

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

74954 Well BALLARD Lease TURNER STATE 32 No. 15
 Formation PC Unit C S 32 T 27 R 09 Pay Zone 2286 to 2324 Cty. 5J
 Casing - OD 5500 Wt. 1550 Set at 2359 Tubing - OD 1000 Wt. 0168 L 2260 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 031560 To 032260 S.I.P. Measured 091069 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 559 (k) Casing 559 (j) Length 2286
 Deadweight Shut-in Pressure, psia
 Meter Error 0 (e) Friction Loss 0 (f) Chart 249 (g) Corrected 249 (h)
 7 Day Avg. Flowing Pres., psia

FRICTION CALCULATION

Grav. .670 $P_t =$ 249 (i) GL = 1532 $(1-e^{-s}) =$.105

$(F_c Q)^2 =$ 2 $(1-e^{-s})(F_c Q)^2 = R^2 =$ $P_t^2 =$ 62001 $P_w^2 =$ 62001

FLOW RATE CALCULATION

$Q =$ 37 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 37
 (integrated)

DELIVERABILITY CALCULATION

$D = Q$ 37 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.9345 $=$.9440 $=$ 35

SUMMARY

$P_c =$ 559
 $Q =$ 37
 $P_w =$ 249
 $P_d =$ 280
 $D =$ 35

D at 250 or 500 36

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

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

RECEIVED - MAY 1 1980

RECEIVED - MAY 1 1980

