

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)

CORRECTED COPY

72356 Pool FULCHER KUTZ Lease LODEWICK No. 3

Formation PC Unit D S19 T27 R09 Pay Zone 2402 to 2437 Cty. SJ

Casing - OD 5500 Wt. 1400 Set at 2391 Tubing - OD 1000 Wt. 0180 L 2433 (T. Perf.)

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

Period of Test Flow		S.I.P. Measured	Prod. String
From	<u>070760</u>		
To	<u>071560</u>	<u>040660</u>	O.D. <u>1.000</u>

Deadweight Flowing Pressure, psia

Casing	_____ (a)	Tubing	_____ (b)	Meter	_____ (c)	Wt.	1.80
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Flowing Pressure, psia _____

Chart _____ (d)

Deadweight Shut-in Pressure, psia _____

Tubing 374 (k) Casing 374 (j) Length **2433**

Meter Error 0 (e) Friction Loss 0 (f) Chart 218 (g) Corrected 218 (h) 7 Day Avg. Flowing Pres., psia

FRICTION CALCULATION

Grav. .649 $P_t = \underline{218}$ (i) GL = 1579 $(1-e^{-3}) = \underline{.108}$

$$(F_C Q)^2 = \underline{163891} \quad (1 - e^{-5}) (F_C Q)^2 = R^2 = \underline{17700} \quad P_t^2 = \underline{47524} \quad P_{\infty}^2 = \underline{65224}$$

FLOW RATE CALCULATION

$$Q = \frac{254}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \frac{1.0000}{1.0000} \right] = \frac{1.0000}{1.0000} = \underline{254}$$

DELIVERABILITY CALCULATION

$$D = Q \quad \underline{254} \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \underline{1.4052} = \underline{1.3352} = \underline{339}$$

Intermitter installed 6/15/60, back on production.

SUMMARY

P_c = 374

Q = 254

$P_w = 255$

Pd = 187

D = 339

D at 250 or 500 **204**

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_____

