FORM C-122 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE November 26, 1974

Operator: El Paso Natural Gas Company		Lease: San Juan 28-7 Unit #238	
Location: 1000/S, 1600/W, Sec. 29, T28N, R7W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7232'	Tubing: Diameter: 1.990	Set At: Feet: 7165'
Pay Zone: From: 6960	To: 7170'	Total Depth: 7232' PBTD 7224'	Shut In: 10-25-74
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing

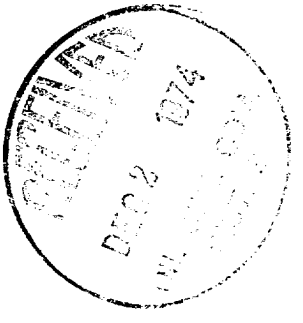
~~Meter~~ Orifice Choke Size, Inches: 4" MR Orifice 2.500	Choke Constant: C: 32.64	Well tested thru a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 2470	+ 12 = PSIA: 2482 Days Shut-In: 31	Shut-In Pressure, Tubing PSIG: 2320	+ 12 = PSIA: 2332
Flowing Pressure: P PSIG: WH 232 MR 67	+ 12 = PSIA: WH 244 MR 79	Working Pressure: P_w PSIG: 529	+ 12 = PSIA: 541
Temperature: T= 62 °F Ft= 0.9981	n = .75	Fpv (From Tables): 1.024	Gravity: .650 Fg=1.240

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

Q = Calculated from orifice meter readings = 2848 MCF/D

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

$Aof = Q \left(\frac{6160324}{5867643} \right)^n = 2848(1.0499)^{.75} = 2848(1.0372)$



Aof = 2954 MCF/D

Note: The well produced 21.63 Bbls of water and 10.44 Bbls of 57.2 API gravity oil.

TESTED BY Johnson & Norton

WITNESSED BY

Loren W Fothergill

Loren W. Fothergill

Well Test Engineer