FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 11, 1972

Operator: EL PASO NATURAL GAS COMPANY		Lease: San Juan 29-5 Unit No. 60	
Location: 1090 N 990 E Sec. 32-29N-5W		County: Rio Arriba	State: N. M.
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7958	Tubing: Diameter: 1.500	Set At: Feet: 7879
Pay Zone: From: 7710	To: 7880	Total Depth: 7958	Shut In: 4-4-72
Stimulation Method: SWF		Flow Through Casing: XXX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2562	+ 12 = PSIA: 2574	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 2465	+ 12 = PSIA: 2477	
Flowing Pressure: P PSIG: 333	+ 12 = PSIA: 345		Working Pressure: P_w PSIG: 534	+ 12 = PSIA: 546	
Temperature: T=79 °F	Ft=.9822	n = .75	Fpv (From Tables): 1.023	Gravity: .590	Fg = 1.008

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

$Q = (12.365)(345)(.9822)(1.008)(1.023) =$ 4321 MCF/D

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

NOTE: 7 Min. after the well was turned on, it unloaded a slug of water. The well produced a heavy spray of water and distillates throughout the test.

$Aof = \left(\frac{6625476}{6327360} \right)^{.75} = (1.0471) \quad (4321) = (1.0351)(4321) =$

Aof = 4473 MCF/D

RECEIVED
APR 18 1972
OIL CON. COM.
DIST. 3

TESTED BY Dan Roberts

WITNESSED BY Hardy - Broughton

H. E. McAnally