FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 8/30/72

Operator: El Paso Natural Gas Company		Lease: Hardie "D" #3	
Location: 800/S, 1150/W, Sec. 14-T28N-R8W		County: San Juan	State: New Mexico
Formation: Pictured Cliffs		Pool: Undesignated	
Casing: Diameter: 2.875	Set At: Feet: 3014	Tubing: Diameter: No tubing	Set At: Feet:
Pay Zone: From: 2892	To: 2942	Total Depth: 3014	Shut In: 8/22/72
Stimulation Method: SWF		Flow Through Casing: XXX	Flow Through Tubing:

Choke Size, Inches: .750	Choke Constant: C: 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG: 970	+ 12 = PSIA: 982	Days Shut-In: 8	Shut-In Pressure, Tubing PSIG: no tubing	+ 12 = PSIA:
Flowing Pressure: P PSIG: 100	+ 12 = PSIA: 112		Working Pressure: Pw PSIG: Calculated	+ 12 = PSIA: 140
Temperature: T= 62 °F	Ft= .9981	n = .85	Fpv (From Tables): 1.010	Gravity: .650 Fg = .9608

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

$Q = (12.365)(112)(.9981)(.9608)(1.010) = 1341$ MCF/D

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

$Aof = \left(\frac{964\,324}{944\,724} \right)^{.85} = (1341)(1.0207) = (1341)(1.0176)$

Aof = 1365 MCF/D

NOTE: Blew dry gas entire test.

RECEIVED
SEP 8 1972
OIL CON. COM.
DIST. 3

TESTED BY Jesse Goodwin

WITNESSED BY _____

J. A. Jones
J. A Jones
Well Test Engineer