

EL PASO NAT. GAS CO. - RIO
OPEN FLOW TEST DATA

DATE October 19, 1956

Operator El Paso Natural Gas Company		Lease Johnston State # 2	
Location 990'N, 1650'E, Sec. 36-26-6		County Rio Arriba	State New Mexico
Form Pictured Cliff		Pool South Blanco	
Casing, Diameter 5 1/2	Set At Feet 2900	Tubing, Diameter None	Set At Feet
Pay Zone, From 2860	To 2870	Total Depth 2900 - c/o - 2880	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Casing Size, Inches 0.750		Casing Capacity 14.1605	
Shut-In Pressure, Well 993	PSIG	12 - PSIA 1005	Phys. Shut-In 8
Flowing Pressure, P 104	PSIG	12 - PSIA 116	
Temperature, T 62			
		Shut-In Pressure, Tubing 993	PSIG
		Working Pressure, P Calculated	PSIG
		Flow From Tubing .670 est.	Grav.
			1005
			116

CHOKED VOLUME $Q = C \times R \times E \times F_g \times F_{pv}$

$$Q = 14.1605 \times 116 \times .9981 \times .9463 \times 1.011$$

1569

MCF/D

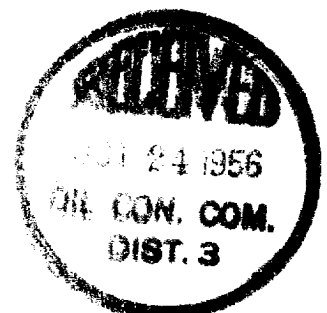
OPEN FLOW $Q = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$

Flow $Q = \left(\frac{1,010,025}{996,569} \right)^n$

$$1569 (1.0135)^{.85} = 1569 \times 1.01148$$

1587

D. C. Adams



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