

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

74749 Pool SOUTH BLANCO Lease JICARILLA G No. 15
Formation PC Unit G S14 T26 R05 Pay Zone 3826 to 3866 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 3926 Tubing - OD 1250 Wt. 240 L 3829 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 012259 To 013059 S.I.P. Measured 102858 Prod. String O.D. 1.250

Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Wt. 2.40

Flowing Pressure, psia
Chart (d) Tubing 1043 (k) Casing 1043 (j) Length 3829

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
Chart 238 (g) Corrected 238 (h)

FRICTION CALCULATION

Grav. .694 $P_t =$ 238 (i) $GL =$ 2657 $(1-e^{-s}) =$.176

$(F_c Q)^2 =$ 23523 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 4140 $P_t^2 =$ 56644 $P_w^2 =$ 60784

FLOW RATE CALCULATION

$Q =$ 197 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{.0000}{.0000}} =$.0000 $=$ 197

DELIVERABILITY CALCULATION

$D = Q$ 197 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.7938 $=$.8217 $=$ 104

SUMMARY

$P_c =$ 1043

$Q =$ 197

$P_w =$ 247

D at 250 or 500 195

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

DATE 10/10/2001 BY 60322 UCBAW/STP

