

Initial
Deliverability Test

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT
BARKER DOME STORAGE AREA)

72624 Pool UNDESIGNATED Lease NCRA No. 1
 Formation DAKOTA Unit A S03 T26 R07 Pay Zone 7256 to 7336 Cty. RA
 Casing - OD 5500 Wt. 1700 Set at 7480 Tubing - OD 2000 Wt. 0470 L 7267 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. **PRODUCTS** Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 071560 To 072260 S.I.P. Measured 032860 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 2517 (k) Casing 2503 (j) Length 7267
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 526 (g) Corrected 526 (h)

FRICTION CALCULATION

Grav. .687 $P_t =$ 526 (i) GL = 4992 $(1-e^{-s}) =$.304

$(F_c Q)^2 =$ 28516 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 8669 $P_t^2 =$ 276676 $P_w^2 =$ 285345

FLOW RATE CALCULATION

$Q =$ 568 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 568

DELIVERABILITY CALCULATION

$D = Q$ 568 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{.8340}{.7851} =$ 474

SUMMARY

$P_c =$ 2517
 $Q =$ 568
 $P_w =$ 534
 $P_d =$ 1259
 $D =$ 474

D at 250 or 500 569

Note:

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

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By

John J. Strajek

Company El Paso Natural Gas Products Co.



