FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 7-17-75

Operator: El Paso Natural Gas Company		Lease: Feuille #1-A	
Location: 925'/S, 500/E, Sec. 13, T29N, R9W		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 5711'	Tubing: Diameter: 2.375	Set At: Feet: 5639'
Pay Zone: From: 4959'	To: 5667'	Total Depth: 5711 PBTD 5693'	Shut In: 7-10-75
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

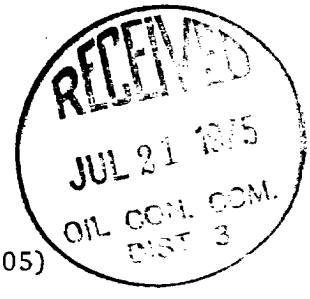
~~Choke~~ Size, Inches: 2.750" Plate, 4" M.R.		~~Choke~~ Plate Constant: C: 41.10		Well Tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 640	+ 12 = PSIA: 652	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 598		+ 12 = PSIA: 610
Flowing Pressure: P PSIG: 59 M.R., 164 W.H.	+ 12 = PSIA: 71 M.R., 176 W.H.		Working Pressure: P_w PSIG: 610		+ 12 = PSIA: 622
Temperature: T= 62 °F Ft= .9981	n = 0.750		Fpv (From Tables): 1.011		Gravity: .710 Fg = 1.187

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = Calculated from orifice meter readings = 1751 MCF/D

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

$Aof = Q\left(\frac{425104}{38220}\right)^n = (1751)(11.1226)^{.75} = (1751)(6.0905)$



Aof = 10,664 MCF/D

Note: The well produced 18 bbls of water during the test. The well produced 190 MCF gas during the test.

TESTED BY Frank Johnston

WITNESSED BY

Charles W. Dean

Well Test Engineer