Form C-122 (EL PASO)

Initial Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

74048 Pool WEST KUTZ Lease ALICE BOLACK No. 8

Formation PC Unit I S 09 T 27 R 11 Pay Zone 2001 to 2011 Cty. SJ

Casing - OD 5500 Wt. 1400 Set at 1985 Tubing - OD 1000 Wt. 0170 L 1984 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 030760 To 031560

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 1985

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 171 (g) Corrected 171 (h)

FRICTION CALCULATION

Grav. .658 P_t = 171 (i) GL = 1306 $(1-e^{-s})$ = .091

$(F_cQ)^2$ = 4 $(1-e^{-s})(F_cQ)^2 = R^2$ = _____ P_t^2 = 29241 P_w^2 = 29241

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{56} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 56$$

DELIVERABILITY CALCULATION

$$D = Q \quad 56 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.2959\right]^N = 1.2464\right) = 70$$

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

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

SUMMARY

P_c = 263

Q = 56

P_w = 171

P_d = 132

D = 70

D at 250 or 500 1

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

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Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____