FORM 23-72R (REV. 1-68)

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 3-9-71

Operator: El Paso Natural Gas Company		Lease: Lucciano Unit No. 218	
Location: 800 N. 800 W. S29, T26N, R10W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6551	Tubing: Diameter: 2.375	Set At: Feet: 6500
Pay Zone: From: 6366	To: 6522	Total Depth: 6551	Shut In: 3-28-71
Stimulation Method: SWF		Flow Through Casing:	Flow Through Tubing: XX

Choke Size, Inches: 4" NR 2.750 Pits.		Choke Constant: C: 41.9208		Tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 1737	+ 12 = PSIA: 1749	Days Shut-In: 9	Shut-In Pressure, Tubing PSIG: 1489	+ 12 = PSIA: 1501	
Flowing Pressure: P PSIG: 461 WH 119 MP	+ 12 = PSIA: 473 WH 131 MP		Working Pressure: P_w PSIG: 822	+ 12 = PSIA: 834	
Temperature: T= 77 °F Ft= .9840	n = .75		Fpv (From Tables): 1.013	Gravity: .700 Fg=1.1952	

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

Q = Calculated from orifice meter readings = 3587 MCF/D

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

Note: the well produced 46.08 bbls. of 47.1 API Gravity oil during test.

$$Aof = \left(\frac{30590001}{2363445} \right)^n = (3587)(1.2943)^{.75}(3587)(1.2135)$$

Aof = 4353 MCF/D

TESTED BY BJB-RH-CRW

WITNESSED BY

MPS

OIL CON. COM.

H. L. Kendrick