(EL 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)

71520 Pool BLANCO Lease SAN JUAN 28 7 MV No. 52

Formation MV Unit H S 27 T 28 R 07 Pay Zone 4442 to 5155 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 5220 Tubing - OD 2000 Wt. 0470 L 5060 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 112159 To 112959 — S.I.P. Measured 090459 — 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 914 (k) Casing _____ (j) — Length 5060

Meter Error: 0 (e) Friction Loss: 0 (f) 7 Day Avg. Flowing Pres., psia: Chart 511 (g) Corrected 511 (h)

FRICTION CALCULATION

Grav. .675 P_t = 511 (i) GL = 3416 $(1-e^{-s})$ = .220

$(F_cQ)^2$ = 83869 $(1-e^{-s})(F_cQ)^2 = R^2$ = 18451 P_t^2 = 261121 P_w^2 = 279572

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{974} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 974$$

DELIVERABILITY CALCULATION

$$D = Q \quad 974 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.1272\right]^N = 1.0939\right) = 1065$$

SUMMARY

P_c = 914

Q = 974

P_w = 529

P_d = 457

D = 1065

D at 250 or 500 973

Note:
250 ± for P.C.
500 ± for M.V.

973

RECEIVED
DEC 28 1959
OIL CON. COM.
DIST. 3

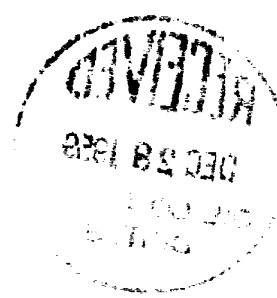
Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____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