FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 9-26-73

Operator: El Paso Natural Gas Company		Lease: Nageezi #2	
Location: 1800/S, 800/E, Sec. 1 T-25N, R9W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6687'	Tubing: Diameter: 2.875	Set At: Feet: 6612'
Pay Zone: From: 6376	To: 6600	Total Depth: 6687	Shut In: 9-11-73
Stimulation Method: Sandwater Frac		Flow Through Casing:	Flow Through Tubing: X

~~Choke~~ MR Size, Inches: 4" Orifice 2.500		~~Choke~~ Orifice Constant: C: 32.64		Well tested thru 48/64 choke	
Shut-In Pressure, Casing, PSIG: 2221	+ 12 = PSIA: 2233	Days Shut-In: 14	Shut-In Pressure, Tubing PSIG: 1371	+ 12 = PSIA: 1383	
Flowing Pressure: P PSIG: WH=171 MR=49	+ 12 = PSIA: WH 183	MR 61	Working Pressure: P_w PSIG: 534	+ 12 = PSIA: 546	
Temperature: T= 61 °F Ft= .9990	n = .75		Fpv (From Tables): 1.004	Gravity: .690 Fg=.9325	

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

Q = Calculated from meter readings = 1465 MCF/D

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

$Aof = Q \left(\frac{4986289}{4688173} \right)^n = 1465\ (1.0636)^{.75} = 1465\ (1.0473)$

RECEIVED
SEP 26 1973
OIL CON. COM.
DIST. 3

Aof = 1535 MCF/D

Note: Well produced 30 bbl. of 43.3 gravity oil.

TESTED BY BJB

WITNESSED BY

William D Welch

William D. Welch
Well Test Engineer