FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 3/16/73

Operator: El Paso Natural Gas Company		Lease: Nageezi #1	
Location: 1500/N, 1500/E, Sec. 12 T25N, R9W		County: San Juan	State: NM
Formation: Gallup		Pool: Undesignated	
Casing: Diameter: 4.500	Set At: Feet: 6639	Tubing: Diameter: 2.375	Set At: Feet: 5961
Pay Zone: From: 5450	To: 5658	Total Depth: 6100	Shut In: 3/7/73
Stimulation Method: SWF		Flow Through Casing:	Flow Through Tubing: X

orifice ~~Choke Size~~, Inches: 2.750		Choke Constant: C: 41.10			
Shut-In Pressure, Casing, PSIG: 472	+ 12 = PSIA: 484	Days Shut-In: 9	Shut-In Pressure, Tubing PSIG: 1062	+ 12 = PSIA: 1074	
Flowing Pressure: P PSIG: mr 15 wh 93	+ 12 = PSIA: mr 27 wh 105		Working Pressure: Pw PSIG: 473	+ 12 = PSIA: 485	
Temperature: T= 81 °F Ft= .9804	n = .75		Fpv (From Tables): 1.008	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 = 379 MCF/D

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

$Aof = Q \left(\frac{1153476}{918251} \right)^n = 379\ (1.2562)^{.75} = 379\ (1.1866)$

RECEIVED
MAR 20 1973
OIL CON. COM.
DIST. 3

Aof = 450 MCF/D

NOTE: Well produced 122 bbl oil, corrected gravity 39.1 @ 60 degrees. Q=41.10 x 1.23 x 3.162 x .9804 x .9608 x 1.008 = 379.

TESTED BY BJB and CR

WITNESSED BY

William D. Welch

William D. Welch
Well Test Engineer