

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 8/11/72

Operator EL PASO NATURAL GAS COMPANY		Lease Reganzi #1	
Location 100/4, 1500/4, Sec. 12-27-94		County San Juan	State NM
Formation pinta		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6635	Tubing: Diameter 1.900	Set At: Feet 6556
Pay Zone: From 6313	To 6420	Total Depth: 6635	Shut In 8/11/72
Stimulation Method SEEP		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 4" or 2.750 plate		Choke Constant: C 41.10		Well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1837	+ 12 = PSIA 1909	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1855	+ 12 = PSIA 1867	
Flowing Pressure: P PSIG mr=68 wh=69	+ 12 = PSIA mr=30 wh=31		Working Pressure: P _w PSIG 267	+ 12 = PSIA 279	
Temperature: T=68 °F F _t =1.0224	n = .75		F _{pv} (From Tables) 1.010	Gravity .710 F _g =1.187	

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

$$Q = \text{Calculated from meter readings} = \underline{13} \text{ MCF/D}$$

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

$$Aof = \left(\frac{3606201}{3523360} \right)^n = (1.0221)^{.75} (13) = (1.0165)(13)$$

$$Aof = \underline{13} \text{ MCF/D}$$

NOTE: Well produced 9.47 bbl of 28.8 gravity oil during 3 hr test.

TESTED BY J. A. Jones Don Horton

WITNESSED BY _____

J. A. Jones
J. A. Jones
Well Test Engineer

