

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

72657 Pool BLANCO Lease SAN JUAN 31 & 3 No. 18
 Formation MV Unit K S 03 T 30 R 06 Pay Zone 5476 to 5644 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 5724 Tubing - OD 2000 Wt. 0470 L 5629 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 100760 To 101560 S.I.P. Measured 071360 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 1056 (k) Casing 1056 (j) Length 5629
 Deadweight Shut-in Pressure, psia

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .585 $P_i =$ 490 (i) $GL =$ 3293 $(1-e^{-x}) =$.213

$(F_c Q)^2 =$ 2445 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 525 $P_i^2 =$ 240100 $P_w^2 =$ 240625

FLOW RATE CALCULATION

$Q =$ 167 $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} =$ 1.0000 $=$ 167

DELIVERABILITY CALCULATION

$D = Q$ 167 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9563 $=$.9670 $=$ 161

SUMMARY

$P_c =$ 1056
 $Q =$ 167
 $P_w =$ 491
 $P_d =$ 528
 $D =$ 161

D at 250 or 500 164

Note:
 250 # for P.C.
 500 # for M.V.

RECEIVED
 NOV 7 1960
 OIL CON. COM.
 COMPANY EL PASO NATURAL GAS CO.
 BY H. L. MENDRICK
 TITLE GAS ENGINEER
 WITNESSED BY _____
 COMPANY _____

164
 B/L

