GAS WELL TEST DATA SHEET - SAN JUAN BASIN

Pool Blanco Formation Mesa Verde County San Juan

Well Name Hardie No. 4 70-475

Unit H S 23 T 29 R 8 Pay Zone 4790 To 5464 Flow String Tubing

Casing O D 7.000 I D 6.366 Set at 4771 Tubing O D 2.375 I D 1.995 L 4800 Top Perf.

Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c	Comm. Designated P_c, psia	Period Of Test Flow		SIP Measured
80		From 5/21/64	To 5/29/64	3/9/64

Deadweight Flowing Pressure, psia — Flowing Pressure, psia

Casing _____ (a) Tubing _____ (b) Meter _____ (c) Chart _____ (d)

Deadweight Shut-In Pressures, psia — Meter Error — Friction Loss

Casing 860 (j) Tubing 839 (k) _____ (e) _____ (f)

7 Day-Avg. Flowing Pres., psia

Chart 496 (g) Corrected 496 (h) P_t 496 (i) Gravity .695

G. L. = 3336 $1-e^{-s}$ = .215 Fc 9.402 $(F_cQ)^2$ 20.367

$(1-e^{-s})$ $(F_cQ)^2 = R^2$ = 4379 P_t^2 = 246016 P_c^2 = 250395

$$Q = \frac{480}{\text{(integrated)}} \times \left[\sqrt{\frac{(c)}{(d)} = \quad = \quad}\right] = 480$$

$$D = Q \quad 480 \times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)}\right]^n = \left[\frac{266255}{489205}\right]^n = \frac{(5442)^n}{.6340} = 304$$

REMARKS

Perforated tubing with 14/" holes at following depths: 5000, 4900, 4850 and 4800. Turned back on production 4-8-64.

RECEIVED JUN 1 8 1964 OIL CON. COM. DIST. 3

SUMMARY

P_c = 860

Q = 480

P_w = 500

P_d = 688

D = 304

Company EL PASO NATURAL GAS COMPANY

By W. L. Kendrick for H. L. KENDRICK

Title SENIOR GAS ENGINEER

Witnessed By _____

Company _____