

Initial
Deliverability Test

FORM C-122-A
EL PASO 11-1-62

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

Pool Basin Formation Dakota County San Juan
Well Name Ludrick No. 19 73-078
Unit B S 5 T 20 R 10 Pay Zone 6692 To 6904 Flow String Tubing
Casing O D 4.500 I D 4.052 Set at 6951 Tubing O D 2.375 I D 1.995 L 6733 Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 50 Comm. Designated P_c, psia 934 Period Of Test Flow From 12-8-64 To 12-16-64 SIP Measured 7-16-64

Deadweight Flowing Pressure, psia
Casing 934 (a) Tubing 924 (b) Meter 497 (c) Chart 497 (d)

Deadweight Shut-In Pressures, psia
Casing 934 (j) Tubing 924 (k) Meter Error 497 (e) Friction Loss 497 (f)

7 Day-Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) P_f 497 (i) Gravity .715

G. L. = 4814 1-e^{-s} = .295 F_c 9.402 (F_cQ)² 3.972

(1-e^{-s}) (F_cQ)² = R² = 1172 P_i² = 247009 P_e² = 248181

$$Q = \frac{212}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{212}{1} = 212$$

$$D=Q \frac{212}{\left[\frac{(P_i^2 - P_e^2)}{(P_i^2 - P_w^2)} \right]^n} = \frac{212}{\left[\frac{654267}{624175} \right]^n} = \frac{212}{1.0359} = 220$$

REMARKS

Installed piston installation.

SUMMARY

P_c = 934
Q = 212
P_w = 498
P_d = 467
D = 220

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title SENIOR GAS ENGINEER
Witnessed By _____
Company _____


