

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

Pool Aztec Formation Pictured Cliffs County San Juan
Well Name Nrudecker No. 1 70-132
Unit B S 14 T 29 R 10 Pay Zone 2414 To 2454 Flow String Tubing
Casing O D 5.500 I D 4.950 Set at 3987 Tubing O D 1.660 I D 1.380 L 2453 Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia 80 Period Of Test Flow From 10-21-64 To 10-29-64 SIP Measured 4-9-63

Deadweight Flowing Pressure, psia
Casing 588 (a) Tubing 588 (b) Meter 242 (c) Chart 242 (d)
Deadweight Shut-In Pressures, psia
Casing 588 (j) Tubing 588 (k) Meter Error 242 (e) Friction Loss 174 (f)

7 Day-Avg. Flowing Pres., psia
Chart 242 (g) Corrected 242 (h) P₁ 242 (i) Gravity .648

G. L. = 1590 1-e⁻⁴ = .109 F_c 24.621 (F_cQ)² 18.353

(1-e⁻⁴) (F_cQ)² = R² = 2000 P₁² = 58564 P₂² = 60564

Q = $\frac{174}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 174$

D=Q $\frac{174}{\left[\frac{(P_1^2 - P_2^2)}{(P_1^2 - P_2^2)} \right]^n} = \frac{124844}{285180} = \frac{(.4377)}{.4953} = 86$

REMARKS

Installed intermitter on wellhead. Turned back on production 10-1-64.



SUMMARY

P_c = 588
Q = 174
P_w = 246
P_d = 470
D = 86

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

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