

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 16, 1959

Operator El Paso Natural Gas Company		Lease Vaughn No. 4 (C)	
Locat 1306S, 2000E; 29-26-6		County Rio Arriba	State New Mexico
Format Chacra		Pool Undesignated	
Gas Lift: Diameter 7	Set At: Feet 3630	Tubing: Diameter 2	Set At: Feet 3535
Pay Zone: From 3468	To 3578	Total Depth 3646 c/o 3590	Shut In: 10/27/59
Completion Method Sand Water Frac.		Flow Through: casing	Flow Through: Tubing X

Choke: 26, 100 lbs .75	Choke Constant 12.365	Shut-in Pressure: Gas 788 (PC)	PSIG 800	Shut-in Pressure: Oil 890 (Ch)	PSIG 902
Flowing Pressure: F 127 (Ch)	PSIA 139	Working Pressure: F Calc.	PSIA 239	Flowing Pressure: F 127 (Ch)	PSIA 139
Temperature: T 61	.75	Spv From: Tables 1.012	Gravity .642	Temperature: T 61	.75

Initial SIPT (PC) = 789 psig
Final SIPC (PC) = 790 psig

Baker Pkr at 3348

CHOKED FLOW: $Q = C \times P_1 \times P_2 \times P_3 \times P_4 \times P_5$

$$C = 12.365 \times 139 \times .9990 \times .9682 \times 1.012$$

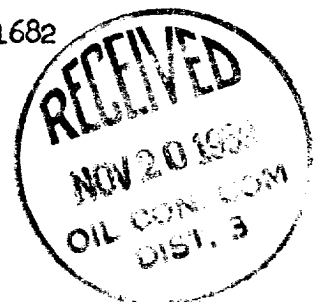
1682 MCF/D

OPEN FLOW: $A = \left(\frac{P_1 - P_2}{P_1 - P_3} \right)^n$

Act: $\left(\frac{813604}{756483} \right)^n$

$$1.0755^{.75} \times 1682 = 1.0561 \times 1682$$

Aof 1776 MCF/D



TESTED BY W. D. Dawson

WITNESSED BY

Lewis D. Galloway
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