EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE December 23, 1958

Operator: El Paso Natural Gas		Lease: Jicarilla No. 9-B	
Location: 1540S, 1800W; 28-25-4		County: Rio Arriba	State: New Mexico
Formation: Pictured Cliffs		Pool: South Blanco P.C.	
Casing: 5-1/2	Set At: Feet 3268	Tubing: 1-1/4	Set At: Feet 3194
Pay Zone: From 3190	To 3210	Total Depth: 3280 c/o 3224	Shut in 12/8/58
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: PSIG 889 + 12 = PSIA 901	Days Shut-in 15	Shut-in Pressure, Tubing: PSIG 889 + 12 = PSIA 901	
Flowing Pressure: P PSIG 341 + 12 = PSIA 353		Working Pressure: Pw PSIG 362 + 12 = PSIA 374	
Temperature: T 60	F 1 .85	Fpv (From Tables) 1.044	Gravity .718

CHOKE VOLUME: Q = C x P_t x F_t x F_g x Fpv

Q = 12.365 x 353 x 1.000 x .9161 x 1.044 = 4175 MCF D

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

Aof $\left(\frac{811801}{671925} \right)^n$ = $1.2081^{.85}$ x 4175 = 1.1745 x 4175

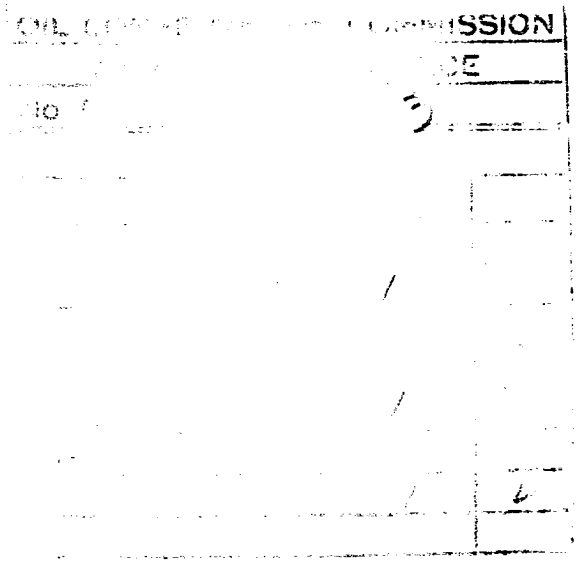
Aof = 4904 MCF D

WITNESSED: M. W. Rischard

APPROVED BY:

L. D. Galloway

L. D. Galloway by H.L.K.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