Form C-122-A (EL PASO)

Initial Deliverability Test

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)

72276 Pool BLANCO Lease REID No. 1

Formation MV Unit M S 08 T 28 R 09 Pay Zone 4194 to 4720 Cty. SJ

Casing - OD 5500 Wt. 1550 Set at 4756 Tubing - OD 2000 Wt. 0470 L 4664 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 012259 To 013059

S.I.P. Measured: 080958

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 1024 (k) Casing 1023 (j)

Length 4664

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 555 (g) Corrected 555 (h)

FRICTION CALCULATION

Grav. .698 P_t = 555 (i) GL = 3255 $(1-e^{-s})$ = .211

$(F_cQ)^2$ = 1682 $(1-e^{-s})(F_cQ)^2 = R^2$ = 355 P_t^2 = 308025 P_w^2 = 308380

FLOW RATE CALCULATION

$Q = \underset{\text{(integrated)}}{138} \times \left[\sqrt{\frac{(c)}{(d)}} \quad .0000 = .0000\right] = 138$

DELIVERABILITY CALCULATION

$D = Q \quad 138 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.0619\right]^N = 1.0460\right) = 144$

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MAR 12 1959
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 1024

Q = 138

P_w = 555

P_d = 512

D = 144

D at 250 or 500 144

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

Company EL PASO NATURAL GAS CO.

By W. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____