

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 8-4-75

Operator El Paso Natural Gas Company		Lease Lloyd A #3 (CH)	
Location 1530/N, 1100/E, Sec 9 T 29 N, R 11 W		County San Juan	State New Mexico
Formation Chacra		Pool Undes.	
Casing: Diameter 2.875	Set At: Feet 3189'	Tubing: Diameter No tubing	Set At: Feet ----
Pay Zone: From 3057	To 3140	Total Depth: 3189'	PBTD 3179 Shut In 7-3-75
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, 1005	PSIG	+ 12 = PSIA 1017	Days Shut-In 32	Shut-In Pressure, Tubing No tubing	PSIG + 12 = PSIA -----
Flowing Pressure: P 35	PSIG	+ 12 = PSIA 47		Working Pressure: P <sub>w</sub> Calculated	PSIG + 12 = PSIA 59
Temperature: T = 61 °F	F <sub>t</sub> = .9990	n = .75		F <sub>pv</sub> (From Tables) 1.004	Gravity .650 F <sub>g</sub> = .9608

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

$$Q = 12.365 (47) (.9990) (.9608) (1.004) = 560 \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{1034289}{1030808} \right)^n = 560 (1.0034)^{.75} = 560 (1.0025)$$

$$Aof = 561 \text{ MCF/D}$$

Note: Well blew dry gas throughout test. During the test 81.05 MCF of gas was vented to atmosphere.

TESTED BY J. Goodwin

WITNESSED BY

*Ray W. Bink*  
Well Test Engineer

