

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

72672 Pool SOUTH BLANCO Lease SAN JUAN 28 6 PC No. 97
Formation PC Unit B S 35 T 28 R 06 Pay Zone 3382 to 3418 Cty. RA
Casing - OD 7625 Wt. 2640 Set at 3587 Tubing - OD 1250 Wt. 0240 L 3393 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 122260 To 123060 S.I.P. Measured 090860 Prod. String 1.250
O.D. 2.40
Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Wt. 2.40
Flowing Pressure, psia
Chart (d) Tubing 1116 (k) Deadweight Shut-in Pressure, psia 1116 (j) Length 3393

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 563 Chart 563 (g) Corrected 563 (h)

FRICITION CALCULATION

Grav. .643 $P_t =$ 563 (i) GL = 2182 $(1-e^{-s}) =$.147

$(F_c Q)^2 =$ 265625 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 39047 $P_t^2 =$ 316969 $P_w^2 =$ 356016

FLOW RATE CALCULATION

$Q =$ 662 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 662

DELIVERABILITY CALCULATION

$D = Q$ 662 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.0502}{1.0425} =$ 690

SUMMARY

$P_c =$ 1116
 $Q =$ 662
 $P_w =$ 597
 $P_d =$ 558
 $D =$ 690

810
D at 250 or 500

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 _____



clw

RECEIVED

JAN 24 1961

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