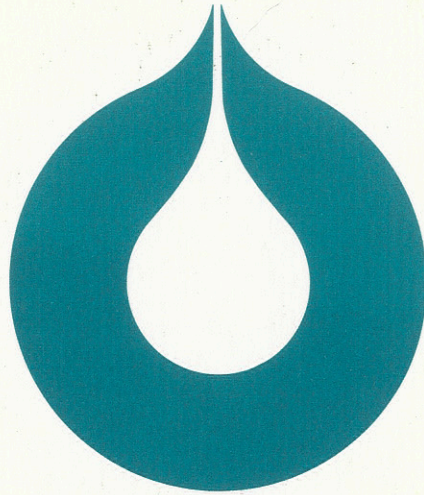


E-1.8



statoil

Gas Composition

Well-6406/3-1

STATOIL
EXPLORATION & PRODUCTION
LABORATORY

September 1984

LAB 84.2

Den norske stats oljeselskap a.s



Classification

Requested by

Per Seim LET - B

Subtitle

Co-workers

Bodil Fjæreide Sømme, Torbjørg Log Frantzen, Liv Tau.

Title

Gas Composition

Well 6406/3-1

**STATOIL
EXPLORATION & PRODUCTION
LABORATORY**

September 1984

LAB 84.235

Prepared

3/9-84

Otto Rogne
Otto Rogne

Approved

3/9-84

Didrik Malthe-Sørensen
Didrik Malthe-Sørensen

INTRODUCTION

The present report gives the results of a compositional analysis of two gas samples from well 6406/3-1, as requested.

The two gas bottles (opening pressure = 25 bara at 40 C) where heated at 50 C over night and analysed by gaschromatography.

*)

SAMPLING CONDITIONS

FIELD				Haltenbanken
WELL				6406/3-1
TEST				Watertest
PERFORATION				3782.5-3787.5 mRKB
DATE				02.08.84
RESERVOIR FLUID				WATER/GAS
SAMPLE TYPE				SEPARATOR
	Oil bottle			N/A
	Gas bottle			A-14070
				A-14828
SEPARATOR CONDITIONS				
	Pressure			22 Bara
	Temperature			81 C
	Gas rate			8763 Sm3/D
	Oil rate			N/A Sm3/D
	Separator GOR			N/A Sm3/m3 sep oil
STATIC BOTTOM HOLE COND				
	Initial Pressure	at	m	N/A Bara
	Last Pressure	-	-	N/A -
	Temperature			N/A C
FLOWING BOTTOM HOLE COND				
	Pressure	at	m	N/A Bara
	Temperature	-	-	N/A C
WELL HEAD				
	Pressure			106.9 Bara
	Temperature			108 C
FIELD MEASUREMENTS				
	Gas gravity (air=1)			0.675
	Fpv			1.0121

*)

Data from Flopetrol Sampling Sheet, no other information available at time of analysis.

WELL : 6406/3-1
DST : 1

SEPARATOR GAS COMPOSITION
MOL %

	BOTTLE A-14828	BOTTLE A-14070
NITROGEN	0.145	0.283
CARBONDIOXIDE	11.065	10.897
METHANE	86.927	86.956
ETHANE	1.393	1.392
PROPANE	0.295	0.295
i-BUTANE	0.019	0.019
n-BUTANE	0.041	0.041
i-PENTANE	0.006	0.006
n-PENTANE	0.008	0.008
HEXANES	0.007	0.007
HEPTANES	0.048	0.048
OCTANES	0.032	0.034
NONANES	0.007	0.008
DECANES PLUS	0.007	0.008
	-----	-----
	100.000	100.000
MOLECULAR WEIGHT	19.54	19.51
GRAVITY (air=1)	0.675	0.674