

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 9, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 68	
Location 1814'S, 790'W, Sec.13-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Bianco	
Casing: Diameter 7-5/8	Set At: Feet 3245	Tubing: Diameter 2"	Set At: Feet 5069
Pay Zone: From 4688	To 5354	Total Depth: 5484 - c/o 5400	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 12.365		5-1/2" liner - 3203-5483	
Shut-In Pressure, Casing, PC 1122	PSIG	- 12 = PSIA 1134	Days Shut-In 32	Shut-In Pressure, Tubing MV 1104
PSIG				PSIG
Flowing Pressure: P 351	PSIG	- 12 = PSIA 363	Working Pressure: P _w Calculated	PSIG
Temperature: T 68	°F	n = 0.75	F _{pv} (From Tables) 1.040	Gravity 0.685

Initial SIPC (PC) 1122 psig - Final - 1125 psig; 1-1/4" at 3100; Packer at 3278 - Sleeve at 3184

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

$Q = 12.365 \times 363 \times .9924 \times .9359 \times 1.040 = 4336$ MCF/D

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

$Acf = \left(\frac{1,245,456}{744,192} \right)^n = 1.6735^{.75} \times 4336 = 1.471 \times 4336$

Acf = 6378 MCF/D

TESTED BY S. V. Roberts

WITNESSED BY cc: E. S. Oberly (6)



L. D. Galloway
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