

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 9908, 990W; 30-27-5	County Rio Arriba State New Mexico
Formation Mesa Verde	Depth Blanco
Casing Diameter 7-5/8	Tubing 2"
Perforation Depth 4780	Total Depth 5447 c/o 5393
Perforation Interval Sand Water Frac	Flow Through Tubing Shut-in 6/7/58
	X

Drill Pipe Size, In. .75	Drill Pipe Weight, Lbs./Ft. 12.365	5-1/2 liner 3221 - 5429
Drill Pipe Connections 877 (PC)	Drill Pipe Weight, Lbs. 889	Drill Pipe Connections 1018 (MV)
Flowing Pressure, PSIG 333	Flowing Pressure, PSIG 345	Working Pressure, PSIG Calc. 682
Leak-off Pressure, PSIG 71	Leak-off Pressure, PSIG .75	Flow From Tubing 1.034
		Gravity .679

Final SIPC (PC) 882 PSIG

Packer at 3250

1-1/4" at 3139

CHUCK VOLUME = $C \times P \times L \times F \times E$

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

4,115

MCF/D

OPEN FLOW = $Q \left(\frac{1}{1 - \frac{P_{wf}}{P_i}} \right)^n$

REMARKS: Making some distillate

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

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

6,343

MCF/D

S. V. Roberts

Fred Cook, N;M.O.C.C.

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