

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 26, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 27-5 No. 74	
Location 890'S, 1650'E, Sec. 23-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Tapacito	
Casing Diameter 2-7/8	Set At: Feet 3433	Tubing Diameter No Tubing	Set At: Feet ----
Play Zone From 3322	To 3380	Total Depth: 3449	Shut In 6-19-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.75	Choke Constant: C 12.365	TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 1020	PSIG - 12 - PSIA 1032	Shut-In Pressure, Tubing, PSIG No Tubing	PSIG - 12 - PSIA ----
Flowing Pressure, P, PSIG 155	PSIG - 12 - PSIA 167	Working Pressure: Pw Calc.	PSIG - 12 - PSIA 214
Temperature 64	.9962	Fpv (From Tables) 1.015	Gravity .645
	.85		Fg .9645

$$CHOKED VOLUME Q = C \times P_c \times F_c \times F_g \times F_{pv}$$

$$Q = (12.365)(167)(.9962)(.9645)(1.015)$$

2014

MCF/D

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

$$Act = \left(\frac{1,065,024}{1,019,228} \right)^n$$

$$(1.0449)^{.85}(2014) = (1.0381)(2014)$$

Act

2091

MCF/D

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