(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)

74744 Pool SOUTH BLANCO Lease JICARILLA G No. 9

Formation PC Unit M S 14 T 26 R 05 Pay Zone 3517 to 3554 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 3618 Tubing - OD 1250 Wt. 0240 L 3522 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 020759 To 021559

S.I.P. Measured: 102158

Prod. String O.D. 1.250

Deadweight Flowing Pressure, psia: Casing _____ (a) Tubing _____ (b) Meter _____ (c)

Wt. 2.40

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 1036 (k) Casing 1037 (j)

Length 3522

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 235 (g) Corrected 235 (h)

FRICTION CALCULATION

Grav. .667 P_t = 235 (i) GL = 2349 $(1-e^{-s})$ = .157

$(F_cQ)^2$ = 190081 $(1-e^{-s})(F_cQ)^2 = R^2$ = 29843 P_t^2 = 55225 P_w^2 = 85068

FLOW RATE CALCULATION

$Q = \underset{\text{(integrated)}}{560} \times \left[\sqrt{\frac{(c)}{(d)}} \quad / .0000 = / .0000\right] = 560$

DELIVERABILITY CALCULATION

$D = Q \quad 560 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8145\right]^N = .8399\right) = 470$

RECEIVED
APR 3 1959
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 1036

Q = 560

P_w = 292

P_d = 518

D = 470

D at 250 or 500 554

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 _____

RECEIVED
APR 3 1958
OIL CON. COM.
DIST. 3