

GAS WELL TEST DATA SHEET — SAN JUAN BASIN (TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Initial
Deliverability Test

71287 Pool BALLARD Lease HUERFANO No. 50
Formation PC Unit H S22 T26 R 09 Pay Zone 1965 to 2025 Cty. 5J
Casing - OD 7000 Wt. 2000 Set at 1965 Tubing - OD 1250 Wt. 0230 L 1979 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 082260 To 083060 S.I.P. Measured 021460 Prod. String O.D. 7.000

Deadweight Flowing Pressure, psia
Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 20.00

Flowing Pressure, psia
Chart _____ (d) Tubing 393 (k) Deadweight Shut-in Pressure, psia Casing 393 (j) Length 1965

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
Chart 231 (g) Corrected 231 (h)

FRICITION CALCULATION

Grav. .642 $P_t =$ 231 (i) $G_L =$ 1262 $(1-e^{-5}) =$.088

$(F_c Q)^2 =$ 321 $(1-e^{-5}) (F_c Q)^2 = R^2 =$ 28 $P_t^2 =$ 53361 $P_w^2 =$ 53389

FLOW RATE CALCULATION

$Q =$ $\frac{1005}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} = 1005$

DELIVERABILITY CALCULATION

$D = Q$ 1005 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.1439}{1.1210} = 1127$

Differential Valves were installed, turned back on Production 8/7/60

SUMMARY

$P_c =$ 393

$Q =$ 1005

$P_w =$ 231

$P_d =$ 197

$D =$ 1127

D at 250 or 500 874

Note:
250# for P.C.
500# for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____



