

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE June 25, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit No. 75	
Location 1850'S, 890'W, Sec. 15-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7 5/8	Set At: Feet 3055	Tubing: Diameter 2"	Set At: Feet 5165
Pay Zone: From 4506	To 5200	Total Depth 5260 - c/o 5220.	Packer at 3124
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, Inches .750		Choke Constant: C 12.365		5 1/2" liner at 5258	
Shut-In Pressure, Casing, PSIG P.C. 996	PSIA 1008	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 984	PSIA 996	
Flowing Pressure: P, PSIG 253	PSIA 265		Working Pressure: P _w , PSIG Calculated	PSIA 511	
Temperature: T, °F 77			Fpv (From Tables) 1.025	Gravity .670	

Ending Pictured Cliffs SIPC - 1002 psig

CHOKE VOLUME = $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 265 \times .9840 \times .9463 \times 1.025 = 3127 \text{ MCF/D}$$

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

$$Aof = \left(\frac{992,016}{730,895} \right)^n \times 1.3572^{.75} \times 3127 = 1.2575 \times 3127$$

$$Aof = 3932 \text{ MCF/D}$$

Made heavy fog of distillate during 3 hour test.

TESTED BY K. C. McBrideWITNESSED BY Fred Cook, New Mexico Oil Conservation Commission

cc: E. J. Coel, Jr. (6)

L. D. Galloway
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