FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 7-17-75

Operator: El Paso Natural Gas Company		Lease: San Juan 28-7 Unit #241	
Location: 1690/S, 810/W, Sec. 9, T28N, R7W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7874'	Tubing: Diameter: 1.900	Set At: Feet: 7827'
Pay Zone: From: 7646	To: 7844'	Total Depth: 7874' PBTD 7866	Shut In: 7-2-75
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing:

~~Choke~~ Plate Size, Inches: 2.500" Plate, 4" M.R.	~~Choke~~ Plate Constant: C: 32.64		Tested through a 3/4" variable choke
Shut-In Pressure, Casing, PSIG: 2533	+ 12 = PSIA: 2545 — Days Shut-In: 15	Shut-In Pressure, Tubing PSIG: 2105	+ 12 = PSIA: 2117
Flowing Pressure: P PSIG: 11 M.R., 69 W.H.	+ 12 = PSIA: 23 M.R., 81 W.H.	Working Pressure: P_w PSIG: 460	+ 12 = PSIA: 472
Temperature: T= 57 °F Ft= 1.003	n = 0.750	Fpv (From Tables): 1.004	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 = 842 MCF/D

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

$Aof = Q \left(\frac{6477025}{6254241} \right)^n = 842(1.0356)^{0.75} = (842)(1.0266)$

Aof = 864 MCF/D

Note: The well produced 3.69 Bbls of 48.1° API gravity oil and 20 bbls of water during the test. The well produced 263 MCF gas during the test.

RECEIVED
JUL 21 1975
OIL CON. COM.
DIST. 3

TESTED BY R. Hardy, C. Dein

WITNESSED BY

Charles W. Thein

Well Test Engineer