Form C-122-A
(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)

74346 Pool BALLARD Lease HUERFANO No. 47

Formation PC Unit A S 09 T 26 R 09 Pay Zone 2083 to 2115 Cty. SJ

Casing - OD 7000 Wt. 2000 Set at 2083 Tubing - OD 1250 Wt. 0240 L 2093 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 060759 To 061559

S.I.P. Measured: 040659

Prod. String: O.D. 7.000

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

Prod. String: Wt. 20.00

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 449 (k) Casing 449 (j)

Prod. String: Length 2083

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 231 (g) Corrected 231 (h)

FRICTION CALCULATION

Grav. .646 P_t = 231 (i) GL = 1346 $(1-e^{-s})$ = .093

$(F_cQ)^2$ = 32 $(1-e^{-s})(F_cQ)^2 = R^2$ = 3 P_t^2 = 53361 P_w^2 = 53364

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{316} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 316$$

DELIVERABILITY CALCULATION

$$D = Q \quad 316 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.0184\right]^N = 1.0156\right) = 321$$

Tubing was re-run with differential valves on 5/21/59.

RECEIVED
JUL 2 1959
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 449

Q = 316

P_w = 231

P_d = 225

D = 321

D at 250 or 500 288

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

312

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____

RECEIVED
1999
OIL CON. COM
DIST. 3