

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 9, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 29-6 No. 71	
Location 850'N, 1840'E, Sec. 17-29-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7	Set At: Feet 3905	Tubing: Diameter 2.375	Set At: Feet 5914
Pay Zone: From 5466	To 5892	Total Depth: 5987 C/O 5947	Shut In 9-17-62
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365		L 1/2" Liner 2811 to 5982	
Shut-In Pressure, Casing, 1031	PSIG - 12 - PSIA 1043	Days Shut-In 22	Shut-In Pressure, Tubing 1029	PSIG - 12 - PSIA 1041	
Flowing Pressure: P 383	PSIG - 12 - PSIA 395		Working Pressure: Pw 878	PSIG - 12 - PSIA 890	
Temperature: T 69 F	F .9915		Fpv (From Tables) 1.038	Gravity 650	Fg .9608

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

$$Q = (12.365)(395)(.9915)(.9608)(1.038)$$

4830

MCF D

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

$$A_{of} = \left(\frac{1,087,849}{295,749} \right)^n (4830)(3.6782)^{.75} = (4830)(2.6580)$$

NOTE:

L min. after well was opened it unloaded water and distillate, then blew heavy spray of water and distillate throughout remainder of test.

Aof 12,838

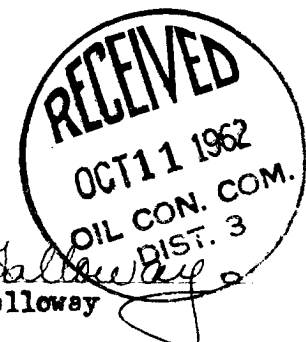
MCF D

TESTED BY Dannie R. Roberts

WITNESSED BY

Calculated by W. D. Dawson

Checked by Tom B. Grant



Lewis D. Galloway
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