MAIN PARAMETERS DURING SAMPLING Table 4.14

Choke 16/64" (6.35 mm)

Bottle No.	GERZAT A-15398	GERZAT A-15201
Fluid	Separator gas	Separator gas
Sampling time	16:24 - 16:40	16:45 - 17:10
Duration , min	16	25
Well Head P , bar	34.4	33.2
Well Head T , C	7.3	4.6
Downhole P , bar	459.8	458.4
(at 4381.03 m RKB)		
Downhole T , C	166.3	166.3
Separator P , bar	7.23	7.10
GAS separator T, C	13.2	12.4
Water separator T, C	44.5	52.2
Quantity GAS, Sm3/d	1033	1100
Quantity WATER, m3/d	146	142
GOR (sep.cond.) Sm3/m3	7	8
Gas Gravity (air=1)	0.765	0.765
Water Gravity (st.con)	1.048	1.048
Temperature, C	6	6

APPENDIX 4

GAS ANALYSIS

DST 2C

WEST LAB A/S

Ref. : Elf02ga
Report : 02-05-1988
Analyst: i.f

GAS ANALYSIS ON GC :

Sample	: Gas		Cylinder nr	: A-15201	
Field	:		Gas flow	: 1100	sm3/d
Sampledate	: 26.03.88		Waterflow	: 142	m3/d
Samplepoint	: Top sep. outlet		Pressure	: 7.1	bar
			Temperature	: 12.7	deg.C
			Volume	: 20	litre(s)

Component	Mol%	Weight%
nitrogen	0.43	0.55
carbondioxide	18.63	37.41
methane	77.31	56.59
ethane	3.04	4.17
propane	0.45	0.91
i-butane	0.04	0.10
n-butane	0.07	0.19
2-2-d-m-propane	0.00	0.00
i-pentane	0.02	0.07
n-pentane	0.00	0.00
cyclopentane	0.00	0.00
hexanes	0.00	0.00
heptanes	0.00	0.00
octanes	0.00	0.00
nonanes	0.00	0.00
decanes	0.00	0.00
total	100.00	100.00

Calculated parameters:

Calculated average molwt	:	21.92	
Relative density (air=1.000)	:	0.76	
Calculated compressibility	:	1.00	
Gross heating value real	:	31.74	MJ/CU M
		7584.02	Kcal/CU M
		852.02	BTU/CU Ft
Critical temperature	:	-56.91	deg.C
		-70.45	deg.F
		216.24	deg.K
		389.55	deg.R
Critical pressure	:	747.44	Psia
		5149.88	Kpascal

Used constants from S.I. section 16 ,
(288.15 deg. Kelvin and 101.325 KPascal)

Ref. : elf02gb
Report : 03-05-1988
Analyst: i.f

GAS ANALYSIS ON GC :

Sample	: Gas	Cylinder nr	: A-15398		
Field	:	Gas flow	: 1033	sm3/d	
Sampledate	: 26.03.88	Waterflow	: 146	m3/d	
Samplepoint	: Top sep. outlet	Pressure	: 7.2	bar	
		Temperature	: 13.2	deg.C	
		Volume	: 20	litre(s)	

Component	Mol%	Weight%
nitrogen	0.55	0.70
carbondioxide	19.07	38.10
methane	76.85	55.98
ethane	3.00	4.10
propane	0.44	0.87
i-butane	0.04	0.11
n-butane	0.05	0.13
2-2-d-m-propane	0.00	0.00
i-pentane	0.00	0.00
n-pentane	0.00	0.00
cyclopentane	0.00	0.00
hexanes	0.00	0.00
heptanes	0.00	0.00
octanes	0.00	0.00
nonanes	0.00	0.00
decanes	0.00	0.00
total	100.00	100.00

Calculated parameters:

Calculated average molwt	:	22.02	
Relative density (air=1.000)	:	0.76	
Calculated compressibility	:	1.00	
Gross heating value real	:	31.47	MJ/CU M
		7519.60	Kcal/CU M
		844.78	BTU/CU Ft
Critical temperature	:	-56.66	deg.C
		-69.99	deg.F
		216.49	deg.K
		390.01	deg.R
Critical pressure	:	749.05	Psia
		5160.96	Kpascal

Used constants from S.I. section 16 ,
(288.15 deg. Kelvin and 101.325 KPascal)