(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)

74936 Pool ~~BASIN~~ Tapicito Lease FEDERAL F No. 32

Formation PC Unit J S 32 T 26 R 02 Pay Zone 3906 to 3954 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 3988 Tubing - OD 1250 Wt. 0240 L 3922 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 053060 To 060760

S.I.P. Measured: ~~102969~~ 10 2959

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 1026 (k) Casing 1025 (j)

Length 3922

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .695 P_t = 490 (i) GL = 2726 $(1-e^{-s})$ = .180

$(F_cQ)^2$ = 25472 $(1-e^{-s})(F_cQ)^2 = R^2$ = 4585 P_t^2 = 240100 P_w^2 = 244685

FLOW RATE CALCULATION

$Q = 205 \text{ (integrated)} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 205$

DELIVERABILITY CALCULATION

$D = Q \quad 205 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .9771\right]^N = \quad 201\right.$

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JUL 13 1960
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 1026

Q = 205

P_w = 495

P_d = 513

D = 201

D at 250 or 500 241

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

226

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____


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