

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 28, 1958

Operator El Paso Natural Gas		Lease Rincon No. 115 (M)	
Location 9908, 1190W; 21-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Depth 7-5/8	Set At: Feet 3414	Tubing: Diameter 2"	Set At: Feet 5467
Perf. Zone: From 5360	To 5552	Total Depth 5605 c/o 5553	Shut-in 8/20/58
Completion Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 3373 - 5605	
Shut-In Pressure, P _{sh} , PSIG 843 (PC)	PSIA 855	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 964 (MV)
Flowing Pressure, P _w , PSIG 184	PSIA 196		Working Pressure, P _w , PSIG Calc. 387
Temperature, T, °F 64			Gravity .705
	.75	1.022	

Initial SIPT (PC) = 843 psig

Final SIPC (PC) = 848 psig

Packer at 3279

1-1/4 at 3212

CHOKED VOLUME, Q = C × P_{sh} × P_w × F_g × F_{pv}

Q = 12.365 × 196 × 9962 × 9225 × 1.022

2276

MCF/D

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

$$\left(\frac{952576}{802807} \right)^n$$

$$(1.1865)^{.75} \times 2276 = 1.1368 \times 2276$$

2587

MCF/D

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Checked By M. W. Rischard

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