

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

74741 Pool BLANCO Lease JICARILLA C (M) No. 4
Formation MV Unit G S 16 T 25 R 04 Pay Zone 5764 to 6126 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 6159 Tubing - OD 2000 Wt. 0470 L 5998 (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>010759</u>	To	<u>011559</u>	O.D.
			<u>090558</u>	<u>2.000</u>
Deadweight Flowing Pressure, psia				
Casing	_____ (a)	Tubing	_____ (b)	Meter
			_____ (c)	Wt.
				<u>4.70</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia		
Chart	_____ (d)	Tubing	<u>884</u> (k)	Casing
			_____ (j)	Length
				<u>5998</u>

Meter Error 0 (e) Friction Loss 0 (f) Chart 476 (g) Corrected 476 (h) 7 Day Avg. Flowing Pres., psia

FRICTION CALCULATION

Grav. 0.721 $P_t = \underline{476}$ (i) GL = 4325 $(1-e^{-s}) = \underline{0.270}$

$$(F_c Q)^2 = \underline{1404} \quad (1-e^s)(F_c Q)^2 = R^2 = \underline{379} \quad P_w^2 = \underline{226576} \quad P_w^2 = \underline{226955}$$

FLOW RATE CALCULATION

$$Q = \frac{126}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] \frac{1.0000}{1.0000} = \frac{126}{1.0000} = 126$$

DELIVERABILITY CALCULATION

$$D = Q \quad \underline{126} \times \left(\frac{\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N}{\underline{1.0562}} \right) = \underline{1.0418} = \underline{131}$$

SUMMARY

$P_c = \underline{\hspace{1cm} 884 \hspace{1cm}}$
 $Q = \underline{\hspace{1cm} 126 \hspace{1cm}}$
 $P_w = \underline{\hspace{1cm} 476 \hspace{1cm}}$
 $P_d = \underline{\hspace{1cm} 442 \hspace{1cm}}$
 $D = \underline{\hspace{1cm} 131 \hspace{1cm}}$

D at 250 or 500 **120**

Note:
250 $\neq$ for P.C.
500 $\neq$ for M.V.

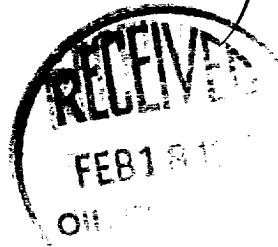
Company **EL PASO NATURAL GAS CO.**

By **H. L. KENDRICK**

Title **GAS ENGINEER**

Witnessed By _____

Company _____



189

