EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE __October 31, 1973

Operator		Lease	
El Paso Natural Gas Company		San Juan 27-5 Unit #147	
Location (8) 840 1025/N, 800/E Sec. 36, T27N, R5W		County Rio Arriba	State New Mexico
Formation		Pool	
Dakota		Basin	
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet
4.500	8541'	1 1/2	8492'
Pay Zone: From	То	Total Depth;	Shut In
8300	8510'	8541	10-6-73
Stimulation Method		Flow Through Casing	Flow Through Tubing
Sandwater Frac		XX	

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

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

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

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & \\ & \frac{2}{P_c} & \\ & P_c & P_w \end{pmatrix}^n$$

Aof = $Q\left(\begin{array}{c} \frac{5890329}{3770393} \end{array}\right)^{n}$ = (3305)(1.5623) \cdot^{75} =(3305)(1.3974)

REULIVED

NOV 5 1973

OIL CON. COM.

DIST. 3

Aof = 4618 MCF/D

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

TESTED BY _____ C. Rhames, Don Norton

WITNESSED BY_____

Well Test Engineer