

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETIONDATE February 5, 1958

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit No. 94 (M)	
Location 800'S, 1850'W, Sec. 30-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 2612	Tubing: Diameter 2"	Set At: Feet 4726
Pay Zone: From 4534	To 4824	Total Depth: 4893 - c/o 4840	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365		5-1/2" liner. 2482 - 4887	
Shut-In Pressure, Casing, PSIG PC 983	12 = PSIA 995	Days Shut-In 24	Shut-In Pressure, Tubing PSIG MV 1056	12 = PSIA 1068	
Flowing Pressure: P PSIG 214	12 = PSIA 226		Working Pressure: P _w PSIG Calculated	12 = PSIA 428	
Temperature: T 60	F n = 0.75		F _{pv} (From Tables) 1.026	Gravity .705	

Initial SIPC (PC) - 983 psig; final - 987 psig. 1-1/4" at 2537. Packer at 2618

CHOKE VOLUME = $Q \cdot C \cdot P_c \cdot F_1 \cdot F_g \cdot F_{pv}$ $Q = 12.365 \times 226 \times 1.000 \times .9225 \times 1.026$ 2645 MCF/D

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

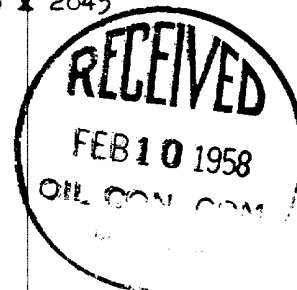
$$Aof = \left(\frac{1,140,624}{957,440} \right)^n \cdot 1.1913^{.75} \times 2645 = 1.1403 \times 2645$$

Aof 3,016 MCF/D

TESTED BY S. V. RobertsWITNESSED BY Tony King

cc: E. S. Oberly (6)

L. D. Galloway
L. D. Galloway



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