

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 17, 1974

Operator El Paso Natural Gas Company		Lease Lackey #6	
Location 1560/N, 1830/E, Sec. 34, T28N, R9W		County San Juan	State New Mexico
Formation Chacra		Pool Undes	
Casing: Diameter 2.875	Set At: Feet 4115'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3928	To 4070	Total Depth: PBTD 4115 4105	Shut In 5-2-74
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1015	+ 12 = PSIA 1027	Days Shut-In 15	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 101	+ 12 = PSIA 113		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 149	
Temperature: T = 65 °F	F _t = .9952	n = .75	F _{pv} (From Tables) 1.0100	Gravity .650	F _g = .9608

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

$$Q = 12.365(113)(.9952)(.9608)(1.0100) = \underline{\quad 1349 \quad} \text{ MCF/D}$$

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

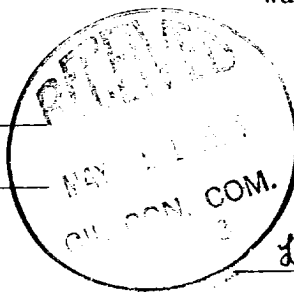
$$Aof = Q \left(\frac{1054729}{1032528} \right)^n = 1349(1.0215)^{.75} = 1349(1.0161)$$

$$Aof = \underline{\quad 1371 \quad} \text{ MCF/D}$$

Note: The well produced a light fog of water during the test.

TESTED BY L. W. Fothergill

WITNESSED BY



Loren W. Fothergill
Loren W. Fothergill
Well Test Engineer