

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

72661 Pool BLANCO Lease SAN JUAN 31 6 32 No. 19

Formation MV Unit A S 32 T 31 R 06 Pay Zone 5438 to 5688 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 5800 Tubing - OD 2000 Wt. 0470 L 5668 (T. Perf.)

Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow From 090760 To 091560 S.I.P. Measured 061060 Prod. String O.D. 2.000

Deadweight Flowing Pressure, psia Casing (a) Tubing (b) Meter (c) Wt. 4.70

Flowing Pressure, psia Chart (d) Deadweight Shut-in Pressure, psia Tubing 1122 (k) Casing 1120 (j) Length 5668

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 522 (g) Corrected 522 (h)

FRICTION CALCULATION

Grav. .585 $P_t =$ 522 (i) $GL =$ 3316 $(1-e^{-s}) =$.214

$(F_c Q)^2 =$ 9278 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 1985 $P_t^2 =$ 272484 $P_w^2 =$ 274469

FLOW RATE CALCULATION

$Q =$ 324 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 324

DELIVERABILITY CALCULATION

$D = Q$ 324 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9591 $=$.9691 $=$ 314

SUMMARY

$P_c =$ 1122
 $Q =$ 324
 $P_w =$ 524
 $P_d =$ 561
 $D =$ 314

D at 250 or 500 326

Note:
250 $\pm$ for P.C.
500 $\pm$ for M.V.

Company EL PASO NATURAL GAS CO.
By H. L. KENDRICK
Title GAS ENGINEER
Witnessed By
Company



