

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 22, 1975

Operator El Paso Natural Gas Company		Lease Turner Hughes #19 (PC)	
Location 1135/N, 1460/E, Sec. 3, T27N, R9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2489'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2340	To 2382	Total Depth: 2498	Shut In 1-9-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 334	+ 12 = PSIA 346	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 60	+ 12 = PSIA 72		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 87	
Temperature: T = 54 °F	n = Ft = 1.0058		Fpv (From Tables) 1.009	Gravity .650	Fg = .9608

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

$$Q = 12.365(72)(1.0058)(.9608)(1.009) = \underline{\quad 868 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{119716}{112147} \right)^n = 868(1.0675)^{.85} = 868(1.0675)^{.85}$$

$$Aof = \underline{\quad 918 \quad} \text{ MCF/D}$$

Note: Light spray of oil 3rd hour of test.

TESTED BY S. Sack

WITNESSED BY _____

H. E. McAnally
 Well Test Engineer

