

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 5, 1961

Operator El Paso Natural Gas Company		Lease Florance "C" No. 10	
Location 2172'N, 330'E, Sec. 30-28N-8W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4-1/2" O.D.	Set At Feet 6837	Tubing Diameter 2-3/8" O.D.	Set At Feet 6752
Flow Zone 6616	To 6754	Total Depth 6840 c/o 6780	Shut In 7-26-61
Stratigraphic Interval Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size (inches) 0.750	Choke Constant (C) 12.365	Days Shut-In 10	Shut-In Pressure, Tubing 1323	PSIG - 12 - PSIA 1335
Shut-In Pressure, Casing 1964	PSIG - 12 - PSIA 1976	Working Pressure, Pw 582	PSIG - 12 - PSIA 594	
Flowing Pressure, P 111	PSIG - 12 - PSIA 123	Flow Through Casing	Flow Through Tubing	
Temperature 71	Gravity 0.680	Flow Through Casing	Flow Through Tubing	
Flow Through Casing .9896	Flow Through Tubing .750	Flow Through Casing	Flow Through Tubing	
Flow Through Casing 1.012	Flow Through Tubing 0.680	Flow Through Casing	Flow Through Tubing	
Flow Through Casing 0.680	Flow Through Tubing .9393	Flow Through Casing	Flow Through Tubing	

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

$$Q = (12.365)(123)(.9896)(.9393)(1.012)$$

1431

MCF/D

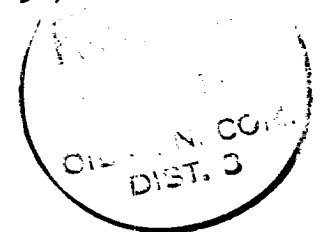
$$\text{OPEN FLOW} = Q \left(\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right)^n$$

$$Q = \left(\frac{3,904,576}{3,551,740} \right)^n$$

$$(1.0993)^{.75}(1431) = (1.0744)(1431)$$

1537

MCF/D



Jesse B. Goodwin

NOTE: Blew heavy fog of water entire test

Checked by: W. D. Dawson

Lewis D. Galloway
L. D. Galloway