

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. 75	
Location 790'S, 890'W, Sec. 23-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Tapacito	
Casing Diameter 2-7/8	Set At: Feet 3402	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3313	To 3337	Total Depth: 3409	Shut In 6-14-62
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 1063	PSIG + 12 PSIA 1075	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG + 12 PSIA ----
Flowing Pressure, P, PSIG 278	PSIG + 12 PSIA 290	Working Pressure: Pw Calc.	PSIG + 12 PSIA 374
Temperature, T 64	Fg .9962	Fpv (From Tables) 1.027	Gravity .645
			Fg .9645

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

$$Q = (12.365)(290)(.9962)(.9645)(1.027)$$

3538

MCF/D

$$Q = C \left(\frac{P_r^2 - P_w^2}{P_c^2 - P_w^2} \right)^n$$

$$Q = \left(\frac{1,155,625}{1,015,749} \right)^n (1.1377)^{.85} (3538) = (1.1159)(3538)$$

Act 3948

MCF/D

H. E. McAnally

Checked by:

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