

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 3-4-70

Operator El Paso Natural Gas Co.		Lease Rincon Unit No. 189	
Location 1190 N, 790 W, S 12, T26N, R7W		County RA	State New Mexico
Formation Undesignated		Pool Chacra	
Casing: Diameter 2.875	Set At: Feet 3761	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3594	To 3686	Total Depth: 3761	Shut In 2-25-70
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 1003	+ 12 = PSIA 1015	Days Shut-In	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 77	+ 12 = PSIA 89		Working Pressure: P <sub>w</sub> PSIG Calc.	+ 12 = PSIA 116
Temperature: T = 56 °F	n = Ft = 1.0039		F <sub>pv</sub> (From Tables) 1.009	Gravity .665 F <sub>g</sub> = .9498

CHOKE VOLUME = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = (12.365)(89) (1.0039) (.9498) (1.009) = 1,059 MCF/D

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

Aof =  $\left( \frac{1030225}{1016769} \right)^n = (1.0132)^{.75} (1059) = (1.0099) (1059)$

Aof = 1069 MCF/D

TESTED BY Dan Roberts & J. B. Goodwin

WITNESSED BY \_\_\_\_\_

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