(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)

86404 Pool BLANCO Lease SAN JUAN 32 7 29 No. 22

Formation MV Unit N S 29 T 32 R 07 Pay Zone 5308 to 5640 Cty. SJ

Casing - OD 7000 Wt. 2300 Set at 7738 Tubing - OD 2000 Wt. 0470 L 5631 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 010761 To 011561

S.I.P. Measured: 062360

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 867 (k) Casing 1198 (j)

Length 5631

Meter Error: 0 (e) Friction Loss: 0 (f) Chart 479 (g) Corrected 479 (h)

FRICTION CALCULATION

Grav. .587 P_t = 479 (i) GL = 3305 $(1-e^{-s})$ = .214

$(F_cQ)^2$ = 7902 $(1-e^{-s})(F_cQ)^2 = R^2$ = 1691 P_t^2 = 229441 P_w^2 = 231132

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{299} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 299$$

DELIVERABILITY CALCULATION

$$D = Q \quad 299 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.0821\right]^N = 1.0609\right) = 317$$

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FEB 14 1961
OIL CON. COM.
DIST.

SUMMARY

P_c = 867

Q = 299

P_w = 481

P_d = 434

D = 317

D at 250 or 500 285

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

285

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____

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OIL CONS. COM.
DIV.