FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 11, 1973

Operator: El Paso Natural Gas Company		Lease: San Juan 27-4 Unit No. 71	
Location: 1650/N, 1754/E, Sec. 16, T-27N, R4W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8532'	Tubing: Diameter: 1 1/2"	Set At: Feet: 8504'
Pay Zone: From: 8312	To: 8502'	Total Depth: 8532'	Shut In: 10-1-73
Stimulation Method: Sandwater Frac		Flow Through Casing: X	Flow Through Tubing:

~~Choke~~ Size, Inches: 4" MR Orofice 2.500		~~Choke~~ Constant: C: 32.64		Well tested thru 48/64 Choke	
Shut-In Pressure, Casing, PSIG: 2560	+ 12 = PSIA: 2572	Days Shut-In: 9	Shut-In Pressure, Tubing PSIG: 1122	+ 12 = PSIA: 1134	
Flowing Pressure: P PSIG: WH 120 MR 27	+ 12 = PSIA: WH 132 MR 39		Working Pressure: P_w PSIG: 562	+ 12 = PSIA: 574	
Temperature: T= 58 °F Ft= 1.002	n = .75		Fpv (From Tables): 1.004	Gravity: .655 Fg = .9571	

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

$Q =$ Calculated from meter readings $= 1210$ MCF/D

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

$Aof = Q \left(\frac{6615184}{6285708} \right)^n = 1210\ (1.0524)^{.75} = 1210\ (1.0394)$

$Aof = 1258$ MCF/D

Note: Well produced 6' total liquid with 1' oil.

RECEIVED
OCT 17 1973
OIL CON. COM.
DIST. 3

TESTED BY Norton & Hardy

WITNESSED BY

William D. Welch

William D. Welch

Well Test Engineer