FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 16, 1972

Operator: EL PASO NATURAL GAS COMPANY		Lease: Huerfano Unit No. 229	
Location: 990 S - 990 E Sec. 5 26N, 10W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6944	Tubing: Diameter: 2.375	Set At: Feet: 6861
Pay Zone: From: 6714	To: 6882	Total Depth: 6944	Shut In: 4-30-72
Stimulation Method: SWF		Flow Through Casing	Flow Through Tubing

Plate ~~Orifice~~ Size, Inches: 4" MR, 2.750 Plate		Choke Constant: C: 41.10		Tested through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 1965	+ 12 = PSIA: 1977	Days Shut-In: 47	Shut-In Pressure, Tubing PSIG: 1679	+ 12 = PSIA: 1691	
Flowing Pressure: P PSIG: 115 W.H.; 21 M.R.	+ 12 = PSIA: 127 W.H. 33 M.R.		Working Pressure: Pw PSIG: 475	+ 12 = PSIA: 487	
Temperature: T= 88 °F Ft=0.9741	n = .75		Fpv (From Tables): 1.003	Gravity: 0.710 Fg = 1.1868	

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

Q = Calculated from orifice meter readings = 986 MCF/D

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

NOTE: The well produced 38.91 bbls. of 43.9 API gravity oil during the test.

$Aof = \left(\frac{3908529}{3671360} \right)^n = (986)(1.0646)^{.75} = (986)(1.0481)$

Aof = 1,033 MCF/D

RECEIVED
JUN 30 1972
OIL CON. COM.
DIST. 3

TESTED BY _____

WITNESSED BY _____

H. E. McAnally

H. E. McAnally