FORM 23-75 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 28, 1975

Operator: El Paso Natural Gas Company		Lease: San Juan 28-7 Unit #224	
Location: 1450'N, 800'E, Sec. 28, T28N, R7W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7220'	Tubing: Diameter: 1.990	Set At: Feet: 7160'
Pay Zone: From: 6972	To: 7191'	Total Depth: 7234 PBTD 7227'	Shut In: 4-21-75
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing

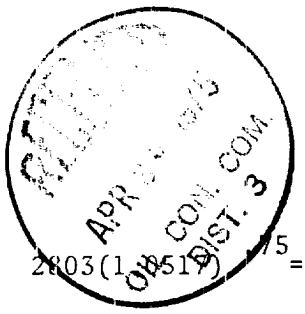
~~Choke~~ Plate Size, Inches: 2.500 4" M.R.	~~Choke~~ Plate Constant: C: 32.64		Tested through 3/4" variable choke.	
Shut-In Pressure, Casing, PSIG: 2468	+ 12 = PSIA: 2480	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 2468	+ 12 = PSIA: 2480
Flowing Pressure: P PSIG: W.H. 256 M.R. 63	+ 12 = PSIA: W.H. 268 M.R. 75		Working Pressure: Pw PSIG: 538	+ 12 = PSIA: 550
Temperature: T= 60 °F Ft=1.000	n = .750		Fpv (From Tables): 1.009	Gravity: .65 Fg = 1.240

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

Q = Calculated from orifice meter readings = 2803 MCF/D

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

$Aof = Q \left(\frac{5150400}{5847900} \right)^n = 2803(1.0517)^{.75} = 2803(1.0386)$



Aof = 2911 MCF/D

Note: This well made 1 Bbl. of water during the test. Gas vented to atmosphere 424.47 MCF.

TESTED BY F. Johnson

WITNESSED BY G. Brink

Well Test Engineer