(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)

74009 Pool WEST KUTZ Lease FRONTIER BOLACK No. 14

Formation PC Unit I S 16 T 27 R 11 Pay Zone 1943 to 1989 Cty. SJ

Casing - OD 5500 Wt. 1400 Set at 1960 Tubing - OD 1000 Wt. 0170 L 1972 (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: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 263 (k) Casing 263 (j)

Length 1943

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 157 (g) Corrected 157 (h)

FRICTION CALCULATION

Grav. .665 P_t = 157 (i) GL = 1292 $(1-e^{-s})$ = .090

$(F_cQ)^2$ = 222 $(1-e^{-s})(F_cQ)^2 = R^2$ = 20 P_t^2 = 24649 P_w^2 = 24669

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{431} \times \left[\sqrt{\frac{(c)}{(d)}} \quad \underline{1.0000} = \underline{1.0000}\right] = 431$$

DELIVERABILITY CALCULATION

$$D = Q \quad 431 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.1622\right]^N = 1.1362\right) = 490$$

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DIST. 3

SUMMARY

P_c = 263

Q = 431

P_w = 157

P_d = 132

D = 490

D at 250 or 500 10

Note:
250 ≠ for P.C.
500 ≠ for M.V.

245

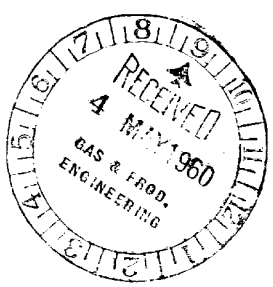
Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____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4 MAY 1960
GAS & PROD.
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