(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)

74745 Pool SOUTH BLANCO Lease JICARILLA G No. 16

Formation PC Unit E S 14 T 26 R 05 Pay Zone 3522 to 3557 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 3641 Tubing - OD 1250 Wt. 0240 L 3513 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 020759 To 021559

S.I.P. Measured: 102858

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 1065 (k) Casing 1065 (j)

Length 3513

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 281 (g) Corrected 281 (h)

FRICTION CALCULATION

Grav. .668 P_t = 281 (i) GL = 2347 $(1-e^{-s})$ = .157

$(F_cQ)^2$ = 63234 $(1-e^{-s})(F_cQ)^2 = R^2$ = 9928 P_t^2 = 78961 P_w^2 = 88889

FLOW RATE CALCULATION

$Q = \underset{\text{(integrated)}}{323} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 323$

DELIVERABILITY CALCULATION

$D = Q \quad 323 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8132\right]^N = .8388\right) = 271$

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OIL CON. COM.
DIST. 3

SUMMARY

P_c = 1065

Q = 323

P_w = 298

P_d = 533

D = 271

D at 250 or 500 326

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

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____

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