

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

70679 Pool BLANCO Lease BOLACK No. 2
Formation MV Unit A S 33 T 29 R 07 Pay Zone 4806 to 5511 Cty. RA
Casing - OD 7000 Wt. 2000 Set at 4765 Tubing - OD 2000 Wt. 0470 L 4788 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 120760 To 121560 S.I.P. Measured 090660 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 775 (k) Casing 777 (j) Length 4788
Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 540 Chart 540 (g) Corrected 540 (h)

FRICTION CALCULATION

Grav. .699 $P_t =$ 540 (i) $GL =$ 3347 $(1-e^{-s}) =$.216

$(F_c Q)^2 =$ 2586 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 559 $P_t^2 =$ 291600 $P_w^2 =$ 292159

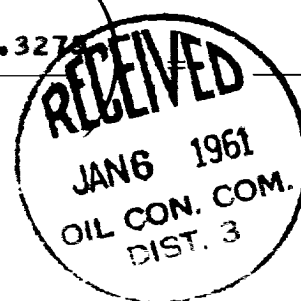
FLOW RATE CALCULATION

$Q =$ 171 $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 1.0000 $=$ 171

DELIVERABILITY CALCULATION

$D = Q$ 171 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.4590 $=$ 1.3275 227

Intermitter installed 11-15-60.



SUMMARY

$P_c =$ 775
 $Q =$ 171
 $P_w =$ 541
 $P_d =$ 388
 $D =$ 227

D at 250 or 500 183
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 _____

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