

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **December 31, 1962**

Operator: El Paso Natural Gas Company		Lease: * San Juan Unit 30-6 No. 38 (OWWO)	
Location: 990'S, 990'W, Sec. 27-30-7		County: Rio Arriba	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 2.875	Set At: Feet: 6133	Tubing: Diameter: No Tubing	Set At: Feet: ----
Pay Zone: From: 5600	To: 6091	Total Depth: 6133	Shut In: 12-21-62
Stimulation Method: Sand/Water Frac.		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: .75		Choke Constant: C: 12.365		TUBINGLESS COMPLETION	
Shut-in Pressure, Casing: 875	PSIG: 12 PSIA	Days Shut-in: 10	Shut-in Pressure, Tubing: No Tubing	PSIG: 12 PSIA	----
Flowing Pressure: P: 167	PSIG: 12 PSIA		Working Pressure: P _w : Calculated	PSIG: 12 PSIA	255
Temperature: 67			F _{pv} (From Tables): 1.019	Gravity: .700	F _g : .9258
	F _t : .9933				

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

$$Q = (12.365)(179)(.9933)(.9258)(1.019)$$

2074

MCF/D

$$\text{GPA FLOW } Aof = Q \left(\frac{P_r^2}{P_w^2} \right)^n$$

$$Aof = \left(\frac{781,456}{716,431} \right)^n \quad (2074)(1.0907)^{.75} = (2074)(1.0673)$$

Aof

2214

MCF/D

NOTE:

* This well was formerly McElvain No. 1-X.
Blew fair mist.

TESTED BY **D. E. Mortensen**Calculated by **W. D. Dawson**Checked by **T. B. Grant, Jr.**

Lewis D. Galloway
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