

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 4, 1962

Operator EL PASO NATURAL GAS COMPANY		Lease Rincon No. 153	
Location 890'N, 890'E, 28-27N-6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco P.C.	
Casing: Diameter 2 7/8	Set At: Feet 3239	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3143	To 3183	Total Depth 3243 C/O 3216	Shut In 11-15-61
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing 988	PSIG	+ 12 = PSIA	Days Shut-In 50	Shut-In Pressure, Tubing No Tubing	PSIG
Flowing Pressure: P 163	PSIG	+ 12 = PSIA		Working Pressure: Pw (CALC)	PSIG
Temperature: 59 °F				Fpv (From Tables) 1.016	Gravity .650
	Fv	1.0010	.85		Fg = .9608

CHOKE VOLUME $Q = C \times P_i \times F_v \times F_g \times F_{pv}$

$Q = (12.365)(175)(1.0010)(.9608)(1.016) = 2114 \text{ MCF/D}$

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

$Aof = \left(\frac{1,000,000}{950,271} \right)^n (2114)(1.0523)^{.85} = (2114)(1.0443)$

$Aof = 2208 \text{ MCF/D}$



TESTED BY Den Roberts

WITNESSED BY _____

Calculated by: W. D. Dawson

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