

RFT CHAMBER, SAMPLE TRANSFER

FOR

STATOIL

WELL: 6407/1-3

CORE LAB

CORE LABORATORIES NORSK

ÅGOTNES

RFT CHAMBER, SAMPLE TRANSFER

FOR

STATOIL

WELL: 6407/1-3



CORE LAB NORSK

Telephone : (05) 334000  
Telex : 42835 CCB.N.

COAST CENTRE BASE  
ÅGOTNES  
BERGEN NORWAY  
Postboks 63—CCB

Statoil  
Damsgårdsgaten 131  
P.O. Box 1212  
N-5001 Bergen

Attention: Jon Hanstveit

Subject: RFT Chamber sample Transfer  
Well: 6407/1-3  
Haltenbanken Field  
Norwegian Sea, Norway  
Our File Number: RFLN 830007

Gentlemen:

On the 8th December 1983 a Schlumberger one gallon RFT chamber, number RFS AB 1180, was recieved in our Ågotnes Laboratory for examination and transfer of the contents. Presented in the following report are the results of tests performed as requested by a representative of Statoil.

Upon reciept in the laboratory the pressure in the sample chamber was determined to be 180 barg at 16.5 degrees C, the chamber was subsequently heated to the reported reservoir temperature of 135 degrees C. After maintaining this temperature for a period in excess of 24 hours, during which the chamber was inverted frequently, a stabilized pressure of 353 barg was recorded. There after, four pressurised samples were collected in evacuated cylinders, utilizing heated lines during transfer. Whilst depressuring the chamber no reliable gas-oil ratio data was obtained, however samples of the expanded gas were collected in containers provided by Statoil. The recorded pressure and volumetric data may be found on page two of the following report.

We were subsequently requested to perform "Fingerprint" chromatography analysis, for comparative purposes, utilizing condensable liquid collected from one of the pressurised samples; a sample of condensate liquid from well 6407/1-2 as provided by a representative of Statoil; and a sample of crude oil from well 6407/1-3 collected from RFT RFS AD 40 (see our file number RFL 830006). The resultant chromatographic traces may be found on pages three, four and five; please refer to page two for detailed sample identification.

Statoil  
Well: 6407/1-3

Page Two

Although the samples were different in physical appearance comparison of the respective nC17 - Pristane, nC18 - Pythane and Pristane - Pythane ratios indicated the samples were similar in many respects.

It has indeed been a pleasure to be of service to Statoil. Should any question arise concerning data presented in this report, or if we can be of further service, please do not hesitate to contact us.

Very truly yours,  
Core Laboratories Norsk



Duncan Thow  
RFL Operations Supervisor

DT/ACE  
7cc/Addressee

# CORE LABNORSK

COAST CENTRE BASE  
ÅGOTNES  
BERGEN NORWAY  
Postboks 63—CCB

Page 1 of 5

File RFLN 830007

Company STATOIL Date Sampled \_\_\_\_\_  
Well 6407/1-3 State NORWEGIAN SEA  
Field HALTENBANKEN Country NORWAY

## FORMATION CHARACTERISTICS

Formation Name	
Date First Well Completed	
Original Reservoir Pressure	PSIG @ _____ Ft.
Original Produced Gas/Oil Ratio	SCF/Bbl
Production Rate	Bbl/Day
Separator Pressure and Temperature	PSIG _____ °F.
Oil Gravity at 60°F.	°API
Datum	Ft. Subsea
Original Gas Cap	

## WELL CHARACTERISTICS

Elevation		Ft.
Total Depth		Ft.
Producing Interval		Ft.
Tubing Size and Depth	In. to	Ft.
Productivity Index	Bbl/D/PSI @ _____	Bbl/Day
Last Reservoir Pressure	376.1 BARG @ _____	Ft.
Date		
Reservoir Temperature	135 °C. @ _____	Ft.
Status of Well		
Pressure Gauge		
Normal Production Rate		Bbl/Day
Gas/Oil Ratio		SCF/Bbl
Separator Pressure and Temperature	PSIG, _____	°F.
Base Pressure		PSIA
Well Making Water		% Cut

## SAMPLING CONDITIONS

Sampled at		Ft.
Status of Well		
Gas/Oil Ratio		SCF/Bbl
Separator Pressure and Temperature	PSIG, _____	°F.
Tubing Pressure		PSIG
Casing Pressure		PSIG
Sampled by	SCHLUMBERGER	
Type Sampler	R.F.T.	

