

S. & R.
SALES & SERVICE

TEMPERATURE SURVEY

COMPANY

El Paso Natural Gas Co.

WELL

223

LEASE

San Juan 28-7 Unit

COUNTY

Rio Arriba

STATE

New Mexico

SEC

14-26

TWP

28N

RGE

7W

APPROX. TOP CEMENT

2230'

Survey Begins at

2000'

Ft. Ends at

7732'

Ft.

Approx. Fill-Up

Max. Temp.

Log Measured From

KP

Run No.

1

Casing Size

4 1/2"

from

Casing Depth

to

7.03'

Diam of Hole

6 1/8"

from

Depth

to

7308'

Date of Cementing

As Per Report

Date of Survey

4-10-77

Time

1:00 P.M.

Amount of Cement

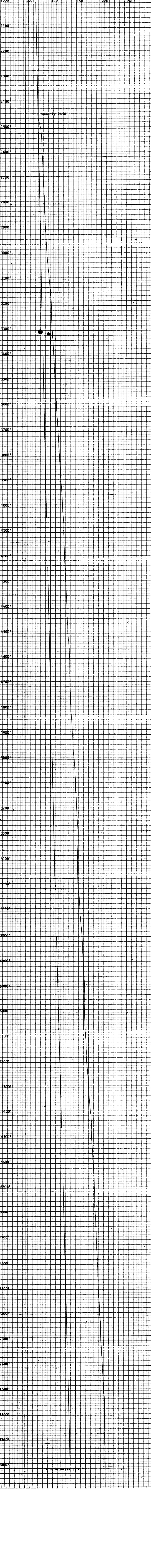
As Per Report

Recorded by

Wilson & Sanders

Witnessed by

REMARKS OR OTHER DATA



EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 23, 1977

Operator El Paso Natural Gas Company		Lease S.J. 28-7 Unit #223	
Location H NE 26-28-07		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4 1/2	Set At: Feet 7803'	Tubing: Diameter 1 1/2	Set At: Feet 7765'
Pay Zone: From 7576	To 7766'	Total Depth: 7803	Shut In 6-14-77
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 2635	+ 12 = PSIA 2647	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 2035	+ 12 = PSIA 2047	
Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: P _w PSIG	+ 12 = PSIA		
Temperature: T = °F Ft =	n =	Fpv (From Tables)	Gravity Fg =		

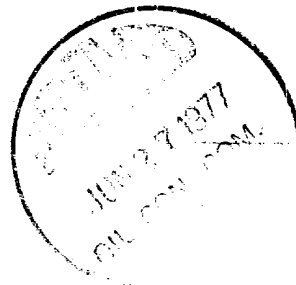
$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_t \times F_g \times F_{pv}$$

Q =

= _____ MCF/D

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

$$A_{of} = \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n =$$

A_{of} = _____ MCF/DTESTED BY J. Easley

WITNESSED BY _____

C. R. Wagner
Well Test Engineer