

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

71013 Pool BLANCO MV Lease ATLANTIC C No. 4
 Formation MV Unit N S 31 T 31 R 10 Pay Zone 4296 to 5080 Cty. SJ
 Casing - OD 7000 Wt. 2300 Set at 4890 Tubing - OD 2000 Wt. 9470 L 5013 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 032161 To 032961 S.I.P. Measured 072260 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 655 (k) Casing 659 (j) Length 5013
 Deadweight Shut-in Pressure, psia

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 504 (g) Corrected 504 (h)

FRICTION CALCULATION

Grav. .680

$P_t =$ 504 (i)

GL = 3409

$(1-e^{-s}) =$.220

$(F_c Q)^2 =$ 3501

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 770

$P_t^2 =$ 254016

$P_w^2 =$ 254706

FLOW RATE CALCULATION

$Q =$ 199 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1.0000}{1.0000} =$ 199

DELIVERABILITY CALCULATION

$D = Q$ 199 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{1.8448}{1.5829} =$ 315

Unable to obtain 25% drawdown

Interruption installed, turned back on Production 3-7-61.

SUMMARY

$P_c =$ 655

$Q =$ 199

$P_w =$ 505

$P_d =$ 328

$D =$ 315

D at 250 or 500 192

Note:

250 # for P.C.

500 # for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____



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