(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)

72683 Pool SOUTH BLANCO Lease JICARILLA E No. 7

Formation PC Unit K S 20 T 25 R 04 Pay Zone 3282 to 3316 Cty. RA

Casing - OD 2875 Wt. 640 Set at 3384 Tubing - OD ____ Wt. ____ L ____ (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 102260 To 103060

S.I.P. Measured: 080460

Prod. String: O.D. 2.875

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

Wt. 6.40

Flowing Pressure, psia: Chart ____ (d)

Deadweight Shut-in Pressure, psia: Tubing ____ (k) Casing 870 (j)

Length 3282

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 225 (g) Corrected 225 (h)

FRICTION CALCULATION

Grav. .692 P_t = 225 (i) GL = 2271 $(1-e^{-s})$ = .152

$(F_cQ)^2$ = 134862 $(1-e^{-s})(F_cQ)^2 = R^2$ = 20499 P_t^2 = 50625 P_w^2 = 71124

FLOW RATE CALCULATION

$Q = \underset{\text{(integrated)}}{2092} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 2092$

DELIVERABILITY CALCULATION

$D = Q \quad 2092 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8277\right]^N = .8515\right) \quad 1781$

RECEIVED
DEC 5 1960
OIL CON. COM.
DIST.

SUMMARY

P_c = 870

Q = 2092

P_w = 267

P_d = 435

D = 1781

D at 250 or 500 2046

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

2068

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By ____

Company ____