

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

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 11, 1961**

Operator El Paso Natural Gas Company	Lease Howell "D" No. 4 (OWWO)
Location NW/4 Sec. 33-31N-8W	County San Juan State New Mexico
Formation Mesa Verde	Pool Blanco
Casing Diameter 4-1/2" O.D. Set At Feet 5536	Tubing Diameter 2-3/8" O.D. Set At Feet 5468
Pay Zone From 5326 To 5478	Total Depth 5536 C/O 5490 Shut In 9-21-61
Stimulant Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size .750	Choke Constant C 12.365	Shut-In Pressure, Casing 911 PSIG	Shut-In Pressure, Tubing 895 PSIG
Flowing Pressure: P 246 PSIG	Working Pressure: P _w 607 PSIG	Days Shut-In 20	Flow Through Tubing 3115 MCF/D
Temperature 74 F	E _{pv} (From Tables) 1.022	Flowing Pressure: P 258 PSIG	Gravity .9682
Flowing Pressure: P 246 PSIG	Flowing Pressure: P 258 PSIG	Flowing Pressure: P 246 PSIG	Flowing Pressure: P 246 PSIG

CHOKE VOLUME $Q = C \times P_r \times F_p \times F_g \times F_{pv}$

$Q = (12.365)(258)(.9868)(.9682)(1.022)$

3115

MCF/D

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

$Aof = \left(\frac{851,929}{468,768} \right)^n (1.8173)^{.75} (3115) = (1.5642)(3115)$

Aof **4872**

MCF/D

TESTED BY **D. E. Mortensen**

WITNESSED BY

Checked by: W. D. Dawson

NOTE: Unloaded fair amount of liquid after 4 minutes then blew clear gas.

Lewis D. Galloway
Lewis D. Galloway

