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)

74014 Pool WEST KUTZ Lease SCHWERDTFEGER No. 7

Formation PC Unit A S 08 T 27 R 11 Pay Zone 1901 to 2020 Cty. SJ

Casing - OD 5500 Wt. 1400 Set at 1901 Tubing - OD 1000 Wt. 0170 L 1968 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow From 032260 To 033060

S.I.P. Measured ~~080766~~ 080756

Prod. String O.D. 5.500

Deadweight Flowing Pressure, psia

Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 14.00

Flowing Pressure, psia Deadweight Shut-in Pressure, psia

Chart _____ (d) Tubing _____ (k) Casing 267 (j) Length 1901

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 218 (g) Corrected 218 (h)

FRICTION CALCULATION

Grav. .654 P_t = 218 (i) GL = 1243 $(1-e^{-s})$ = .086

$(F_cQ)^2$ = 2 $(1-e^{-s})(F_cQ)^2 = R^2$ = _____ P_t^2 = 47524 P_w^2 = 47524

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{54} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 54$$

DELIVERABILITY CALCULATION

$$D = Q \quad 54 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 2.2441\right]^N = 1.9878\right) = 107$$

RECEIVED
MAY 6 1960
OIL CON. COM.
DIST. 3

Pulled tubing and re-ran with differential valves 2/22/60.

Unable to obtain 25% drawdown

SUMMARY

P_c = 267

Q = 54

P_w = 218

P_d = 134

D = 107

D at 250 or 500 8

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

56

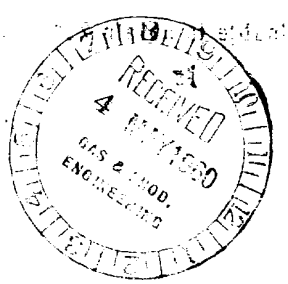
Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____


RECEIVED
GAS & PROD.
ENGINEERING