FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY

DATE May 28, 1975

Operator: El Paso Natural Gas Company		Lease: Pierce A #1-A	
Location: 800'S, 1670'E, Sec. 13, T30N, R10W		County: San Juan	State: New Mexico
Formation: Mesa Verde (Menefee Sand)		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 5693'	Tubing: Diameter: 2.375	Set At: Feet: 5185'
Pay Zone: From: 4952	To: 5196	Total Depth: 5693' PBTD 5683'	Shut In: 5-13-75
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

~~Choke~~ Plate Size, Inches: 2.50 4" M.R.	Choke Constant: C: 32.64		Well tested thru 3/4" variable choke.
Shut-In Pressure, Casing, PSIG: 1085	+ 12 = PSIA: 1097	Days Shut-In: 15	Shut-In Pressure, Tubing PSIG: 151 — + 12 = PSIA: 163
Flowing Pressure: P PSIG: 43 MR 130 WH	+ 12 = PSIA: 55 MR 142 WH		Working Pressure: Pw PSIG: 494 — + 12 = PSIA: 506
Temperature: T= 69 °F Ft=0.9915	n = 0.75		Fpv (From Tables): 1.004 — Gravity: .700 Fg=1.195

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

Q = Calculated from orifice meter readings = 1779 MCF/D

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

$Aof = Q \left(\frac{1205409}{947373} \right)^n = 1779(1.2703)^{.75} = (1779)(1.1965)$

Aof = 2129 MCF/D

Note: This well produced heavy slugs of fresh water in approximately 8 minutes. During the test the well produced 39.14 Bbls of water and 12.36 Bbls of 42.7 API gravity oil. Gas vented to atmosphere 300.02 MCF.

TESTED BY Norton & Hardy

WITNESSED BY

Well Test Engineer

JUN 4 1975 OIL CON. COM. DIST. 3