

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 5, 1957

Operator El Paso Natural Gas Company		Lease Johnston No. 5	
Location 890'S, 1600'W, Sec. 9-28-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7 5/8	Set At: Feet 3047	Tubing: Diameter 2"	Set At: Feet 5283
Pay Zone: From 4982	To 5339	Total Depth: 5450 - c/o 5411	
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 at 5439	
Shut-In Pressure, Casing, PSIG 1013	- 12 = PSIA	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 1014	- 12 = PSIA	1026
Flowing Pressure: P, PSIG 185	- 12 = PSIA		Working Pressure: Pw, PSIG 488	- 12 = PSIA	500
Temperature: T, F 72			Fpv (From Tables) 1.022	Gravity .710	

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

$Q = 12.365 \times 197 \times .9887 \times .9193 \times 1.022$ 2263 MCF/D

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

$Aof = \left(\frac{1,052,676}{802,676} \right)^{.75} \times 2263 = 1.2255 \times 2263$

Aof 2773 MCF/D

TESTED BY K. C. McBride

WITNESSED BY



L. D. Galloway
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