OPEN FLOW TEST DATA

DATE June 11, 1958

Operator: El Paso Natural Gas		Lease: Jicarilla 3-G	
Location: 990S, 990W, 24-26-5		County: Rio Arriba	State: New Mexico
Pool: Pictured Cliffs		Pool: Undesignated	
Casing Diameter: 5-1/2"	Set At Feet: 3192	Tubing Diameter: 1-1/4"	Set At Feet: 3138
Pay Zone From: 3112	To: 3152	Total Depth: 3200 c/o 3160	Shut-In 5/18/58
Stimulation Method: Sand Water Frac		Flow Through Casing: X	Flow Through Tubing

Choke Size, Inches: .75		Choke Constant: C 12.365					
Shut-In Pressure, Casing: 1062	PSIG + 12 = PSIA 1074	Days Shut-In 24	Shut-In Pressure, Tubing: 1061	PSIG + 12 = PSIA 1073			
Flowing Pressure: P 171	PSIG + 12 = PSIA 183		Working Pressure: P_w 180	PSIG + 12 = PSIA 192			
Temperature: T 61	T Factor: .850		Flow Rate Factor: 1.017	Gravity .650			

CHOKE VOLUME: Q = C x P_t x F_t x F_g x F_{pv}

Q = 12.365 (183)(.9990)(.9608)(1.017) = 2,209 MCF D

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

$\left(\frac{1153476}{1116612}\right)^n$ $(1.0330)^{.85}$ (2209) = (1.0280)(2209)

Aof = 2271 MCF D

Witnessed by: R. R. Davis

Calculated by: Virgil Stoabes, B.M.G.

Lewis D. Galloway

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