DCC. 2

FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE ___August 5, 1972___

Operator El Paso Natural Gas Company	Lease Case No. 14	
Location 1000/S, 1000/E, Sec. 18 T 31N, R 11W	County San Juan	State New Mexico
Formation Pictured Cliffs	Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 2840	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2674	To 2694	Total Depth: 2840	Shut In 7-27-72
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 723	+ 12 = PSIA 735	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 43	+ 12 = PSIA 55		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 68
Temperature: T=62 °F Ft= .9981	n = .85		Fpv (From Tables) 1.004	Gravity .675 Fg = .9427

CHOKE VOLUME = Q = C $\times$ P$_t$ $\times$ F$_t$ $\times$ F$_g$ $\times$ F$_{pv}$

$$Q = (12.365)(55)(.9981)(.9427)(1.004) \qquad = \underline{\qquad 642 \qquad}\ \text{MCF/D}$$

OPEN FLOW = Aof = Q $\left(\dfrac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$ NOTE: Well produced a heavy spray of water throughout the test.

$$Aof = \left(\frac{540225}{535601} \right)^n = (642)(1.0086)^{.85} = (642)(1.0073)$$

$$Aof = \underline{\qquad 647 \qquad}\ \text{MCF/D}$$

TESTED BY ___J. Jones & H. McAnally___

WITNESSED BY _____

J. A. Jones