

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 6, 1972

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Sunray B No. 7</u>	
Location <u>1525'S, 1500'W, Section 15, T30N, R10W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>Blanco Ext.</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>3106</u>	Tubing: Diameter <u>Tubingless</u>	Set At: Feet
Pay Zone: From <u>3008</u>	To <u>3042</u>	Total Depth: <u>3106</u>	Shut In <u>6-23-72</u>
Stimulation Method <u>SWF</u>		Flow Through Casing <u>XX</u>	Flow Through Tubing

Choke Size, Inches <u>0.750</u>		Choke Constant: C <u>12.365</u>		Tubingless Completion	
Shut-In Pressure, Casing, PSIG <u>940</u>	+ 12 = PSIA <u>952</u>	Days Shut-In <u>13</u>	Shut-In Pressure, Tubing PSIG <u>Tubingless</u>	+ 12 = PSIA	
Flowing Pressure: P PSIG <u>184</u>	+ 12 = PSIA <u>196</u>		Working Pressure: Pw Calculated PSIG <u>247</u>	+ 12 = PSIA	
Temperature: T = <u>64</u> °F	n = <u>.85</u>		Fpv (From Tables) <u>1.017</u>	Gravity <u>.635</u>	Fg = <u>.9721</u>

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

$$Q = (12.365) (196) (.9962) (.9721) (1.017) = \underline{2386} \text{ MCF/D}$$

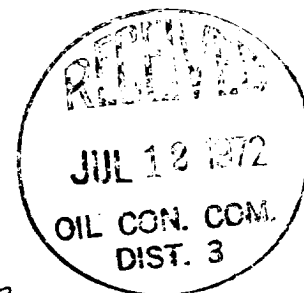
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{906304}{845295} \right)^n = (2386) (1.0722)^{.85} = (2386) (1.0610) =$$

$$Aof = \underline{2533} \text{ MCF/D}$$

TESTED BY R. Hardy

WITNESSED BY _____



J. A. Jones
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