FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 8, 1975

Operator: El Paso Natural Gas Company		Lease: Riddle 1-A	
Location: 1715/S, 990/W, Sec. 4, T30N, R9W		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 5578'	Tubing: Diameter: 2.375	Set At: Feet: 5472'
Pay Zone: From: 4679	To: 5644	Total Depth: 5578 PBTD 5561'	Shut In: 4-1-75
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

Meter ~~Choke~~ Size, Inches: 4" M.R	Plate: 2.500	~~Choke~~ Constant: C: 32.64		Well tested thru a 3/4" variable choke.	
Shut-In Pressure, Casing, PSIG: 708	+ 12 = PSIA: 720	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 480	+ 12 = PSIA: 492	
Flowing Pressure: P PSIG: W.H. 264 M.R. 88	+ 12 = PSIA: W.H. 276 M.R. 100		Working Pressure: Pw PSIG: 649	+ 12 = PSIA: 661	
Temperature: T= 60 °F Ft= 1.000	n = .75		Fpv (From Tables): 1.030	Gravity: .668 Fg = 1.224	

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = Calculated from orifice meter readings = 3559 MCF/D

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

$Aof = Q\left(\frac{518400}{81479}\right)^n = 3559(6.3623)^{.75} = 3559(4.006)$

Aof = 14257 MCF/D

Note: Unloaded 1 Bbl of water in first 15 minutes of flow. Dry flow for rest of the test.

Gas vented to atmosphere 448 MCF.

TESTED BY Rhames

WITNESSED BY _____

Leon W Fothergill

Well Test Engineer