FORM 21-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 24, 1974

Operator: El Paso Natural Gas Company		Lease: Heaton #1 (MV) (OWWO)	
Location: 990/N, 900/E, Sec. 28, T31N, R11W		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 5.500	Set At: Feet: 7106'	Tubing: Diameter: 1.660	Set At: Feet: 4880'
Pay Zone: From: 4698'	To: 4928'	Total Depth: 7106' COTD 6520'	Shut In: 9-28-74
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 420	+ 12 = PSIA: 432	Days Shut-In: 26	Shut-In Pressure, Tubing PSIG: 420	+ 12 = PSIA: 432	
Flowing Pressure: P PSIG: 114	+ 12 = PSIA: 126		Working Pressure: Pw PSIG: 142	+ 12 = PSIA: 154	
Temperature: T= 68 °F Ft=0.9924	n = .75		Fpv (From Tables): 1.012	Gravity: 0.671 Fg = 0.9456	

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

$Q = 12.365(126)(0.9924)(0.9456)(1.012) = 1480$ MCF/D

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

$Aof = Q \left(\frac{186624}{162908} \right)^n = 1480(1.1456)^{.75} = 1480(1.1073) = 1638$ MCF/D

OIL CON. COM.
DIST. 3

Note: The well produced a dry gas flow.

TESTED BY F. Johnson

WITNESSED BY _____

Loren W. Fothergill
Well Test Engineer