

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, CHACRA, FARMINGTON
& ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA & UTE DOME.)

Pool Aztec Formation Pictured Cliffs County San Juan
Well Name Forrest No. 1 70-357
Unit E S 35 T 30 R 11 Pay Zone 2209 To 2387 Flow String Casing
Casing O D 7.000 Wt 20.0 Set at 2209 Tubing O D 2.375 Wt 4.7 L 2260 Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas.

Period of test flow

SIP Measured

From 4-30-63 To 5-8-63 7-23-62

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 306 (j) Tubing 306 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 242 (g) Corrected 242 (h) P_t 242 (i) Gravity .655

FRICTION NEGLIGIBLE

G. L. = _____ $1 - e^{-\frac{L}{R}}$ = _____ $(F_c Q)^2$ = _____

$(1 - e^{-\frac{L}{R}}) (F_c Q)^2 = R^2 =$ _____ $P_w^2 =$ _____ $P_w^2 =$ Use P_t^2

$Q = \frac{45}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{15}{1}$

$D = Q \frac{45}{1} \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N \cdot \frac{2.0023}{1.8030} \right) = \frac{81}{1}$

Intermitter installed. Turned back on Production 4-10-63

SUMMARY

 $P_c =$ 306 psia $Q =$ 45 MCF/D $P_w =$ 242 psia $P_d =$ 153 psia $D =$ 81 MCF/D

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. Kendrick
Area Gas Well Test Engineer

RECEIVED

MAY 24 1963