

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 11, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 29-6 No. 39
Location 990'N, 1650'E, Sec. 23-29-6	County Rio Arriba
Formation Mesa Verde	State New Mexico
Tubing Diameter 7.625	Pool Blanco
Set At Feet 3538	Tubing Diameter 1.660
Flow Through Tubing 5148	Set At Feet 5632
Flow Through Casing Sand/Water Frac.	Total Depth 5691
	Shot In 11-23-62
	Flow Through Tubing X

Flow Rate, gpm .75	Stroke, in./stroke 12.365	5.500" Liner at 3396 to 5686
Shut-in Pressure, PSIG 1072	PSIG 12 PSIA 1084	Days shut in 18
Working Pressure, PSIG 191	PSIG 12 PSIA 203	Shut-in Pressure, Tubing 297
Temperature 61	Flow Rate .9990	Working Pressure, Flow Calc.
		PSIG 12 PSIA 205
		Flow Rate 1.022
		Gravity .680
		Fg .9393

$$Q = C \times P_1 \times F_1 \times F_g \times F_v$$

$$Q = (12.365)(203)(.9990)(.9393)(1.022)$$

2407

MCF D

$$Q = \left(\frac{P_1 - P_2}{P_1} \right)^n$$

$$Q = \left(\frac{1,175,056}{1,133,031} \right)^n$$

$$(1.0370)^{.75}(2407) = (1.0276)(2407)$$

2473

MCF D



NOTE: Measured tubing pressures are not representative due to liquid accumulation in the wellbore, therefore, the working pressure was calculated. Made very light spray of water and distillate throughout the test.

Dannie Roberts

Calculated by ~~XXXXXXXXXX~~

T. B. Grant

Checked by W. D. Dawson

Lewis D. Galloway
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