

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 10, 1973

Operator El Paso Natural Gas Company		Lease Roclofs No. 6	
Location 800'S, ¹⁴⁵⁰ 1460'W, Section 15, T29N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>Ext.</i>		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3512	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3390	To 3430	Total Depth: 3512	Shut In 5-2-73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-in Pressure, Casing, PSIG 1019	+ 12 = PSIA 1031	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 95	+ 12 = PSIA 107	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 137		
Temperature: T = 63 °F	n = .85	F _{pv} (From Tables) 1.007	Gravity .645	F _g = .9645	

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

$$Q = (12.365)(107)(.9971)(.9645)(1.007) = \underline{1281} \text{ MCF/D}$$

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

NOTE: Well produced dry gas throughout test

$$Aof = Q \left(\frac{1062961}{1044192} \right)^n = (1281)(1.0180)^{.85} = (1281)(1.0153)$$

$$Aof = \underline{1301} \text{ MCF/D}$$

TESTED BY Bobby Broughton

WITNESSED BY _____



William D. Welch
William D. Welch, Well Test Engineer