

OCC

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 2/1/73

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #132	
Location 800/S, 1840/W, Sec. 32, T28N, R6W		County Rio Arriba	State NM
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7656	Tubing: Diameter 1.990	Set At: Feet 7603
Pay Zone: From 7445	To 7628	Total Depth: 7655	Shut In 1/16/73
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2604	+ 12 = PSIA 2616	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 2070	+ 12 = PSIA 2082	
Flowing Pressure: P PSIG 415	+ 12 = PSIA 427	Working Pressure: P _w PSIG 624	+ 12 = PSIA 636		
Temperature: T = 86 °F	F _t = .9759	n = .75	F _p (From Tables) 1.034	Gravity .645	F _g = .9645

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

$$Q = (12.365)(427)(.9759)(.9645)(1.034) = 5139 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{6843456}{6438960} \right)^n = 5139 (1.0628)^{.75} = 5139 (1.0468)$$

$$Aof = 5379 \text{ MCF/D}$$

NOTE: Blew some paraffin and oil.

TESTED BY Jesse Goodwin

WITNESSED BY _____

William D. Welch
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Well Test Engineer

