

**Initial
Deliverability Test**

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

OBSERVED DATA				Prod. String
Period of Test Flow		S.I.P. Measured		
From	<u>013061</u>	To	<u>020761</u>	O.D. <u>2.000</u>
Deadweight Flowing Pressure, psia				
Casing	_____ (a)	Tubing	_____ (b)	Wt. <u>4.70</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia		
Chart	_____ (d)	Tubing	<u>1151</u> (k)	Casing <u>1153</u> (j)
				Length <u>6790</u>

Meter Error 0 (e) Friction Loss 0 (f) Chart 533 (g) Corrected 533 (h) 7 Day Avg. Flowing Pres., psia

Grav. **.690** $P_1 =$ **533** (i) GL = **4685** $(1-e^{-3}) =$ **.289**

$$(F_c Q)^2 = \underline{3258} \quad (1 \cdot e^{-3}) (F_c Q)^2 = R^2 = \underline{942} \quad P_t^2 = \underline{284089} \quad P_w^2 = \underline{285031}$$

$$Q = \frac{192}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = \frac{192}{1.0000}$$
$$D = Q \quad \underline{192} \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \underline{.9550} = \underline{.9660} = \underline{189}$$

Company _____

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