

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 19, 1961

Operator El Paso Natural Gas Products Company		Lease Western Pool Unit No. 2-B	
Location 890'S, 1750'W Sec. 8-26N-11W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 5-1/2	Set At Feet 6277	Tubing Diameter 2-3/8	Set At Feet 6110
Pay Zone Feet 6080	To 6120	Total Depth 6278 c/o 6231	Shut In 5-21-61
Stimulation Method Sand/Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 12.365	Blw heavy spray of condensate throughout test.	
Shut-In Pressure, Casing, PSIG 1927	PSIA 1939	Days Shut-In 29	Shut-In Pressure, Tubing, PSIG 1934
Flowing Pressure, P, PSIG 483	PSIA 495		Working Pressure, Pw, PSIG 1037
Temperature 92	F _g .9706		F _{pv} (From Tables) 1.046
			Gravity, F _g 0.681
			.9393

CHOKE VOLUME $Q = C \times P_1 \times F_g \times F_{pv}$

$$Q = (12.365)(495)(.9706)(.9393)(1.046)$$

5837

MCF/D

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

$$Aof = \left(\frac{3786916}{2686515} \right)^n (1.4096)^{.75} (5837) = (1.2938)(5837)$$

Aof 7552

MCF/D

By **R. F. Headrick**

Witnessed by

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