

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 20, 1959**

Operator Arizona Explorations, Inc.		Lease Jicarilla No. D-2	
Location 9908, 990W; 19-24-4		County Rio Arriba	State New Mexico
Well Name Pictured Cliffs		Packer Ballard	
Casing Diameter 8-5/8	Set At: Feet 2560	Tubing Diameter 2"	Set At: Feet 2470
Casing Weight 2484	Tubing Weight 2506	Total Depth 2560 c/o 2513	Flow Through Tubing X
Completion Sand Water Frac.			

Pressure Coefficient .75	Choke Coefficient 12.365	Shut-in Pressure (PSIG) 734	Shut-in Pressure (PSIA) 746
Flowing Pressure (PSIG) 56	Flowing Pressure (PSIA) 68	Working Pressure (PSIG) 98	Working Pressure (PSIA) 110
Temperature (°F) 61	Temperature (°F) .85	Exp. From Tables 1.011	Gravity .705

CHOKED FLOW: $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = 12.365 \times 68 \times .9990 \times .9225 \times 1.011$$

783 MCF/D

OPEN FLOW: $Q = \left(\frac{P_1 - P_2}{L} \right)^n$

Act $\left(\frac{556516}{544416} \right)^n$

$$783 \times 1.0222^{.85} = 783 \times 1.0188$$

Act **798** MCF/D

TESTED BY: **Tom B. Grant**

WITNESSED BY: **George Credicott (Ariz. Expl. Inc.)**
Clint Josey (Ariz.)



Lewis D. Galloway
L. D. Galloway

