

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

70097 Pool BLANCO MV Lease HUGHES No. 2

Formation MV Unit A 19 29 08 Pay Zone 4725 to 5472 Cty. SJ

Casing - OD 7000 Wt. 2300 Set at 4682 Tubing - OD 2000 Wt. 0470 L 5255 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow

From 112160 To 112960 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 871 (k) Casing 875 (j) Length 5255

Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 469 Chart 469 (g) Corrected 469 (h)

FRICTION CALCULATION

Grav. .683 $P_t =$ 469 (i) $GL =$ 3589 $(1-e^{-s}) =$.230

$(F_c Q)^2 =$ 4084 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 939 $P_t^2 =$ 219961 $P_w^2 =$ 220900

FLOW RATE CALCULATION

$Q =$ 215 $\times \sqrt{\frac{(c)}{(d)}} \frac{1.0000}{1.0000} =$ 215

DELIVERABILITY CALCULATION

$D = Q$ 215 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.0572 $=$ 1.0426 224

Intermittent installed 11-8-60.

SUMMARY

$P_c =$ 871

$Q =$ 215

$P_w =$ 470

$P_d =$ 436

$D =$ 224

D at 250 or 500 202

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.

H. L. KENDRICK

By GAS ENGINEERTitle Witnessed By Company 

STATE OF NEW YORK - SENATE

OFFICE OF THE CLERK OF THE SENATE
ALBANY, NEW YORK

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JANUARY 1961
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