

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 22, 1962

Operator El Paso Natural Gas Company		Lease Ludwick No. 13 (MV) (OWWO)	
Location 1750'N, 1720'E, Sec. 5-29-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5-1/2	Set At: Feet 4894	Tubing: Diameter 2-1/16	Set At: Feet 4569
Ray Jones: From 4292	To 4505	Total Depth 4894	Shut In 8-11-62
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365	Shut-In Pressure, Casing, PSIG - 12 PSIA 514 (PC)	Days Shut-In 11	Shut-In Pressure, Tubing, PSIG - 12 PSIA 726 (MV)	Working Pressure: P _w , PSIG - 12 PSIA Calc.	Gravity .650	F _g .9608
Working Pressure: P _i , PSIG - 12 PSIA 143	Temperature 65	Flow Constant: C .9952	Flow Constant: C .75	Flow Constant: C 1.014	Flow Constant: C .650	Flow Constant: C .9608	Flow Constant: C .9608

Initial SIPT(PC) = 516 psig

Final SIPC(PC) = 515 psig

Q = C × P_i × F_i × F_g × F_v

Q = (12.365)(155)(.9952)(.9608)(1.014)

1858

MCF/D

$$Q = \left(\frac{P_i^2 - P_w^2}{P_i^2 - P_w^2} \right)^n$$

$$Q = \left(\frac{544,644}{404,019} \right)^n (1.3480) \cdot 75 (1858) = (1.2505)(1858)$$

Q = 2323

MCF/D

T. C. Grant

Checked by: H. E. McAnally



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