

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 25, 1975

Operator El Paso Natural Gas Company		Lease Scott #10	
Location 800/S, 1000/W, Sec. 4, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undes	
Casing: Diameter 2.875	Set At: Feet 2957'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2765'	To 2828'	Total Depth: PBT 2957' 2946'	Shut In 9-18-75
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 862	+ 12 = PSIA 90	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 78	+ 12 = PSIA 90		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 112	
Temperature: T = 61 °F	n =		Fpv (From Tables) 1.007	Gravity .635	Fg = .9721
Ft = .9990	.85				

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

$$Q = 12.365(90)(.9990)(.9721)(1.007)$$

$$= \underline{1088} \text{ MCF/D}$$

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

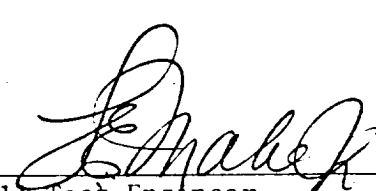
$$Aof = Q \left(\frac{763876}{751399} \right)^n = 1088(1.0166)^{.85} = 1088(1.0141)$$

$$Aof = \underline{1103} \text{ MCF/D}$$

Note: Well produced dry gas throughout test. Well vented 152 MCF during 3 hour test.

TESTED BY Don Norton

WITNESSED BY _____


Well Test Engineer
