

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 30, 1966

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 28-6 Unit No. 122	
Location 1550'S, 1600'W. Sec. 15, T-28-N, R-6-W		County Rio Arriba	State New Mexico
Formation Bakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7950	Tubing: Diameter 2.375	Set At: Feet 7383
Pay Zone: From 7707	To 7389	Total Depth: 7950	Shut In 11-17-66
Stimulation Method Sand Water Treat		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2599	+ 12 = PSIA 2611	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 1853	+ 12 = PSIA 1865	
Flowing Pressure: P PSIG 375	+ 12 = PSIA 387	Working Pressure: Pw PSIG 1296	+ 12 = PSIA 1308		
Temperature: T = 70 °F Fr = .9905	n = .75	Fpv (From Tables) 1.033	Gravity .630 Fg = .9759		

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

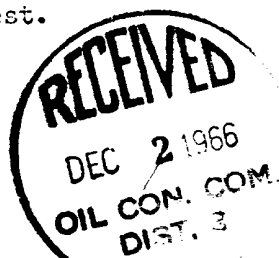
$$Q = (12.365)(387)(.9905)(.9759)(1.033) = \underline{4778} \text{ MCF/D}$$

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

$$Aof = \left(\frac{6817321}{5106457} \right)^n = (4778)(1.3350)^{.75} = (4778)(1.2419)$$

NOTE: Blew dead in app. 4 min. and then unloaded heavy slug of H₂O. Made light mist of H₂O and light hydrocarbons throughout test.

$$Aof = \underline{5934} \text{ MCF/D}$$

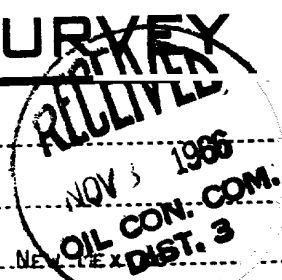
TESTED BY R. E. HendrickCHECKED BY H. N. McAnally

H. L. Kendrick
H. L. Kendrick

B. & R. SERVICE, INC.

TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS COMPANY
WELL SAN JUAN 28-5#122 FIELD
COUNTY SAN JUAN STATE NEW MEXICO
SEC. K-15 TWP. 28 N RGE. 6 W



APPROX. TOP CEMENT 3050'

Survey Begins at 2500 Ft. Ends at 3650' Ft.
Approx. Fill-Up Max. Temp. 130°@3450'
Log Measured From G.L. Run No. 1

Casing Size	Casing Depth	Diam of Hole	Depth
4 1/2" from	to	from	to
from	to	from	to

Date of Cementing OCTOBER 31, 1966 Time 6:00 A.M.
Date of Survey OCTOBER 31, 1966 Time 6:00 P.M.
Amount of Cement 175 SACKS Type CLASS C.
Amount of Admix Type
Recorded by WELDON Witnessed by

REMARKS OR OTHER DATA

TEMPERATURE IN DEGREES FAHRENHEIT