REMARKS:

# CORE LAB NORSK

COAST CENTRE BASE

ÅGOTNES

BERGEN NORWAY

Postboks 63-CCB

Page: 2 of 5

File: RFLN 830007

Well: 6407/1-3

## SUMMARY OF DATA FROM EXAMINATION

### OF RFT CHAMBER RFS AB 1180

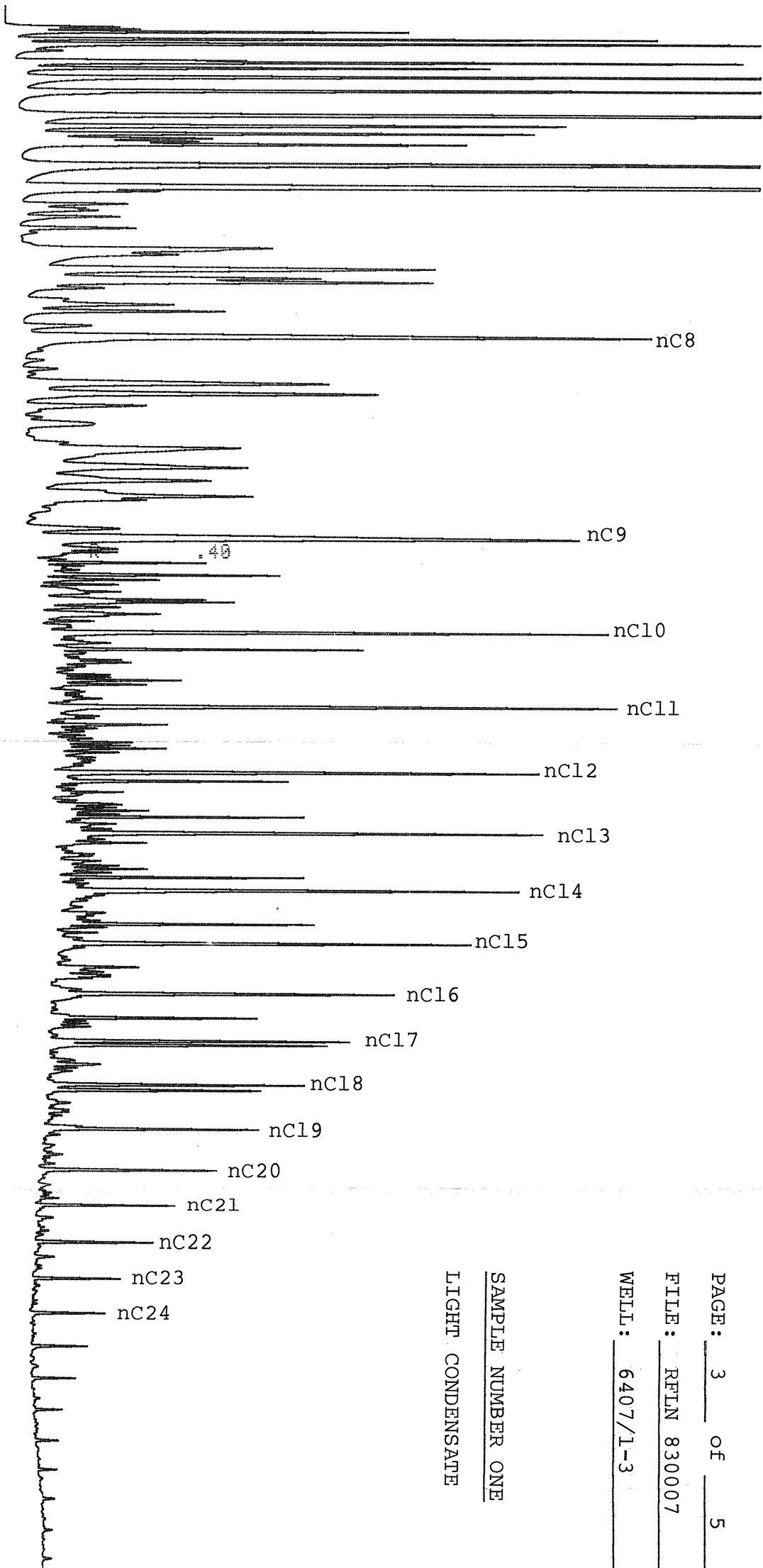
Opening Pressure at 16.5 degrees C.	180.0 Barg
Pressure after stabilizing chamber at 135 degrees C for 24 hours.	353.0 Barg
Estimated volume of samples at 482.6 Barg and 135 degrees C.	2.83 L
Volume of sample transferred at 482.6 Barg and 135 degrees C.	2.62 L
Liquid recovered during bleed down Approximately	0.14 L

