TOTAL CHARGE TO CLOSURE

## ODEN SLOW TEST DATA

## OPEN FLOW TEST DATA

DATE September 8, 1977

Operator		Lease		
El Paso Natural	l Gas Company	San Juan 27-4 Unit #109		
Location		County	State	
SE 23-27-04	•	Rio Arriba	Now Mexico	
Formation		Pool		
Mesa Verde		B1anco		
Casing: Diameter 4 1/2	Set At: Feet 64991	Tubing: Diameter 2 3/8	Set At: Feet 6463 1	
Pay Zone: From	То	Total Depth:	Shut In	
5654	6469	6499'	8-3-77	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac			XX	

Cheke-Size, Inches	Orifice 2.750	Meter Choke Constant 41.10		Well tested thru	a 3/4"	variable choke.
Shut-In Pressure, Casin	ng, PSIG	+ 12 = PSIA	Days Shut-In 36	Shut-In Pressure, Tubing 1105	PSIG	+ 12 = PSIA 1117
Flowing Pressure: P MR 71	PSIG WH 352	+ 12 = PSIA MR 83	WH 364	Working Pressure: Pw Calc.	PSIG	+ 12 = PSIA 533
Temperature:	Ft=1.0127	n = .75		Fpv (From Tables) 1.045		Gravity .670 Fg = 1.222

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

Q = Calculated from meter readings

OPEN FLOW = Aof = Q 
$$\begin{pmatrix} & & & \\ & P_c & \\ & P_c & P_w \end{pmatrix}$$

Aof = 
$$Q\left(\frac{1247689}{963600}\right)^{\mathbf{n}} = 2523(1.2948)^{-.75} = 2523(1.2138)$$

Aof = \_\_\_\_\_MCF/D

Note: Well made 6.24 Bbls of oil and 33.28 Bbls of water. Well vented 257 MCF of gas to the atmosphere during test.

TESTED BY F. Johnson

WITNESSED BY\_\_\_\_\_

Well Test Engineer O/GT SO/