

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 31, 1960

Operator La Plata Gathering System		Lease San Juan 32-5 No. 1-31 (DK)	
Location 990'N, 713'E, 713'W, Sec. 31-32-5		County Rio Arriba	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5-1/2"	Set At: Feet 8355	Tubing: Diameter 2-1/16" Hydril	Set At: Feet 8070
Pay Zone: From 8184	To 8300	Total Depth: 8369	Shut In 10-13-60
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing: (MV) 1116	PSIG - 12 PSIA 1128	Days Shut-In 18	Shut-In Pressure, Tubing (DK) 2311
Flowing Pressure: P (DK) 60	PSIG - 12 PSIA 72	Working Pressure: P _w Calc.	PSIG - 12 PSIA 2323
Temperature: T 60 °F	F _i 1.0000	F _{pv} (From Tables) 1.006	Gravity .585 F _g 1.012

Initial SIPT (MV) = 859 psig
Final SIPC (MV) = 1116 psig

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

$$Q = (12.365)(72)(1.0000)(1.012)(1.006)$$

906

MCF/D

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

$$\left(\frac{5,396,329}{5,349,240} \right)^n$$

$$(1.0088)^{.78} (906) = (1.0066)(906)$$

912

MCF/D

W. D. Dawson (EPNG)

Virgil Stoabs (RMG)

Checked by T. B. [Signature]

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