

OPEN FLOW TEST DATA

DATE August 25, 1972

Operator El Paso Natural Gas Company		Lease Dry A #14	
Location 1650/H, 1650/H, Sec. 17-T29N-R0W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>Est</i>		Pool <i>Blanco</i> Indesignated	
Casing Diameter 2.875	Set At: Feet 3225	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3110	To 3130	Total Depth: 3225	Shut In 8/17/72
Stimulation Method SWP		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 937	+ 12 = PSIA 999	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 126	+ 12 = PSIA 138	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA	175	
Temperature: T = 61 °F	n = Ft = .9990	Fpv (From Tables) 1.012	Gravity .635	Fg = .9721	

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

$$Q = (12.365)(138)(.9990)(.9721)(1.012) = 1677 \text{ MCF/D}$$

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

$$Aof = \left(\frac{993 \ 001}{967 \ 376} \right)^n = (1677)(1.0317)^{.85} = (1677)(1.0268)$$

$$Aof = 1722 \text{ MCF/D}$$

NOTE: Well produced dry gas through out test.



TESTED BY C. Rhames

WITNESSED BY _____

J. A. Jones
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Well Test Engineer