

El Paso Natural Gas Company

**WORKED OVER WELL NOTICE**

Form 23-202 (8-60)

The attached Initial Potential Test was made on this well after workover. This test signifies the completion of the workover, and the well is now ready for reconnection and production into the gathering system.

H. L. Kendrick

Sr. Gas Engineer

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EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE December 16, 1965

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit No. 8 (PC) (OWWO)	
Location 1650'S, 1090'W, Section 32, T-27-N, R-5-W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 7.625	Set At: Feet 5290	Tubing Diameter 1.660	Set At: Feet 3136
Pay Zone: From 3128	To 3196	Total Depth: 5645	Shut In 12-2-65
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Baker Model "D" Packer set at 3273'.	
Shut-In Pressure, Casing, PSIG 756	+ 12 = PSIA 768	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 756	+ 12 = PSIA 768
Flowing Pressure: P PSIG 92	+ 12 = PSIA 104		Working Pressure: P <sub>w</sub> PSIG 97	+ 12 = PSIA 109
Temperature: T = 56 °F	F <sub>t</sub> = 1.0039	n = .85	F <sub>pv</sub> (From Tables) 1.007	Gravity .620 F <sub>g</sub> = .9837

Initial SIPT (MV) = 841 PSIG  
Final SIPT (MV) = 843 PSIG

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = (12.365) (104) (1.0039) (.9837) (1.007) = 1,279 MCF/D

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

Aof =  $\left( \frac{589,824}{577,943} \right)^n = (1279) (1.0205)^{.85} = (1279) (1.0174)$

NOTE: Blew clear gas.

Aof = 1,301 MCF/D

TESTED BY R. Headrick  
CHECKED BY Hermon E. McAnally



Lewis D. Galloway  
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