

AMERICAN NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE March 25, 1958

Operator Benson-Montin-Greer		Lense Hill No. 2	
Location 1500S, 990W; 22-25-3		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5-1/2	Set At Feet 3868	Tubing Diameter 1-1/4"	Set At Feet 3776
Perforation Depth 3756	3809	Total Depth 3869 c/o 3829	shut-in 3-17-58
Stimulation Method Sand Water Frac		Flow Through Casing X	
		Flow Through Tubing	

Choke Size, Inches .750	Choke Constant, C 12.365	Shut-In Pressure, Tubing 1020	PSIG	PSIA	Days Shut-In 8	Shut-In Pressure, Tubing 1020	PSIG	PSIA	1032
Flowing Pressure, P 48	PSIG	PSIA	60	Working Pressure, Pw 52	PSIG	PSIA	64	Flowing Pressure, P 56	PSIG
Temperature, T .850		Flowing Pressure, P 1.004		Flowing Pressure, P .710					

CHOKE VOLUME $Q = C \times E_1 \times E_2 \times E_3 \times E_4$

$Q = 12.365 (60) (1.0039) (.9193) (1.004)$

687 MCF/D

$$\text{OPEN FLOW } Q = \left(\frac{p_1 - p_2}{p_1 - p_2} \right)^n$$

$$\left(\frac{1065024}{1066928} \right)^n$$

$$(1.0038)^{.85} (687) = (1.0032) (687)$$

689 MCF/D

R. R. Davis

Virgil Stoabs BMG
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