

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

72833 Pool BASIN Lease HUERFANO UNIT No. 115
 Formation DK Unit C S12 T26 R10 Pay Zone 6748 to 6872 Cty. SJ
 Casing - OD 7000 Wt. 2300 Set at 7005 Tubing - OD 2000 Wt. 9470 L 6856 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow S.I.P. Measured Prod. String
 From 022661 To 030661 111860 O.D. 2.000

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

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart _____ (d) Tubing 1862 (k) Casing 1862 (j) Length 6856

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 483 (g) Corrected 483 (h)

FRICTION CALCULATION

Grav. .695 $P_t =$ 483 (i) $GL =$ 4765 $(1-e^{-s}) =$.293

$(F_c Q)^2 =$ 13513 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 3959 $P_t^2 =$ 233289 $P_w^2 =$ 237248

FLOW RATE CALCULATION

$Q =$ 391 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 391

DELIVERABILITY CALCULATION

$D = Q$ 391 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8050}{.8498} =$ 332

SUMMARY

$P_c =$ 1862
 $Q =$ 391
 $P_w =$ 487
 $P_d =$ 931
 $D =$ 332

D at 250 or 500 388

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

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

Witnessed By _____

Company _____

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