

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122-A
(EL PASO)

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

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

72024

Initial
Deliverability Test

Pool BLANCO Lease SUNRAY E MV No. 2
 Formation MV Unit L 09 30 10 Pay Zone 4585 to 5304 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 5426 Tubing - OD 2000 Wt. 5470 L 5306 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 101560 To 102260 S.I.P. Measured 061560 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 572 (k) Casing 962 (j) Length 5306
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 456 (g) Corrected 456 (h)

FRICTION CALCULATION

Grav. .704 $P_t =$ 456 (i) $GL =$ 3735 $(1-e^{-s}) =$.238

$(F_c Q)^2 =$ 3936 $(1-e^{-s}) (F_c Q)^2 = R^2 =$ 937 $P_t^2 =$ 207936 $P_w^2 =$ 208873

FLOW RATE CALCULATION

$Q =$ 211 $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} =$ 1.0000 $=$ 211

DELIVERABILITY CALCULATION

$D = Q$ 211 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 2.0740 $=$ 1.7282 $=$ 365

SUMMARY

$P_c =$ 572
 $Q =$ 211
 $P_w =$ 457
 $P_d =$ 286
 $D =$ 365

D at 250 or 500 134

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

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