FORM 3-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE March 31, 1975

Operator: El Paso Natural Gas Company		Lease: San Juan 32-9 Unit #16 (OWWO)	
Location: 1650/N, 990/E, Sec. 8, T31N, R9W		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 6286'	Tubing: Diameter: 2.375	Set At: Feet: 6243'
Pay Zone: From: 5487'	To: 6254'	Total Depth: 6286' PBTD 6260'	Shut In: 3-17-75
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

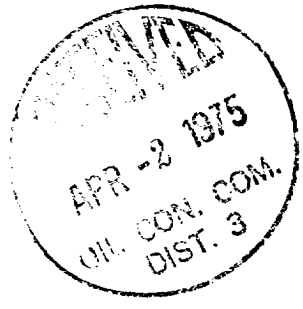
Choke Size, Inches: Plate 2.500 4" M.R.	Choke Constant: C: Plate 32.64	Well test thru a 3/4" variable choke.	
Shut-In Pressure, Casing, PSIG: 729	+ 12 = PSIA: 741 / Days Shut-In: 14	Shut-In Pressure, Tubing PSIG: 680	+ 12 = PSIA: 702
Flowing Pressure: P PSIG: M.R. 66 W.H. 210	+ 12 = PSIA: M.R. 78 W.H. 222	Working Pressure: Pw PSIG: 662	+ 12 = PSIA: 674
Temperature: T= 64 °F Ft=0.9962	n = .75	Fpv (From Tables): 1.022	Gravity: .652 Fg=1.238

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

Q = Calculated from orifice meter readings = 2906 MCF/D

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

$Aof = Q \left(\frac{549081}{94805} \right)^n = 2906(5.7917)^{.75} = 2906(3.7333)$



Aof = 10851 MCF/D

Note: The well produced 22.6 Bbl of 35.1 API gravity. The well vented 332.82 MCF of gas during the three hour test.

TESTED BY C. Rhames

WITNESSED BY

Well Test Engineer