

wood.		Metering Process Data Sheet					
Package No. TBN		Doc. No. (Wood internal) S1-AA-PDE-0219			Rev. 02S	Page 1 of 1	
Tag No		: 21B-XUX1			P&ID No.: S1-AA-PBP-2120-001		
Location/Module		: P23					
Unit		: Oil metering package					
Size & Type		: TBN					
1 Design Data							
2	Fluids	: Crude oil (export)					
3	Design Flowrate	m3/h:	67 / 1453 (min./max.)	Note 1	Corrosion/Erosion	: H2S and sand particles	
4	Design Pressure	barg:	49	Note 1	Material Specification	: BD20X	
5	Design Temperature	°C:	-8 / 106	Note 1			
6							
7							
8	Case	Minimum capacity		Maximum capacity			
9	Mass Flowrate	kg/h	54 605	1 184 195			
10	Operation Pressure	barg	36.0	Note 4	35.4	Note 4	
11	Operating Temperature	°C	55 - 57	Note 2, 5	55 - 57	Note 2, 5	
12	Density at T & P	kg/m³	815	Note 2	815	Note 2	
13	Viscosity at T & P	cP	2.2	Note 2	2.2	Note 2	
14	Molecular Weight		182.8	Note 2	182.8	Note 2	
15	Compressibility (Z)		NA		NA		
16	Isentropic Exponent	(Cp/Cv)	NA		NA		
17							
18	Notes:						
19	1.) Process design data given in "Crude Oil and Gas Metering System and Fuel Gas System",						
20	doc. no.: S1-AA-JSX-0008, rev. 0 , 1990.						
21							
22	2.) Process physical parameters are received from Company.						
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24	3.) TVP (True Vapor Pressure) @25 C = 0.989 bara and RVP (Reid Vapor Pressure) @37.8 C = 0.758 bara.						
25							
26	4.) Based on pressure drop calculations from oil pipeline pumps 21A-PA02A/B to 21B-XUX1.						
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28	5.) Maintain temperature for heat-tracing is 59 °C. Insulation type and thickness will be concluded in execution phase - Class 1 with or						
29	without HT.						
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Rev	Date	Issue/Description		Prepared	Checked	Approved	
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