FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 18, 1975

Operator: El Paso Natural Gas Company		Lease: Pierce #1-A	
Location: 1140/N, 1040/E, Sec. 17, T30N, R9W		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 5677'	Tubing: Diameter: 2.375	Set At: Feet: 5624'
Pay Zone: From: 4679'	To: 5644'	Total Depth: PBTD 5677' 5660'	Shut In: 4-11-75
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

~~Meter~~ Choke Size, Inches: 4" M.R. Orifice 2.500		~~Orifice~~ Choke Constant: C: 32.64		Well tested thru a 3/4" variable choke.	
Shut-In Pressure, Casing, PSIG: 728	+ 12 = PSIA: 740	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 732	+ 12 = PSIA: 744	
Flowing Pressure: P PSIG: WH 285 MR 92	+ 12 = PSIA: WH 297 MR 104		Working Pressure: P_w PSIG: 673	+ 12 = PSIA: 685	
Temperature: T= 51 °F Ft=1.0088	n = .75		Fpv (From Tables): 1.032	Gravity: .674 Fg=1.218	

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

Q = Calculated from meter readings = 3841 MCF/D

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

$Aof = Q \left(\frac{553536}{84311} \right)^n = 3841(6.5654)^{.75} = 3841(4.1015)$

RECEIVED
APR 21 1975
OIL CON. CO.
DIST

Aof = 15752 MCF/D

Note: The well produced 1 Bbl. of water and 1 Bbl of 57.6 API gravity oil. The well vented 478.96 MCF of gas to atmosphere.

TESTED BY R. Hardy

WITNESSED BY L.W. Fothergill & G. Brink

Loren W Fothergill

Well Test Engineer