

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 3, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease Lackey A No. 6	
Location 1190 S - 800 W Sec. 12-29N - 10 W		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 2324	Tubing: Diameter NONE	Set At: Feet
Pay Zone: From 2202	To 2244	Total Depth: 2324	Shut In 3-25-72
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 665	+ 12 = PSIA 677	Days Shut-In 9	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 133	+ 12 = PSIA 145	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA		
Temperature: T = 63°F	F _t = .9971	n = .85	F _{pv} (From Tables) 1.013	Gravity .635	F _g = .9721

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

$$Q = (12.365)(145)(.9971)(.9721)(1.013) = 1760 \text{ MCF/D}$$

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

NOTE: Well made light spray of condensate and water throughout test.

$$Aof = \left(\frac{458329}{428053} \right)^n = (1.0707)^{.85}(1760) = (1.0598)(1760) = 1866$$

$$Aof = 1866 \text{ MCF/D}$$

TESTED BY D. R. R.

WITNESSED BY _____



L. E. Mabe, Jr.
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