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By: Tom Grant

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