

NEW MEXICO OIL CONSERVATION COMMISSION

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

70390 Pool BLANCO MV Lease 30 6 MCELVAIN A No. 6

Formation MV Unit L S 25 T 30 R 07 Pay Zone 5122 to 5601 Cty. RA

Casing - OD 7000 Wt. 2000 Set at 3091 Tubing - OD 2000 Wt. 0470 L 5511 (T. Perf.)

Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 033060 To 040760 S.I.P. Measured 050669 Prod. String O.D. 2.000

Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Wt. 4.70

Flowing Pressure, psia
Chart (d) Tubing 861 (k) Deadweight Shut-in Pressure, psia Casing 873 (j) Length 5511

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 555 (g) Corrected 555 (h)

FRICTION CALCULATION

Grav. .665 $P_t =$ 555 (i) GL = 3665 $(1-e^{-s}) =$.234

$(F_c Q)^2 =$ 5929 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 1387 $P_t^2 =$ 308025 $P_w^2 =$ 309412

FLOW RATE CALCULATION

$Q =$ 259 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 259

DELIVERABILITY CALCULATION

$D = Q$ 259 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.2862 $=$ 1.2862 313

Intermitter installed 11/19/59

SUMMARY

$P_c =$ 861

$Q =$ 259

$P_w =$ 556

$P_d =$ 431

$D =$ 313

D at 250 or 500 279

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



