(- PASO)

NEW MEXICO OIL CONSERVATION COMMISSION

Initial Deliverability Test

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

71650 Pool BLANCO Lease SAN JUAN 28 6 No. 75

Formation MV Unit N S 03 T 27 R 06 Pay Zone 4620 to 5378 Cty. RA

Casing - OD 5500 Wt. 1400 Set at 5400 Tubing - OD 2000 Wt. 0470 L 5145 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow From 040761 To 041561 S.I.P. Measured 061460 Prod. String 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 824 (k) Casing 837 (j) Length 5145

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 585 (g) Corrected 585 (h)

FRICTION CALCULATION

Grav. .686 P_t = 585 (i) GL = 3529 $(1-e^{-s})$ = .226

$(F_cQ)^2$ = 3327 $(1-e^{-s})(F_cQ)^2 = R^2$ = 752 P_t^2 = 342225 P_w^2 = 342977

FLOW RATE CALCULATION

$Q = \underset{\text{(integrated)}}{194} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 194$

DELIVERABILITY CALCULATION

$D = Q \quad 194 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.5155\right]^N = 1.3698\right) = 265$

[redacted] Based on Section 3-10-C.

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MAY 22 1961
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 824

Q = 194

P_w = 586

P_d = 412

D = 265

D at 250 or 500 228

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

228

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____