

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **May 22, 1961**

Operator El Paso Natural Gas Products Co.		Lease Western Pool Unit No. 1-C	
Location 990'N, 990'E, Sec. 20-26N-11W		County San Juan	State New Mexico
Formation Dakota		Basin	
Casing Diameter 5-1/2" O.D.	Set At: Feet 6235	Tubing: Diameter 2-3/8" O.D.	Set At: Feet 6041
Pay Zone: From 6006	To 6042	Total Depth 6200 c/o 6072	Shut In 5-15-61
Stimulation Method Sand/Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750"		Choke Constant: C 12.365		Blew Heavy Spray of Condensate during entire Test.	
Shut-in Pressure, Casing, PSIG 1907	12 - PSIA	Days Shut-In 7	Shut-in Pressure, Tubing, PSIG 1816	12 - PSIA	1828
Flowing Pressure: P, PSIG 636	12 - PSIA	648	Working Pressure: Pw, PSIG 1438	12 - PSIA	1450
Temperature, °F 82	F _r .9795	0.75	Fpv (From Tables) 1.065	Gravity 0.681	Fg .9393

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

$$Q = (12.365)(648)(.9795)(.9393)(1.065)$$

7851

MCF/D

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

$$Aof \left(\frac{3,682,561}{1,580,061} \right)^n (2.3306)^{.78} (7851) = (1.8892)(7851)$$

Aof **14,832** MCF/D



PREPARED BY **R. L. Nickell, Jr.**

WITNESSED BY

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