

Initial
Deliverable Test

V

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

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

Pool Blanco Formation Mesa Verde County San Juan

Well Name Hughes No. 4-A 70-571

Unit A S 34 T 29 R 0 Pay Zone 4956 To 5510 Flow String Tubing

Casing O D 7.000 I D 6.366 Set at 4900 Tubing O D 2.375 I D 1.995 L 5005 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 Period Of Test Flow From 5/21/64 To 5/29/64 SIP Measured 2/19/63

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 899 (j) Tubing 895 (k) (e) (f)

7 Day-Avg. Flowing Pres., psia

Chart 469 (g) Corrected 469 (h) P_f 469 (i) Gravity .688

G. L. = 343 1-e^{-s} = .222 F_c 9.402 (F_cQ)² 23.629

(1-e^{-s}) (F_cQ)² = R² = 5246 P₁² = 219961 P₂² = 225207

Q = $\frac{517}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 517$

D=Q 517 $\times \left[\frac{(P_1^2 - P_2^2)}{(P_1^2 - P_2^2)} \right]^n = \left[\frac{291240}{582994} \right]^n = \frac{(4995)^n}{.5940} = 307$

REMARKS

Perforated tubing with 1/4" holes at following depths: 5065, 5035 and 5005.
Turned back on production 4-13-64.

SUMMARY

P_c = 899
Q = 517
P_w = 475
P_d = 719
D = 307

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