### Chromatographic Analysis Sample Identification.

Sample 1:	Condensate sample: from gas sample from RFT RFS AB 1180, well 6407/1-3.
Sample 2:	Dark condensate: well 6407/1-2 as supplied by a representative of Statoil.
Sample 3:	Oil sample: from RFT RFS AD 40, well 6407/1-3.

Plottine factors 100000.000 \*\*\*\*\*

Trilab 2000 Analysis 1.74  
SAMPLE A050 1302 260184 (.20 .40R)

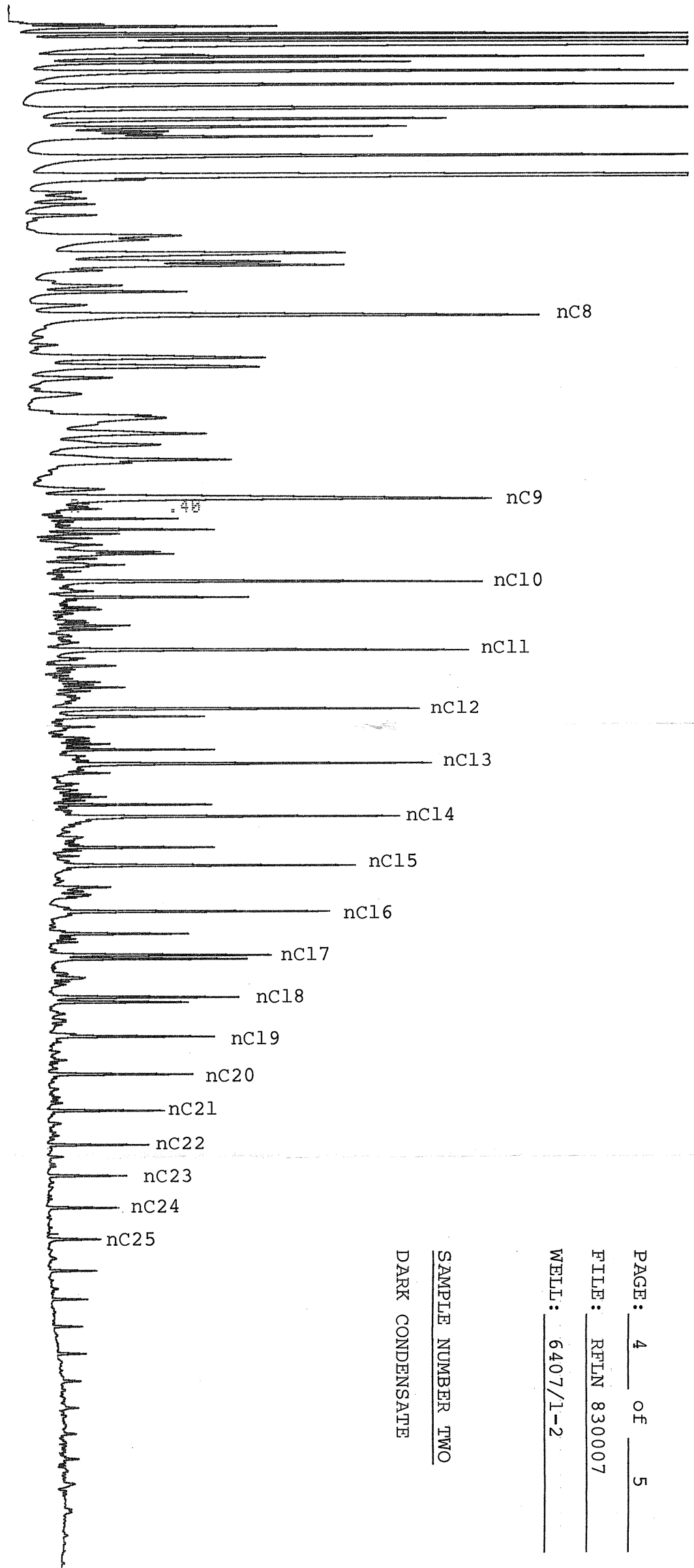


SAMPLE NUMBER ONE  
LIGHT CONDENSATE

PAGE: 3 OF 5  
FILE: RFIN 830007  
WELL: 6407/1-3

Plotting factors 115000.000 \*\*\*\*\*

Trilab 2000 Analysis 1.74  
SAMPLE A052 1505 260184 (.20 .40R)



