

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE May 23, 1958

Operator El Paso Natural Gas		Lease Jicarilla 6-E	
Location 694S, 800E, 20-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco Pictured Cliffs	
Casing Diameter 5-1/2"	Set At: Feet 3447	Tubing Diameter 2	Set At: Feet 3355
Pay Zone: From 3322	To 3358	Total Depth 3448 c/o 3400	Shut-in 4-26-58
Stimulation Method Sand Water Frac		Flow Through Casing X	

Choke Size, Inches .75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 988	PSIG - 12 = PSIA 1000	Days Shut-In 27	Shut-In Pressure, Tubing, PSIG 988
Flowing Pressure, PSIG 502	PSIG - 12 = PSIA 514		Working Pressure: Pw, PSIG 846
Temperature, F 63			Gravity .689
		Fpv (From Tables) 1.060	

$$\text{CHOKE VOLUME} = Q \cdot C \cdot P \cdot F \cdot F_g \cdot F_{pv}$$

$$C \quad 12.365 \times 514 \times .9971 \times .9359 \times 1.060 = 6,286 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,000,000}{263,336} \right)^n = (3.7902)^{.85} \times 6,286 = 3.1036 \times 6286 =$$

$$Aof \quad 19509 \text{ MCF/D}$$

TESTED BY Jess GoodwinWATCHDOG BY Virgil StoabsChecked By H. L. Kendrick

cc: Benson-Montin-Greer

Lewis D. Galloway
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