

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 30, 1975

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit #202 (CH)	
Location 1675/S, 1080/E, Sec. 8, T27N, R7W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Undesig	
Casing: Diameter 2.875	Set At: Feet 4387'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 4323	To 4328	Total Depth: 4387'	PBTD 4376' Shut In 7-15-75
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, 714	PSIG	+ 12 = PSIA 726	Days Shut-In 15	Shut-In Pressure, Tubing No Tubing	PSIG	+ 12 = PSIA --
Flowing Pressure: P 1	PSIG	+ 12 = PSIA 13		Working Pressure: P _w Calculated	PSIG	+ 12 = PSIA 17
Temperature: T= 62 °F	F _t = .9981	n = .75		F _p v (From Tables) 1.004		Gravity .655 F _g = .9571

CHOKE VOLUME = Q = C x P_f x F_t x F_g x F_pv

Q = 12.365(13)(.9981)(.9571)(1.004) = 154 MCF/D

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

Aof = Q $\left(\frac{527076}{526787} \right)^n = 154(1.0005)^{.75} = 154(1.0004)$

Aof = 154 MCF/D

Note: Well unloaded H2O for 30 min. Then blew dry gas rest of the test. The gas vented was 24 MCF.

TESTED BY Rhames

WITNESSED BY

[Signature]
Well Test Engineer

