

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE March 8, 1957

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-6 # 69	
Location 990'S, 810'W, Sec. 24-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing Diameter 5$\frac{1}{2}$	Set At: Feet 5677	Tubing Diameter 1$\frac{1}{4}$	Set At: Feet 3311
Pay Zone: From 3283	To 3336	Total Depth 5675 - c/o - 5600. Packer at 3425	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.75		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1036	12" PSIA 1048	Days Shut-In 31	Shut-In Pressure, Tubing, PSIG 1036
Flowing Pressure, P, PSIG 154	12" PSIA 166		Working Pressure, P _w , PSIG 158
Temperature, T, F 60			Gravity .660
			Eqv. Fract. Length 1.016

SIPT (Mesa Verde) - 1077 psig

CHOKE VOLUME: $Q = C \times P_1 \times F_1 \times F_g \times F_P$

$$Q = 14.1605 \times 166 \times 1.0 \times .9535 \times 1.016$$

2277

MCF/D

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

$$A_{of} = \left(\frac{1,098,304}{1,069,404} \right)^n (1.0270)^{.85} \times 2277 = 1.0229 \times 2277$$

A_{of} 2329 MCF/DTESTED BY: R. A. Ullrich

ACTIVATED BY: _____

cc: E. J. Coel, Jr. (6)

L. D. Galloway
L. D. Galloway

