Initial Hydrostatic Final Hydrostatic		1639	1638	Ticket Number		508795		
		PRESSURE 4196 4078	PRESSURE 4247				ft.	
			4128		1st Flow		MCF	
Tillul Tiyale	Initial	Time	88	153	Production Rate —	2nd Flow	95.5	MCF
3 . 71.	Final	32	91	170	- Rate -	3rd Flow		MCF
1st Flow	Glosed In Pressure	60	2485	2508 111 155	Hole Size		7.875	in.
	Initial	Time	55		Footage Tested  Mud Weight		18	ft.
Out Flam	Final	118					9	lbs./gal.
2nd Flow	Closed in Pressure	120	2763	2789	Gas Viscosity	Est.	.0215	cp
	Initial	Time	-		Gas Gravity		.6	
3rd Flow	Final	1			Gas Compressibility Temperature		.874	
SIG FIOW	Closed In Pressure						151	•F
Extrapolated Static Pressure		lst						
		2nd	3162 3168					
		3rd					_	
<u></u>		lst						
Slope P/10		2nd	2046	2082			_	
		3rd						

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Remarks:	
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S	UMMARY	B.T. Gauge N Depth	lo. 1639 8501	1	B.T. Gauge i Depth	No.	1638 8583	
PRODUCT	EQUATION	FIRST	SECOND	THIRD	FIRST	SECOND	THIRD	UNITS
Transmissability	$\frac{Kh}{\mu} = \frac{1637  Q_r  ZT}{m}$		14.4			14.6	•	md. ft.
Theoretical Flow Capacity	$Kh = \frac{Kh}{\mu} \mu$		.309			.315		md. ft.
Average Effective	$K = \frac{Kn}{h}$		-		,	-		mđ.
Permeability	$K_1 = \frac{Kh}{h_1}$		.017			.017		md.
Indicated Flow Capacity	$(Kh)_2 = \frac{3200  Q_r  \mu  ZT  Log(0.472  b/r_w)}{P_B^2 - P_F^2}$		.159		·	.160		md. ft.
Damage Ratio	$DR = \frac{\text{Theo. Flow Cap}}{\text{Indicated Flow Cap}} \frac{\text{Kh}}{\text{(Kh)}_{z}}$		1.94			1.97		
Indicated	$OF_1 = \tfrac{Q_x}{P_8{}^2 - P_r{}^2} \qquad Max.$		95.63			95.73		MCFD
Flow Rate	$OF_2 = rac{Q_{\mathfrak{e}}  P_{B}}{\sqrt{P_{B}^2 - P_{F}^2}}  Min.$		95.56			95.62		MCFD
Theoretical	$OF_3 = OF_1 DR$ Max.		185.4			188.2		MCFD
Potential Rate	$OF_4 = OF_2 DR$ Min.		185.2			188.0		MCFD
Approx. Radius	$b \leq \sqrt{Kt} \text{ or } \sqrt{Kt_0}$		-			-		ft.
of Investigation	$b_1 \subseteq \sqrt{K_1 t} \text{ or } \sqrt{K_1 t_0}$		1.9			1.9		ft.
Potentiometric Surface *	Pot. = $(EI - GD) + (2.319 Ps)$		-1168			-1236		ft.

NOTICE: These calculations are based upon information furnished by you and taken from Drill Stem Test pressure charts, and are furnished you for your information. In furnishing such calculations and evaluations based thereon, Hamburton is merely expressing its opinion. You garee that Halliburton makes no warranty express or implied as to the accuracy of such calculations or opinions, and that Halliburton shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.

