

## Bacalhau North Topside MPFM

2026-01-18 08:21

### Calibration Report

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#### Calibration Information

<b>Calibration No.</b>	:	211
<b>Selected MPFM</b>	:	N1 - 13FT0367
<b>Calibration Started</b>	:	17.01.2026 08:20
<b>Calibration Ended</b>	:	18.01.2026 08:21
<b>Status</b>	:	Completed - Passive

#### Average Values

		<b>MPFM</b>	<b>Separator</b>
Pressure	[kPa]	11505.73	8343.63
Temperature	[°C]	75.07	72.18
Density - oil	[kg/m³]	754.033	831.987
Density - gas	[kg/m³]	91.842	81.585
Density - water	[kg/m³]	999.784	996.629

#### Well Composition

		<b>Used</b>	<b>Calculated</b>
Nitrogen N2	[mol%]	0.5750	0.5750
Carbon dioxide CO2	[mol%]	0.0200	0.0200
Methane C1	[mol%]	62.1830	62.1830
Ethane C2	[mol%]	8.0690	8.0690
Propane C3	[mol%]	5.0470	5.0470
I-butane iC4	[mol%]	1.0690	1.0690
N-butane nC4	[mol%]	1.8580	1.8580
I-pentane iC5	[mol%]	0.6810	0.6810
N-pentane nC5	[mol%]	0.7880	0.7880
N-hexane nC6	[mol%]	1.1120	1.1120
Heptane C7	[mol%]	1.1380	1.1380
Octane C8	[mol%]	1.6570	1.6570
Nonane C9	[mol%]	1.4720	1.4720
Decane plus C10+	[mol%]	14.3310	14.3310
C7 weight	[g/mol]	97.3650	97.3650
C8 weight	[g/mol]	111.2860	111.2860
C9 weight	[g/mol]	125.2530	125.2530
C10+ weight	[g/mol]	289.6400	289.6400
C7 density	[kg/m³]	748.7870	748.7870
C8 density	[kg/m³]	771.4080	771.4080
C9 density	[kg/m³]	788.6400	788.6400
C10+ density	[kg/m³]	890.9030	890.9030
Peneloux gas	[·]	1.0000	1.0000
Peneloux oil	[·]	1.0000	1.0000

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### Accumulated mass during calibration

		MPFM	Separator
Oil	[t]	6365.07	6742.65
Gas	[t]	1476.18	1813.28
Water	[t]	1.46	24.93
HC	[t]	7841.25	8555.93

### Mass Correction Factors

		Used	New
Oil	[-]	0.94433	1.09080
Gas	[-]	0.96191	1.09262
Water	[-]	1.00000	17.09393
HC	[-]	0.94730	1.09114

### PVT Calculated Densities at Meter Conditions

		MPFM	Separator
Oil	[kg/m³]	754.03248	770.79244
Gas	[kg/m³]	91.84187	65.77600
Water	[kg/m³]	1222.74770	1222.63656

### PVT-calculated values at reference conditions

Volume - Oil	[Sm³]	7176.04740
Volume - Gas	[Sm³]	2479290.89903
Volume - Water	[Sm³]	20.02329
Density - Oil	[kg/Sm³]	871.27136
Density - Gas	[kg/Sm³]	0.92916
Density - Water	[kg/Sm³]	1212.22751