

NATURAL GAS SECTION OPEN FLOW TEST DATA

DATE June 13, 1958

Operator El Paso Natural Gas		Lease San Juan 32-9 Unit 63	
Location 1756N, 1645E, 36-32-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8"	Set At Feet 3641	Tubing Diameter 2"	Set At Feet 5894
Flow Meter F.S.N. 5556	Test 5932	Total Depth 6034	Shut-In 5/19/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Flow Line Size, inches .75	Flow Line Constant C 12.365	5-1/2" liner 3606 - 6034
Shut-In Pressure, Casing, PSIG 1080	PSIG 12 - PSIA 1092	Shut-In Pressure, Tubing, PSIG 12 - PSIA 1085
Flowing Pressure, PSIG 273	PSIG 12 - PSIA 285	Working Pressure, PSIG 12 - PSIA 679
Temperature, F 78	.75	Flow From Tubing Gravity 1.022
		.621

CHOKER VOLUME $Q = C \times P_s \times R_s \times F_g \times F_{pv}$

$$C = 12.365 \times 285 \times .9831 \times .9837 \times 1.022$$

3483 MCF/D

OPEN FLOW Act $Q = \left(\frac{P_s^2 - P_a^2}{P_a} \right)^n$

Act $Q = \left(\frac{1203409}{725928} \right)^n$

$$1.658^{.75} \times 3483 = 1.461 \times 3483 =$$

Act $Q = 5088$

F. M. Clark

Checked By M. W. Rischard

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