FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY

DATE 9-18-74

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit #257	
Location: 1840/N, 1840/W, Sec. 36, T27N, R10W		County: San Juan	State: New Mexico
Formation: Gallup		Pool: Angel Peak Ext.	
Casing: Diameter: 4.500	Set At: Feet: 6183'	Tubing: Diameter: 2.375	Set At: Feet: 6130'
Pay Zone: From: 5844	To: 6106'	Total Depth: 6183' PBTD 6164	Shut In: 9-5-74
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

~~Meter~~ Choke Size, Inches: 4" MR	Orifice: 2.750	~~Orifice~~ Choke Constant: C: 41.10		Well tested thru a 3/4" variable choke.	
Shut-In Pressure, Casing, PSIG: 615	+ 12 = PSIA: 627	Days Shut-In: 13	Shut-In Pressure, Tubing PSIG: 440	+ 12 = PSIA: 452	
Flowing Pressure: P PSIG: 3	+ 12 = PSIA: 15		Working Pressure: P_w PSIG: 212	+ 12 = PSIA: 224	
Temperature: T= 72 °F	Ft=0.9887	n = .75	Fpv (From Tables): 1.004	Gravity: .720	Fg = 1.179

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = Calculated from orifice meter readings = 274 MCF/D

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

$Aof = Q \left(\frac{393129}{342953} \right)^n = 274(1.1463)^{.75} = 274(1.1078)$

Aof = 303 MCF/D

Note: The well produced 1.50 BBLS of water and a trace of oil.

RECEIVED
SEP 26 1974
OIL CON. COM.
DIST. 3

TESTED BY F. C. Johnson, Goodwin

WITNESSED BY

H. E. McGrath
Well Test Engineer