FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY

DATE October 31, 1973

Operator: El Paso Natural Gas Company		Lease: San Juan 27-5 Unit #147	
Location: 790/N, 840/E, Sec. 36, T27N, R5W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8541'	Tubing: Diameter: 1 1/2	Set At: Feet: 8492'
Pay Zone: From: 8300	To: 8510	Total Depth: 8541	Shut In: 10-6-73
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing:

Orifice ~~Choke~~ Size, Inches: 2.750 Plate, 4" MR		Choke Constant: C: 41.10		Tested thru a 3/4" Variable choke	
Shut-In Pressure, Casing, PSIG: 2415	+ 12 = PSIA: 2427	Days Shut-In: 25	Shut-In Pressure, Tubing PSIG: 1485	+ 12 = PSIA: 1497	
Flowing Pressure: P PSIG: 154 MR, 222 WH	+ 12 = PSIA: 166 MR, 234 WH		Working Pressure: P_w PSIG: 1444	+ 12 = PSIA: 1456	
Temperature: T= 64°F Ft= .9962	n = .75		Fpv (From Tables): 1.015	Gravity: .655 Fg=1.236	

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

Q = Calculated from orifice meter readings = 3305 MCF/D

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

$Aof = Q \left(\frac{5890329}{3770393} \right)^n = (3305)(1.5623)^{.75} = (3305)(1.3974)$

Aof = 4618 MCF/D

Note: The well produced 12 bbls of 57.8° Apl gravity oil and 46 bbls. of water during the test.

RECEIVED
NOV 21 1973
OIL CON. COM.
DIST. 3

TESTED BY C. Rhames, Don Norton

WITNESSED BY

H. L. McAnally
Well Test Engineer