

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 22, 1959

Operator El Paso Natural Gas		Lease San Juan 30-6 No. 31 (M)	
Location 7908, 1850W; 33-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 9-5/8	Set At Feet 3476	Tubing Diameter 1-1/4	Set At Feet 5572
Pay Zone Feet 5149	To 5611	Total Depth 7872 c/o 7799	Shut In: 7/2/59
Stimulation Method Water Frac.		Flow Test by X	

Choke Size, Inches .75	Choke Constant, C 12.365	7" liner 3402-7440, 5" 7362-7870	
Shut-In Pressure, Gas 1019 (MV)	PSIG 1031	Shut-In Pressure, Oil 1011 (MV)	PSIG 1023
Flowing Pressure, P 452	PSIG 464	Working Pressure, P _w 515	PSIG 527
Temperature, T 81	F .75	Exp. Flow Coefficient 1.040	Grav. Sp. .648

Initial SIPT (Dak) = 2444 psig
Final SIPT (Dak) = 2464 psig

Packer at 7275

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{rv}$

$Q = 12.365 \times 452 \times .9804 \times .9645 \times 1.040$ 5496 MCF/D

OPEN FLOW $Q_{of} = Q \left(\frac{P_1 - P_a}{P_1 - P_w} \right)^n$

$Q_{of} = \left(\frac{1062961}{785232} \right)^{.75} \times 5496 = 1.2550 \times 5496$

$Q_{of} = 6897$ MCF/D

TESTED BY S. V. Roberts

WITNESSED BY Mr. Fred Cook, N.M.O.C.C.



Lewis D. Galloway
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