

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 17, 1958

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit 34 (M)	
Location 990S, 990W; 30-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blance	
Casing Diameter 7-5/8	Set At Feet 3242	Tubing Diameter 2"	Set At Feet 5354
Pay Zone 4780	5364	Total Depth 5447 c/o 5393	Shut-in 6/7/58
Gravel Pack Sand Water Frac		Flow Through Tubing X	

Choke Size, Inch .75	Choke Constant, C 12.365	5-1/2 liner 3921 - 5429
Shut-in Pressure, PSIG 877 (PC)	Shut-in Pressure, PSIA 889	Shut-in Pressure, PSIA 1018 (MV)
Flowing Pressure, PSIG 333	Flowing Pressure, PSIA 345	Working Pressure, PSIA 682
Temperature, F 71	Temperature, F .75	Calc. 1.034
		Flowing Pressure, PSIA .679

Final SIPC (PC) 882 PSIG

Packer at 3250
1-1/4" at 3139

CHOKER VOLUME $Q = C \times P_1 \times \dots \times P_n \times F_{av}$

$$Q = (12.365)(345)(.9896)(.9427)(1.034)$$

4,115

MCF/D

$$OPEN FLOW Act Q = \left(\frac{P_1^2 - P_2^2}{P_c^2 - P_w^2} \right)^n$$

REMARKS: Making some distillate

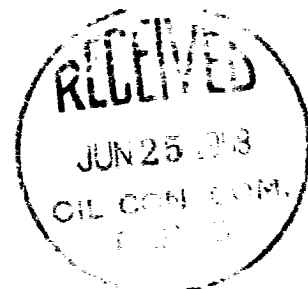
$$Act Q = \left(\frac{1,060,900}{596,105} \right)^n$$

$$(1.7797)^{.75} (4115) = (1.5415)(4115)$$

$$Act Q = 6,343 \text{ MCF/D}$$

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