FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 24, 1963

Operator: El Paso Natural Gas Company		Lease: Lindrith No. 49	
Location: 1550'N, 1840'E, Sec. 9, T-24-N, R-3-W		County: Rio Arriba	State: New Mexico
Formation: Pictured Cliffs		Pool: South Blanco	
Casing: Diameter: 2.875	Set At: Feet: 3351	Tubing: Diameter: No Tubing	Set At: Feet: ----
Pay Zone: From: 3268	To: 3296	Total Depth: 3351	Shut In: 10-17-63
Stimulation Method: Sand/Water Frac.		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365	"TUBINGLESS COMPLETION"	
Shut-in Pressure, Casing, PSIG: 922	+ 12 = PSIA: 934	Days Shut-in: 7	Shut-in Pressure, Tubing PSIG: No Tubing	+ 12 = PSIA: ----
Flowing Pressure: P PSIG: 245	+ 12 = PSIA: 257		Working Pressure: P_w PSIG: Calc.	+ 12 = PSIA: 330
Temperature: T= 61 °F Ft= .9990	n = .85		Fpv (From Tables): 1.025	Gravity: .650 Fg = .9608

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = (12.365)(257)(.9990)(.9608)(1.025) = 3126$ MCF/D

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

Aof = $\left(\frac{872,356}{763,456} \right)^n = (3126)(1.1426)^{.85} = (3126)(1.1200)$

Aof = 3501 MCF/D

RECEIVED
OCT 29 1963
OIL CON. COM.
DIST. 3

TESTED BY Dan Roberts

Calculated by WITNESSED BY W. D. Dawson

H. L. Kendrick