

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)

0304 Pool AZTEC Lease SIMMONS No. 1
 Formation PC Unit F S17 T30 R11 Pay Zone 1964 to 2006 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 1950 Tubing - OD 2000 Wt. 470 L 1990 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 052260 To 053060 S.I.P. Measured 032269
032259 Prod. String O.D. 5.500

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

Flowing Pressure, psia
 Chart _____ (d) Tubing 391 (k) Casing 391 (j) Length 1950
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 221 (g) Corrected 221 (h)

FRICTION CALCULATION

Grav. .655 $P_t =$ 221 (i) $GL =$ 1277 $(1-e^{-s}) =$.089

$(F_c Q)^2 =$ 57 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 5 $P_t^2 =$ 48841 $P_w^2 =$ 48846

FLOW RATE CALCULATION

$Q =$ 140 $\times \sqrt{\frac{(c)}{(d)}} =$ 1.0000 $=$ 1.0000 $=$ 140
 (integrated)

DELIVERABILITY CALCULATION

$D = Q$ 140 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.1002 $=$ 1.0845 $=$ 152

Gas lift valves were installed to remove water from the wellbore.

SUMMARY

 $P_c =$ 391 $Q =$ 140 $P_w =$ 221 $P_d =$ 196 $D =$ 152D at 250 or 500 117

Note:

250± for P.C.

500± for M.V.

Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

Company _____



