

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

74607 Pool SOUTH BLANCO Lease JICARILLA J No. 10
Formation PC Unit P S 18 T 26 R 05 Pay Zone 3006 to 3070 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 3119 Tubing - OD 1250 Wt. 0240 L 3046 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow		S.I.P. Measured	Prod. String
From <u>080760</u>	To <u>081560</u>	<u>052960</u>	O.D. · <u>1.250</u>

Deadweight Flowing Pressure, psia

Casing _____ (a)	Tubing _____ (b)	Meter _____ (c)	Wt. 2.40
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Flowing Pressure, psia	Deadweight Shut-in Pressure, psia		
Chart _____ (d)	Tubing <u>397</u> (k)	Casing <u>405</u> (j)	Length <u>3046</u>

Meter Error

0 (e)

Friction Loss

⑥ (f)

7 Day Avg. Flowing Pres., psia

Chart 235 (g) Corrected 235 (h)

FRICTION CALCULATION

Grav. .702 $P_t = \underline{235}$ (i) $GL = \underline{2138}$ $(1-e^{-s}) = \underline{.144}$

$$(F_c Q)^2 = \underline{1228} \quad (1 - e^{-3}) (F_c Q)^2 = R^2 = \underline{177} \quad P_t^2 = \underline{55225} \quad P_w^2 = \underline{55402}$$

FLOW RATE CALCULATION

$$Q = \frac{45}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = \underline{45}$$

DELIVERABILITY CALCULATION

$$D = Q \quad \underline{45} \times \left(\frac{[P_c^2 - P_d^2]}{[P_c^2 - P_w^2]} \right)^N = \underline{1.1526} = \underline{1.1283} = \underline{51}$$

An intermitter was installed - turned on production 6/29/60.

SUMMARY

$P_c = \underline{\underline{397}}$

Q = 45

P_w = 235

P_d = 199

D = **51**

D at 250 or 500 **40**

Note:

250 ~~77~~ for P.C.

500# for M.V.

Company **EL PASO NATURAL GAS CO.**

By **H. L. KENDRICK**

Title **GAS ENGINEER**

Witnessed By _____

Company _____





WATKINS, J. W.

1000 1000 1000

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