

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 8/30/72

Operator El Paso Natural Gas Company		Lease Florence "D" #17	
Location 1190/S, 890/E, Sec. 17-T27N-R8W		County SJ	State NM
Formation Chacra		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3884	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3320	To 3836	Total Depth: 3884	Shut In 8/9/72
Stimulation Method STF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 995	+ 12 = PSIA 65	Days Shut-In 21	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 53	+ 12 = PSIA 65	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA		
Temperature: T = 61 °F	n = .75	F _{pv} (From Tables) 1.009	Gravity .650	F _g = .9608	

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

$$Q = 12.365 \times 65 \times .9990 \times .9608 \times 1.009 = \underline{778} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1014049}{1006824} \right)^n = (1.0071)^{.75} \times (778) = (1.0053) \times (778)$$

$$Aof = \underline{782} \text{ MCF/D}$$

NOTE: Well produced light mist of water and distillate.

TESTED BY Don Norton

WITNESSED BY _____

J. A. Jones
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Well Test Engineer

