

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

70184 Pool BLANCO Lease DAWSON A No. 1
 Formation MV Unit L S 17 T 29 R 07 Pay Zone 5310 to 6297 Cty. RA
 Casing - OD 7000 Wt. 2000 Set at 5197 Tubing - OD 2000 Wt. 0470 L 5184 (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 032960 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 868 (k) Casing 740 (j) Length 5184
 Deadweight Shut-in Pressure, psia

Meter Error

0

(e)

Friction Loss

0

(f)

7 Day Avg. Flowing Pres., psia

519

(g)

Corrected

519

(h)

FRICITION CALCULATION

Grav. .678 $P_t =$ 519 (i) $GL =$ 3515 $(1-e^{-s}) =$.226

$(F_c Q)^2 =$ 13653 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 3086 $P_t^2 =$ 269361 $P_w^2 =$ 272447

FLOW RATE CALCULATION

$Q =$ 393 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 393

DELIVERABILITY CALCULATION

$D = Q$ 393 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{1.1748}{1.1284} =$ 443

Perforated tubing,
Returned to Production on August 4, 1960.

SUMMARY $P_c =$ 868 $Q =$ 393 $P_w =$ 522 $P_d =$ 434 $D =$ 443D at 250 or 500 397

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEERWitnessed By Company 

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