

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - SAN JUAN BASIN

Pool BASIN Formation DAKOTA County RA

Well Name SJ 27-5 UNIT #107 75652

Unit L S 13 T 27 R 5 Pay Zone 7639 To 7824 Flow String TUBING

Casing O D 4.500 I D 4.052 Set at 7876 Tubing O D 2.375 I D 1.995 L 7629 Top Perf.

Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of Pc	Comm. Designated Pc, psia	Period Of Test Flow	SIP Measured
50		From 09-22-67 To 09-30-67	06-27-67

Deadweight Flowing Pressure, psia _____ Flowing Pressure, psia _____

Casing _____ (a) Tubing _____ (b) Meter _____ (c) Chart _____ (d)

Deadweight Shut-In Pressures, psia

		Meter Error	Friction Loss
Casing	<u>2618</u> (j)	<u>0008</u> (e)	<u>0</u> (f)
Tubing	<u>2607</u> (k)		

7 Day-Avg. Flowing Pres., psia

Chart 490 (g) Corrected 490 (h) p, 490 (i) Gravity .678

G. L. = 5172 $1-e^{-5} =$.313 F_c 9.402 $(F_c Q)^2$ 17.901

$$(1 - e^{-5}) (F_C Q)^2 = R^2 = \underline{5603}$$
$$Q = \frac{450}{(\text{integrated})} \times \left[\frac{\sqrt{\frac{(c)}{(d)}}}{1} = \frac{1.0000}{1} = \frac{1.0000}{1} = \frac{450}{1} \right] = 450$$
$$D=Q \quad \frac{450}{1} \times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{5140443}{6608221} = \frac{(.7778)^n}{.8282} = \frac{373}{1}$$

REMARKS

New Well First Delivered 8-24-67.



SUMMARY

$P_c = 2618$
 $Q = 450$
 $P_w = 496$
 $P_d = 1309$
 $D = 373$

Company _____
By *W. H. H. H. H. H.* _____
Title **ARE GAS WELL TEST ENGINEER** _____
Witnessed By _____
Company _____

67283

75652 E

3411 F