

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

70307 Pool AZTEC Lease LLOYD D No. 1
 Formation PC Unit 0 S 21 T 30 R 11 Pay Zone 2153 to 2206 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 2152 Tubing - OD 1250 Wt. 6240 L 2206 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow S.I.P. Measured Prod. String
 From 040759 To 041559 041359 O.D. 5.500

Deadweight Flowing Pressure, psia
 Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 15.50

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart _____ (d) Tubing 596 (k) Casing 596 (j) Length 2152

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 211 (g) Corrected 211 (h)

FRICTION CALCULATION

Grav. .651 $P_t =$ 211 (i) GL = 1401 $(1-e^{-x}) =$.097

$(F_c Q)^2 =$ 13 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 1 $P_i^2 =$ 44521 $P_w^2 =$ 44522

FLOW RATE CALCULATION

$Q =$ 91 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 91

DELIVERABILITY CALCULATION

$D = Q$ 91 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8574 $=$.8771 $=$ 80

SUMMARY

$P_c =$ 596
 $Q =$ 91
 $P_w =$ 211
 $P_d =$ 298
 $D =$ 80

D at 250 or 500 85

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 _____



