

LAMPIRAN



Gambar 11. Flowmeter pada alat FWKO D-11



Gambar 12. Spesifikasi Alat FWKO D-11



PROGRAM STUDI S-1 TEKNIK KIMIA  
FAKULTAS TEKNIK  
UPN "VETERAN" JAWA TIMUR

LAPORAN HASIL PENGUJIAN

LABORATORY REPORT

No : 1495 /PEP82710/VIII/2021

<b>Nama Contoh</b> <i>Sample Name</i>	: Gas Inlet CP TBN	<b>Tgl. Ambil contoh</b> <i>Date of Sampling</i>	: 16 Agustus 2021
<b>Kode Contoh/No.Memo</b> <i>Identification</i>	: 097/PEP82510/2021-S1	<b>Tanggal Terima Contoh</b> <i>Date of Received</i>	: 17 Agustus 2021
<b>Diterima dari</b> <i>Received From</i>	: TBN Production Operation	<b>Tgl.Selesai Pemeriksaan</b> <i>Date of Completed Test</i>	: 19 Agustus 2021
<b>Alamat</b> <i>Address</i>	: Jl. Raya Pertamina Bekasi, Kedungjaya, Kec. Babelan, Bekasi, Jawa Barat	<b>Metode Sampling</b> <i>Sampling Methode</i>	: GPA 2166 - 05
<b>No.Registrasi</b> <i>Registration No.</i>	: G-347/LAB. MIGAS JTB/VIII/2021	<b>Titik Sampling</b> <i>Sampling Point</i>	: -
<b>PPC</b> <i>Sampler</i>	: Personil Production Operation	<b>Halaman</b> <i>Page</i>	: 1 of 1

Asal Contoh		Inlet CP TBN		Metode
Sample Press		Psi	315.0	
Sample Temp		°F	111.2	
Lapisan (Selang Perforasi)		m	-	
No	Parameter Uji	Satuan	Hasil Uji	GPA 2261 - 19
1	Nitrogen (N2)	% mol	0.91	
2	Carbondioxide (CO2)	% mol	3.12	
3	Methane (C1)	% mol	67.31	
4	Ethane (C2)	% mol	12.03	
5	Propane (C3)	% mol	10.73	
6	I-Butane (i-C4)	% mol	2.03	
7	N-Butane (n-C4)	% mol	2.47	
8	I-Pentane (i-C5)	% mol	0.60	
9	N-Pentane (n-C5)	% mol	0.45	
10	Hexane + (C6+)	% mol	0.35	
Total			100.00	
Gross Heating Value		BTU/SCFT	1375.8582	GPA 2172 - 09
Specific Gravity		-	0.8487	
Compressibility		( Z-factor )	0.9952	

Gambar 13. Hasil Pengujian Gas Inlet CP TBN



PROGRAM STUDI S-1 TEKNIK KIMIA  
FAKULTAS TEKNIK  
UPN "VETERAN" JAWA TIMUR

LAPORAN HASIL PENGUJIAN

LABORATORY REPORT

No : 0116/EP3731/I/2019

**Nama Contoh** : Crude Oil TBN - Mix  
*Sample Name*  
**Kode Contoh / No.Memo** : 10/EP3713/2019-S0  
*Identification*  
**Diterima Dari** : Tambun Production Operation Ast.Man  
*Received From*  
**Alamat** : Jl. Pertamina Kp wates Ds.Kedungjaya  
*Address*  
**Nomor Registrasi** : M -003/LAB. MIGAS JTB/I/2018  
*Nomor Registrasi*  
**Petugas Pengambil Contoh** : Personil Production TBN  
*PPC*  
**Titik Pengambil Contoh** : Wellhead  
*Sampling Point*  
**Lokasi** : Tambun  
*Location*

**Tanggal Pengambilan Contoh** : 13 Januari 2019  
*Date Of Sampling*  
**Tanggal Terima Contoh** : 14 Januari 2019  
*Date Of Received*  
**Tanggal Selesai Pemeriksaan** : 16 Januari 2019  
*date Of Completed Test*  
**Metode Sampling** : -  
*Sampling Methode*  
**Halaman** : 1 dari 1  
*Page*  
**Identitas Contoh** : -  
*Sample Identity*

Sumur		TBN - Mix		
Diambil dari		-		
Lapisan : Perforasi (m)		-		
NO	PARAMETER UJI	SATUAN	HASIL	METODE
1	Obs Density / °C	gram/cc	0,7794 / 39 °C	ASTM D 1298-12b Reapproved 2017
2	Density 15 °C	gram/cc	0,7975	ASTM D 1298-12b Reapproved 2017
3	Spesific gravity 60/60 °F	-	0,7979	ASTM D 1298-12b Reapproved 2017
4	API Gravity 60 °F	-	45,84	ASTM D 1298-12b Reapproved 2017
5	Viskositas kinematik pada : *			ASTM D 445-17a
	100 °F *	mm <sup>2</sup> /s	1,6564	
	122 °F *	mm <sup>2</sup> /s	1,4076	
	140 °F *	mm <sup>2</sup> /s	1,2390	
6	Titik Tuang ( Pour Point )	°C	14	ASTM D 5853-17
7	Titik Sambar ( Flash Point ) *	°C	18	ASTM D 93-16a
8	Kadar Sedimen & Air ( BS & W )	% Vol	0,10	ASTM D 4007-11 (Reapproved 2016) <sup>41</sup>
9	Kadar Belerang ( Sulphur Content )	% Berat	0,0946	ASTM D 4294-16 <sup>41</sup>
10	Salt Content	ptb	7,8	ASTM D 3230-13

Gambar 14. Hasil Pengujian Crude Oil TBN