

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

70218 Pool BLANCO Lease FLORANCE C No. 1
 Formation MV Unit A S 19 T 28 R 08 Pay Zone 3775 to 4582 Cty. SJ
 Casing - OD 7000 Wt. 2300 Set at 3740 Tubing - OD 2000 Wt. 0470 L 3482 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow From 083060 To 090760 S.I.P. Measured 052260 Prod. String O.D. 2.000

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

Flowing Pressure, psia Chart (d) Deadweight Shut-in Pressure, psia Tubing 751 (k) Casing 930 (j) Length 3482

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 483 (g) Corrected 483 (h)

FRICTION CALCULATION

Grav. .723 $P_t =$ 483 (i) $GL =$ 2517 $(1-e^{-1}) =$.167

$(F_c Q)^2 =$ 2496 $(1-e^{-1})(F_c Q)^2 = R^2 =$ 417 $P_t^2 =$ 233289 $P_w^2 =$ 233706

FLOW RATE CALCULATION

$Q =$ 168 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 1.0000 $=$ 1.0000 $=$ 168

DELIVERABILITY CALCULATION

$D = Q$ 168 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.2779 $=$ 1.2019 $=$ 202

Perforated tubing at following depths: 3482 & 3515. Turned back on production 8/15/60.

SUMMARY

$P_c =$ 751
 $Q =$ 168
 $P_w =$ 483
 $P_d =$ 376
 $D =$ 202

D at 250 or 500 157

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

Company EL PASO NATURAL GAS CO.

By H. L. NEMBRICK

Title GAS ENGINEER

Witnessed By

Company



