

EL PASO NATURAL GAS COMPANY
OPERI FLOW TEST DATADATE 8/24/72

Operator El Paso Natural Gas Company		Lease Rincon #191	
Location 1460/W, 800/W, Sec. 11-T26N-R7W		County Rio Arriba	State New Mexico
Formation Chocra <i>Ept</i>		Pool Indesignated <i>Altera</i>	
Casing: Diameter 2.075	Spt. At: Feet 3973	Tubing: Diameter 2.075	Sat At: Feet
Pay Zone: From 3783	To 3884	Total Depth 3973	Shut In 7/29/72
Stimulation Method SNP		Flow Through Casing NCG	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1017	+ 12 = PSIA 1029	Days Shut-In 26	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 110	+ 12 = PSIA 122	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA		
Temperature: T = 59 °F	Ft = 1.001	Fpv (From Tables) 1.009	Gravity .655	Fg = .9571	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(122)(1.001)(.9571)(1.009) = 1458 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1017^2}{1017^2 - 110^2} \right)^{.75} = (1.000)(1.000) = (1.000)(1.000)$$

$$Aof = 1485 \text{ MCF/D}$$

NOTE: Well produced dry gas through-out test.

TESTED BY R. R. Hardy and C. D. Rhames

WITNESSED BY _____

J. A. Jones
J. A. Jones
Well Test Engineer

