

Initial
Deliverability Test

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

Pool BASIN Formation DAKOTA County RA

Well Name S J 23-5 UNIT #69 75695

Unit B S 33 T 28 R 5 Pay Zone 7632 To 7822 Flow String TUBING

Casing O D 4.500 I D 4.052 Set at 7881 Tubing O D 2.375 I D 1.995 L 7619 Top Perf.

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

Pd: % Of P_c 50 Comm. Designated P_c, psia _____ Period Of Test Flow From 12-05-67 To 12-13-67 SIP Measured 10-18-67

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 2571 (j) Tubing 2571 (k) 0006 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia _____
Chart 548 (g) Corrected 548 (h) P_f 548 (i) Gravity .678

G. L. = 5166 1-e^{-s} = .313 F_c 9.402 (F_cQ)² 95.238

(1-e^{-s}) (F_cQ)² = R² = 29809 P₁² = 300304 P₂² = 330113

$$Q = \frac{1038}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{1.0000}{1.0000} = \underline{1038}$$

$$D=Q \frac{1038}{\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_2^2)} \right]^n} = \left[\frac{4956245}{6279928} \right]^n = \frac{(.7892)^n}{.8373} = \underline{869}$$

REMARKS

New Well First Delivered 11-16-67.

OK



SUMMARY

P_c = 2571
Q = 1038
P_w = 575
P_d = 1286
D = 869

Company EL PASO NATURAL GAS CO
By H.L. MENDRICK, P.E.
Title AREA GAS WELL TEST ENGINEER
Witnessed By _____
Company _____

67361

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
| | | | | | |

75695

3682



THE UNIVERSITY OF CALIFORNIA LIBRARY

UNIVERSITY OF CALIFORNIA LIBRARY

1000 UNIVERSITY AVENUE
LIBRARY
DURHAM, N.C. 27708