

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 20, 1975

Operator El Paso Natural Gas Company		Lease Lindrith Unit #85	
Location 790'/N, 790'/E, Sec. 29, T24N, R2W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3176'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3024	To 3090'	Total Depth: PBSD 3176' 3166'	Shut In 8-12-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 877	+ 12 = PSIA 889	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 65	+ 12 = PSIA 77		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 97	
Temperature: T = 60 °F	F _t = 1.000	n = 0.85	F _{pv} (From Tables) 1.009	Gravity .664	F _g = .9506

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

$$Q = (12.365) (77) (1.000) (.9506) (1.009) = \underline{913} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{790321}{780912} \right)^n = (913) (1.0120)^{.85} = (913) (1.0102)$$

$$Aof = \underline{922} \text{ MCF/D}$$

Note: Well blew 126.50 MCF dry gas to the atmosphere during test.

TESTED BY Johnson

WITNESSED BY _____

RECEIVED
AUG 25 1975
OIL CON. COM.
DIST. 3

[Signature]
Well Test Engineer