

Initial
Deliverability Test

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

FORM C-22-A
(EL PASO - 2-1-61)

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

Pool East El Paso Formation Pictured Cliff County El Paso
Well Name San Juan Unit 50-4 No. 10 72-170
Unit 8 S 27 T 30 R 4 Pay Zone 4100 To 4200 Flow String 2000
Casing O D 7.0 Wt 80.0 Set at 4100 Tubing O D 2.375 Wt 4.7 L 4300 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 10-23-62 To 10-31-62 2-27-62

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 1000 (j) Tubing 1000 (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 440 (g) Corrected 440 (h) P_t 440 (i) Gravity 0.88

FRICTION LOSS

G. L. = $1-e^{-s} =$ $(F_c Q)^2 =$

$(1-e^{-s})(F_c Q)^2 = R^2 =$ $P_i^2 =$ $P_w^2 =$ 200 7.2

$Q =$ 113 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \frac{(c)}{(d)} = \frac{(c)}{(d)} \right] =$ 113

$D = Q$ 113 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right) =$ 106

An intermitter was installed. Turned back on production 9-12-62

SUMMARY

$P_c =$ 2030 psia
 $Q =$ 113 MCF/D
 $P_w =$ 440 psia
 $P_d =$ 525 psia
 $D =$ 106 MCF/D

Company EL PASO NATURAL GAS COMPANY
By
Title Mr. L. L. Hendrick
Witnessed By
Company



