

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 9, 1972

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Atlantic C No. 10</u>	
Location <u>1620</u> <u>200/S, 1660/E, Sec. 35 T 31N, R 10W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>Undesignated</u>	
Casing: Diameter <u>2.475</u>	Set At: Feet <u>3357</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet
Pay Zone: From <u>3226</u>	To <u>3268</u>	Total Depth: <u>3357</u>	Shut In <u>7-15-72</u>
Stimulation Method <u>S.W.F.</u>		Flow Through Casing <u>NO</u>	Flow Through Tubing

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>		Tubingless Completion	
Shut-In Pressure, Casing, PSIG <u>120</u>	+ 12 = PSIA <u>932</u>	Days Shut-In <u>23</u>	Shut-In Pressure, Tubing <u>No Tubing</u>	PSIG <u>120</u>	+ 12 = PSIA
Flowing Pressure: P <u>96</u>	PSIG <u>110</u>	+ 12 = PSIA <u>110</u>	Working Pressure: Pw <u>Calculated</u>	PSIG <u>140</u>	+ 12 = PSIA
Temperature: T = <u>38</u> °F	Ft = <u>1.001</u>	n = <u>.85</u>	Fpv (From Tables) <u>1.007</u>	Gravity <u>.635</u>	Fg = <u>.9721</u>

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

$$Q = (12.365)(110)(1.001)(.9721)(1.007) = \underline{1333} \text{ MCF/D}$$

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

NOTE: Well produced a light mist of water and distillate throughout the test.

$$Aof = \left(\frac{.68624}{.649024} \right)^n = (1333)(1.0231)^{.85} = (1333)(1.0196)$$

$$Aof = \underline{1359} \text{ MCF/D}$$

TESTED BY J. Jones

WITNESSED BY _____



J. A. Jones
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