

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

72693 Pool UNDESIGNATED Lease WESTERN POOL UNIT B No. 1
 Formation DK Unit H S 08 T 26 R 11 Pay Zone 6166 to 6202 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 6398 Tubing - OD 2000 Wt. 0470 L 6232 (T. Perf.)
 Operator EL PASO NATURAL GAS/CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 103060 To 110760 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 1977 (k) Casing 1978 (j) Length 6232
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 483 Chart (g) Corrected 483 (h)

FRICTION CALCULATION

Grav. .694 $P_t =$ 483 (i) GL = 4325 $(1-e^{-s}) =$.270

$(F_c Q)^2 =$ 2199329 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 593819 $P_t^2 =$ 233289 $P_w^2 =$ 827108

FLOW RATE CALCULATION

$Q =$ 4988 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 4988

DELIVERABILITY CALCULATION

$D = Q$ 4988 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.9509}{.9629} =$ 4803

SUMMARY

$P_c =$ 1977
 $Q =$ 4988
 $P_w =$ 909
 $P_d =$ 989
 $D =$ 4803

D at 250 or 500 4958

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

5005



Company EL PASO NATURAL GAS CO.
 By H. L. KENDRICK

Title GAS ENGINEER
El Paso Natural Gas Company

Witnessed By John J. Strojek

Company El Paso Natural Gas Products Co.

