

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 30, 1957

Operator El Paso Natural Gas Company		Lease San Juan 27-5 # 26	
Location 990'N, 1530'E, Sec. 17-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7 5/8	Set At: Feet 3525	Tubing: Diameter 2"	Set At: Feet 5652
Pay Zone: From 5022	To 5670	Total Depth: 5695 - c/o - 5680	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750		Choke Constant: C 12.365		5 1/2" liner - 3445 to 5690	
Shut-In Pressure, Casing, P.C. - 1064	PSIG - 12 = PSIA 1076	Days Shut-In 20	Shut-In Pressure, Tubing 1100	PSIG - 12 = PSIA 1112	
Flowing Pressure: P 260	PSIG - 12 = PSIA 272		Working Pressure: P _w Calculated	PSIG - 12 = PSIA 544	
Temperature: T 70	F		F _{pv} (From Tables) 1.028	Gravity .680	

Ending Pictured Cliffs SIPC 1066 psig

CHOKE VOLUME: $Q = C \times P_r \times F_p \times F_g \times F_{ov}$ $Q = 12.365 \times 272 \times .9905 \times .9393 \times 1.028$ 3217 MCF/D

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

$$A_{of} = \left(\frac{1,236,544}{940,608} \right)^{.75} (1.3146)^{.75} (3217) = (1.2278) (3217)$$

Aof 3950 MCF/DTESTED BY K. C. McBride

WITNESSED BY _____

cc: E. J. Coal (6)



L. D. Galloway
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