FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE May 31, 1974

Operator: El Paso Natural Gas Company		Lease: San Juan 28-7 Unit #185	
Location: 990/S, 1025/W, Sec. 17, T27N, R7W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7586'	Tubing: Diameter: 2.375	Set At: Feet: 7508'
Pay Zone: From: 7296	To: 7514	Total Depth: 7586' PBTD: 7573'	Shut In: 5-19-74
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

~~Meter~~ Choke Size, Inches: 4" MR	Orifice: 2.50	~~Orifice~~ Choke Constant: C: 32.64		Well tested thru a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 2390	+ 12 = PSIA: 2402	Days Shut-In: 12		Shut-In Pressure, Tubing PSIG: 2140	+ 12 = PSIA: 2152
Flowing Pressure: P PSIG: 278	+ 12 = PSIA: 290			Working Pressure: Pw PSIG: 747	+ 12 = PSIA: 759
Temperature: T= 62 °F	Ft=.9981	n = .75		Fpv (From Tables): 1.0280	Gravity: .650 Fg= .9608

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

Q = Calculated from meter readings = 2461 MCF/D

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

$Aof = Q \left(\frac{5769604}{5193523} \right)^n = 2461(1.1109)^{.75} = 2461(1.0821)$

Aof = 2663 MCF/D

Note: The well produced 12.36 BBl of water and 18.54 BBl of 55.7 gravity oil.

TESTED BY R. Hardy

WITNESSED BY

RECEIVED
JUN 4 1974
OIL CON. COM.
DIST. 3

Loren W Fothergill

Loren W. Fothergill
Well Test Engineer