

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 18, 1975

Operator El Paso Natural Gas Company		Lease Hubbell #15	
Location 2125/S, 1280/W Sec 17, T 29 N, R 10 W		County San Juan	State New Mexico
Formation Chacra		Pool Undes.	
Casing: Diameter 2.875	Set At: Feet 3282'	Tubing: Diameter No tubing	Set At: Feet ----
Pay Zone: From 3199	To 3228	Total Depth: PBD 3283' 3272	Shut In 6-10-75
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1061	+ 12 = PSIA 1073	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA ----	
Flowing Pressure: P PSIG 17	+ 12 = PSIA 29		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 37	
Temperature: T = 68 °F F _t = 9924	n = .75		F _{pv} (From Tables) 1.004	Gravity .655 F _g = .9571	

CHOKE VOLUME = Q = C × P_i × F_t × F_g × F_{pv}

$$Q = (12.365)(29)(.9924)(.9571)(1.004) = 342 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1151329}{1149960} \right)^n = 342 (1.0012)^{.75} = 342 (1.0009)$$

$$Aof = 342 \text{ MCF/D}$$

Note: This well blew a light fog of water throughout test. During the test 52.66 MCF of gas was vented to atmosphere.

TESTED BY Norton

WITNESSED BY _____

Larry W. Bink
Well Test Engineer

