

Initial
Deliverability Test

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

FORM C-122-A
(EL PASO - 2-1461)

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

Pool Astos Formation Pictured Cliffs County San Juan
Well Name Hammock No. 8 73-380
Unit B S 23 T 28 R 9 Pay Zone 2138 To 2186 Flow String Casing
Casing O D 2.875 Wt 6.4 Set at 1582 Tubing O D None Wt L Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas. Period of test flow From 12-19-62 To 12-27-62 SIP Measured 8-2-62

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 757 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia
Chart 221 (g) Corrected 221 (h) P_t 221 (i) Gravity .612

G. L. = 1565 $1-e^{-s} =$.106 $(F_c Q)^2 =$ 5.722

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 618 $P_i^2 =$ 1.8841 $P_w^2 =$ 1.9159

$Q =$ 431 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \frac{(c)}{(d)} = \frac{(c)}{(d)} \right] =$ 431

$D = Q$ 431 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{1.79408}{5.23590} \right)^N = \frac{.8201}{.8450} =$ 364



SUMMARY

$P_c =$ <u>757</u> psia	Company <u>EL PASO NATURAL GAS COMPANY</u>
$Q =$ <u>431</u> MCF/D	By <u>H. L. Lundquist</u>
$P_w =$ <u>222</u> psia	Title <u>Sr. Gas Engineer</u>
$P_d =$ <u>379</u> psia	Witnessed By <u> </u>
$D =$ <u>364</u> MCF/D	Company <u> </u>

