

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122-A
(EL PASO)

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT
BARKER DOME STORAGE AREA)

72278 Pool BLANCO Lease SAN JUAN 27 5 MV No. 38
Formation MV Unit G S 16 T 27 R 05 Pay Zone 5078 to 5744 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 5807 Tubing - OD 2000 Wt. 0470 L 5691 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 080740 To 081560 S.I.P. Measured 061460 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 740 (k) Casing (j) Length 5691
Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
Chart 533 (g) Corrected 533 (h)

FRICTION CALCULATION

Grav. .685 $P_t =$ 533 (i) $GL =$ 3898 $(1-e^{-x}) =$.247
 $(F_c Q)^2 =$ 13587 $(1-e^{-x}) (F_c Q)^2 = R^2 =$ 3356 $P_t^2 =$ 284089 $P_w^2 =$ 287445

FLOW RATE CALCULATION

$Q =$ 392 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 392

DELIVERABILITY CALCULATION

$D = Q$ 392 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{1.5786}{1.4083} =$ 552

An Intermittent was installed - Turned on production 7/15/60.

SUMMARY

$P_c =$ 740
 $Q =$ 392
 $P_w =$ 536
 $P_d =$ 370
 $D =$ 552

D at 250 or 500 416
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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