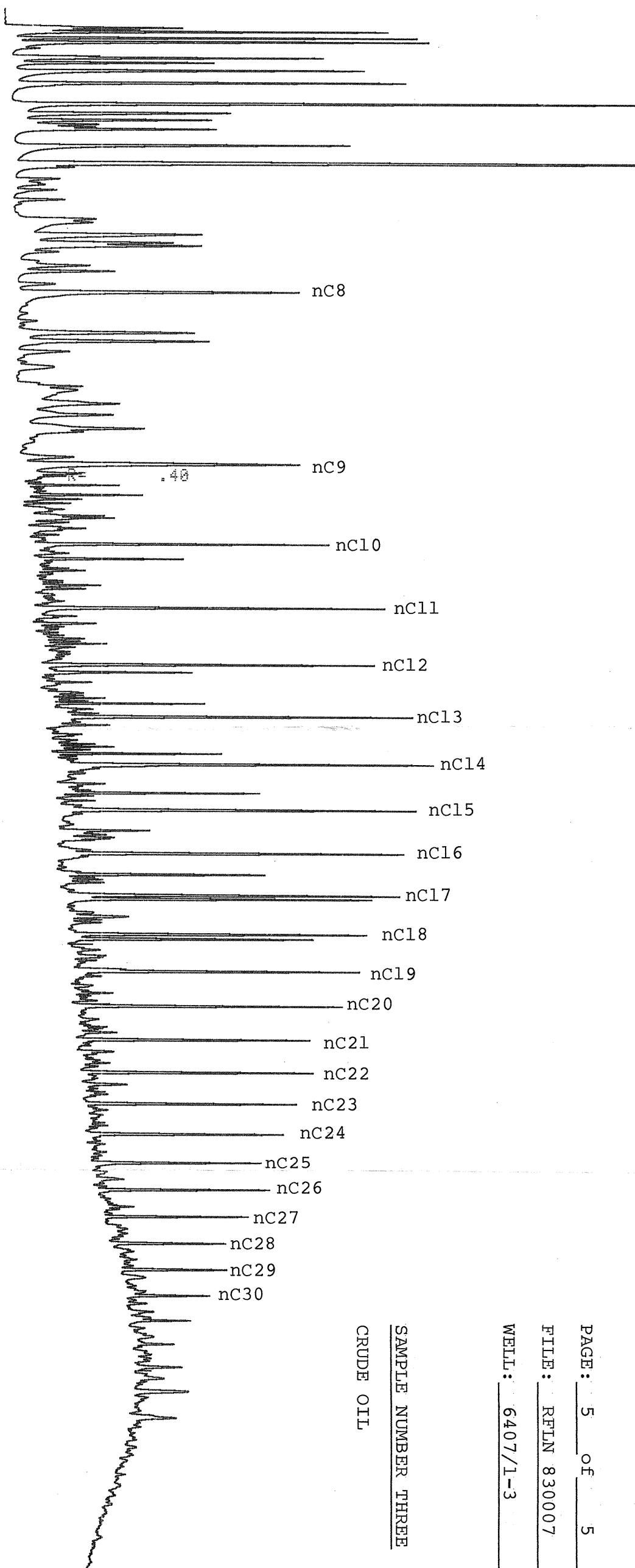
PAGE: 4 of 5  
FILE: RFLN 830007  
WELL: 6407/1-2

SAMPLE NUMBER TWO  
DARK CONDENSATE



Plottine factors 115000.000 \*\*\*\*\*

Trilab 2000 Analysis 1.74  
SAMPLE A053 0949 270184 (.20 .40R)



SAMPLE NUMBER THREE  
CRUDE OIL

PAGE: 5 OF 5  
FILE: RFIN 830007  
WELL: 6407/1-3