

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 8, 1960

Operator El Paso Natural Gas Company	Lease Canyon Largo Unit No. 89 (D)
Location 10908, 1090W; 17-24N-6W	County RioArriba State New Mexico
Formation Dakota	Pool Wildcat Dakota
Casing Diameter 5-1/2 Set At Feet 6654	Tubing Diameter 2-3/8" O.D. Set At Feet 6332
Pay Zone From 6288 To 6458	Total Depth 6664 c/o 6589 Shut In 5/20/60
Stimulation Method Sand Oil Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 5603-6654
Shut-In Pressure, Casing (G) 1574	PSIG ± 12 PSIA 1586	Days Shut-In 39
Flowing Pressure, P 117	PSIG ± 12 PSIA 129	Shut-In Pressure, Tubing (D) 2082
Temperature 66 F	.9943	Working Pressure, Pw Calc. 265
	.75	Flow From Tables 1.014
		Gravity .700 Fg .9258

Initial SIPT (G) = 1574 psig
Final SIPT (G) = 1583 psig

Packer set at 5574'

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

$$Q = 12.365 \times 129 \times .9943 \times .9258 \times 1.014$$

1489

MCF D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{4384836}{4314611} \right)^n$$

$$1.0162^{.75} \times 1489 = 1.0121 \times 1489$$

A_{of}

1498

MCF D

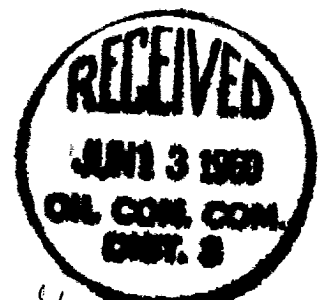
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