

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 12, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #250	
Location 1550/N, 800/E, Sec. 1, T25N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7356'	Tubing: Diameter 1.990	Set At: Feet 7234'
Pay Zone: From 7082	To 7234	Total Depth: PBTJ 7358' 7343'	Shut In 9-2-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2425	+ 12 = PSIA 2437	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 2515	+ 12 = PSIA 2527	
Flowing Pressure: P PSIG 158	+ 12 = PSIA 170		Working Pressure: P _w PSIG 400	+ 12 = PSIA 412	
Temperature: T = 62 °F Ft = .9981	n = .75		Fpv (From Tables) 1.018	Gravity .690 Fg = .9325	

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

$$Q = 12.365(170)(.9981)(.9325)(1.018) = \underline{1992} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{6385729}{6215985} \right)^n = 1992(1.0273)^{.75} = 1992(1.0204)$$

$$Aof = \underline{2032} \text{ MCF/D}$$

Note: Medium mist of drip
throughout test.

TESTED BY C. P. Rhames

WITNESSED BY _____

Loren W. Fothergill
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Well Test Engineer