

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
0 W W O

71403 Pool BLANCO Lease SAN JUAN 29 S 27 No. 14
Formation MV Unit G S 27 T 29 R 05 Pay Zone 5696 to 6148 Cty. RA
Casing - OD 5500 Wt. 1400 Set at 6259 Tubing - OD 2000 Wt. 0470 L 6124 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 042160 To 042960 S.I.P. Measured 080662⁵⁹ 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 722 (k) Casing 822 (j) Length 6124
Deadweight Shut-in Pressure, psia

Meter Error _____ (e) Friction Loss _____ (f) 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 555 (g) Corrected 555 (h)

FRICTION CALCULATION

Grav. .666 $P_t =$ 555 (i) GL = 4079 $(1-e^{-x}) =$.257

$(F_c Q)^2 =$ 920 $(1-e^{-x}) (F_c Q)^2 = R^2 =$ 236 $P_t^2 =$ 308025 $P_w^2 =$ 308261

FLOW RATE CALCULATION

$Q =$ 102 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 102
(integrated)

DELIVERABILITY CALCULATION

$D = Q$ 102 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.8332}{1.5754} =$ 161

Unable to obtain 25% drawdown
SUMMARY

$P_c =$ 722
 $Q =$ 102
 $P_w =$ 555
 $P_d =$ 361
 $D =$ 161

D at 250 or 500 118

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 118



