

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 11, 1972

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 190	
Location 650/N, 1550/E, Sec. 17 T 27N, R 6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3279	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3166	To 3195	Total Depth: 3314	Shut In 7-25-72
Stimulation Method S.W.F.		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1002	+ 12 = PSIA 1094	Days Shut-In 17	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 146	+ 12 = PSIA 158		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 201	
Temperature: T = 60 °F	F _t = 1.000	n = .85	F _{pv} (From Tables) 1.015	Gravity .665	F _g = .9498

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(158)(1.000)(.9498)(1.015) = \underline{1883} \text{ MCF/D}$$

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

NOTE: The well produced a very slight amount of distillate during the test.

$$Aof = \left(\frac{1196836}{1156435} \right)^n = (1883)(1.0349)^{.85} = (1883)(1.0296)$$

$$Aof = \underline{1939} \text{ MCF/D}$$

TESTED BY J. A. Jones

WITNESSED BY _____



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