

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 8, 1972

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Case No. 15</u>	
Location <u>N 700 1/4, 103 1/4, Sec. 6 T 31N, R 11W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>San Juan</u>		Pool <u>Placer</u>	
Casing: Diameter <u>2.625</u>	Set At: Feet <u>2053</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet
Pay Zone: From <u>2006</u>	To <u>2806</u>	Total Depth: <u>2053</u>	Shut In <u>7-26-72</u>
Stimulation Method <u>SMT</u>		Flow Through Casing <u>XX</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>93</u>	+ 12 = PSIA <u>105</u>	Days Shut-In <u>13</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA	
Flowing Pressure: P PSIG <u>93</u>	+ 12 = PSIA <u>105</u>		Working Pressure: Pw PSIG <u>Calculated</u>	+ 12 = PSIA	<u>116</u>
Temperature: T = <u>63</u> °F	Ft = <u>.9971</u>	n = <u>.85</u>	Fpv (From Tables) <u>1.009</u>	Gravity <u>.675</u>	Fg = <u>.9427</u>

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

$$Q = (12.365)(93)(.9971)(.9427)(1.009) = \underline{1090} \text{ MCF/D}$$

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

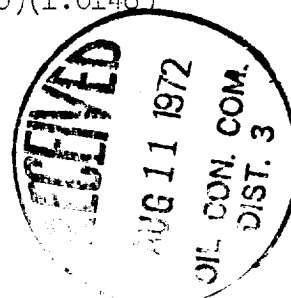
NOTE: Well produced light mist of water and distillate throughout the test.

$$Aof = \left(\frac{793061}{760425} \right)^n = (1090)(1.0172)^{.85} = (1090)(1.0146)$$

$$Aof = \underline{1107} \text{ MCF/D}$$

TESTED BY J. Jones & H. McAnally

WITNESSED BY _____



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