

BENSON MONTIN GAS COMPANY
OPEN FLOW TEST DATA

DATE October 18, 1956

Operator Benson-Montin		Lease Graham # 1	
Location 860'N, 1100'E, Sec. 24-25-8		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Wildcat	
Casing Diameter 5 1/2	Set At Feet 2296	Tubing Diameter 1	Set At Feet 2241
Pay Zone Feet 2172	2298	Total Depth 2298	
Stimulation Treatment Sand Water		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.750	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 654	PSIA 666	Dry Shut-In 12	Shut-In Pressure, Tubing, PSIG 655
Flowing Pressure, P, PSIG 368	PSIA 380		Working Pressure, Pw, PSIG 378
Temperature, T 70	.85		Flow From Tubing, Gravity 660
			Flow From Tubing, Gravity 1.036

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{av}$

$$Q = 14.1605 \times 380 \times .9905 \times .9535 \times 1.036$$

5265

MCF/D

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

$$\left(\frac{144,889}{292,789} \right)^n$$

$$1.5194^{.85} \times 5265 = 1.4263 \times 5265$$

7509

MCF/D

Tom Grant

Virgil Stoabs, Benson-Montin-Greer

cc: Benson-Montin-Greer

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