

LAMPIRAN A

Unit Log. PLTGU : 2.3

No	UP Semarang Waktu	KOMPRESOR			TURBIN		GENERATOR					
		Temp. Inlet (C)	Press. Discharge (Bar)	Temp discharge (C)	Flow BBG (Kg/s)	Temp. Exhaust (C)	MW (Pout)	Mvar	Gen Field		Phase	
								A	Volt	A	Volt	
1	2 Agustus 2018	26	10.31	356	6.75	560	104.9	925	220	6602	11500	
2	2 Agustus 2018	27	10.25	358	6.73	560	104.4	878	220	6539	11500	
3	5 Agustus 2018	28	10.22	360	6.7	560	103.4	888	225	6483	11500	
4	21 Agustus 2018	29	10.21	362	6.65	560	101.5	855	250	6426	11500	
5	21 Agustus 2018	30	10.12	366	6.62	560	100.5	865	240	6370	11500	
6	9 september 2018	31	10.08	369	6.6	560	100	814	240	6307	11500	
7	9 september 2018	32	10.05	370	6.58	560	99.5	759	225	6244	11500	
8	12 september 2018	33	10.01	375	6.55	560	98.5	772	222	6181	11500	
9	14 september 2018	34	9.97	379	6.52	560	97.5	784	220	6119	11500	
10	14 september 2018	35	9.98	382	6.49	560	96.5	794	200	6062	11500	
Catatan : Data ini merupakan data pengukuran yang sudah mendapatkan izin untuk digunakan sebagai bahan analisa												
Supervisor												
Nama		Pafaf										
Dasiman												

LAMPIRAN B

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 DAILY REPORT  
 PT. KALIMANTAN JAWA GAS  
 TAMBAK LOROK  
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Period start	09/08/2018	00:00:00		
Period end	10/08/2018	00:00:00		
System	USM METERING SYSTEM		Flow computer	FLOW COMP B
Meter / station ID			FT- A	FT- B
Daily gross volume	MCF		3830.5699	0.0000
Daily mass	Klbm		4917.8328	0.0000
Daily base volume	MSCF		114130.3791	0.0000
Daily energy	MMBTU		114309.5868	0.0000
Cumulative Gross volume	MCF		783446.2401	26.3730
Cumulative Mass	Klbm		946191.5057	30.9169
Cumulative Base volume	MSCF		21958877.2878	716.9891
Cumulative Energy	MMBTU		22058516.0780	720.5126
Time weighted Average				
Gross volume flow rate	MMCF/d		3.8304	0.0000
Mass flow rate	Klbm/d		4917.6601	0.0000
Base volume flow rate	MMSCF/d		114.1264	0.0000
Energy Flow rate	BBTU/d		114.6056	0.0000
Flow Weighted Average				
Meter temperature	deg F		69.4021	0.0000
Meter pressure	psi (a)		424.2564	0.0000
Base density	lb/SCF		0.043090	0.00000
Meter density	lb/CF		1.283904	0.00000
Specific gravity			0.562176	0.00000
Low Heating value	BTU/lbm		19910.62	0.0000
Wobbe index	BTU/ft <sup>3</sup>		1336.4583	0.0000
Meter K factor	Pls/unit		13000.0000	0.0000
Base Compressibility			0.998033	0.00000
Compressibility			0.947754	0.00000
Composition [ mol- %]				
Methane			98.6091	
Ethane			0.1307	
Propane			0.0218	
i-Butane			0.0141	
n-Butane			0.0001	
i-Pentane			0.0003	
n-Pentane			0.0001	
n-Hexane Plus			0.0127	
Nitrogen			0.8556	
Carbon Dioxide			0.3462	
Water			0.0093	
Hydrogen Sulphide			0.0000	

## LAMPIRAN C

### SPECIFICATION M-101 GAS TURBINE UNIT 2.3 AND AUXILIARIES

8. Generator	
Manufacturer.....	: GE Generators
Model.....	: ATB-2
Serial number.....	: 335X946
Cust.No.....	: 98812
kVA rating.....	: 143,400 kVA
Armature Amps.....	: 7,199 A
Armature Volts.....	: 11,500 V
Power Factor.....	: 0,8
No.Of Phase.....	: 3
Connection.....	: Wye Connected
Frequency.....	: 50 Hz
Normal Speed.....	: 3000 Rpm
H <sub>2</sub> Pressure.....	: 30 Psi
Field Ampere.....	: 1283 A
Exciter Volts.....	: 500 V
Core Loss.....	: 156 Kw
Stray Load Loss.....	: 469 Kw
Rotor Short-Time Thermal Capacity.....	: 8
Turbine-Generator Combine Inertia Constant	: 6,34 Kw sec/Kva
Three Phase Armature Winding Capacitance.	: 0,985 Microfarads
Armature Winding dc Resistance (Per-Phase)	: 0,00178 Ohm at 100 °C
Field Winding dc Resistance.....	: 0,348 Ohm at 125 °C
Date.....	: February 19,1993