Petroleum Reservoir Engineering ABERDEEN, SCOTLAND

WELLSTIE GAS ANALYSIS

FOR

STATOIL A/S

WELL: 34/10-18 REF: SCL 152/14

Petroleum Reservoir Engineering ABERDEEN, SCOTLAND

28 October 1983

Statoil A/S Forus P.O. Box 300 4001 Stavanger Norway

Attn: Jon Hanstveit Subject: Wellsite Gas Analysis

Well No: 34/10-18 Location: North Sea State: Norway Our Ref: SCL 152/14

Dear Sirs

This report details the work performed by Core Laboratories Chemist G.Bruce during the testing of well 34/10-18.

Analysis was performed upon produced gas, the results obtained being detailed in this report. Also included is a record of events pertinent to the visit of the Core Laboratories personnel.

We trust that the service provided has met with your approval and look forward to being of further assistance.

Yours faithfully CORE LABORATORIES UK LIMITED

Roger J. Inns

Laboratory Supervisor.

RJI/ac:

7cc/adressee:

Petroleum Reservoir Engineering ABERDEEN, SCOTLAND

COMPANY: Statoil A/S IOCATION: Offshore Ross Isle

WELL NO: 34/10-18 STATE: Norway

FIELD: Wildcat FILE NO: SCL 153/14

#### Record of Events G.Bruce

14/9/83: G.Bruce flew Aberdeen - Flesland Bergen.

15/9/83: Checked in Bergen Flesland 0730hrs. Flew to Ross Isle.

Located gas testing equipment.

Schlumberger run in to perforate for DST No.2 3177-3187m.

16/9/83: 1504hrs DST No.2 Initial flow LPR-valve opened.

1513hrs Choke manifold opened. 1514hrs Choke manifold closed. 1516hrs LPR-valve closed.

1619hrs DST No.2, second flow LPR-valve opened.

1621hrs Choke manifold opened.

1703hrs Flow directed through test separator.

17/9/83: OlOOhrs Test separator by passed.

OlOlhrs Choke manifold closed.

1000hrs DST No.2, third flow choke manifold opened.

1028hrs Flow directed through test separator.

1701hrs Test separator by passed.

1703hrs Choke manifold closed end DST No.2

Rig down equipment.

18/9/83: Equipment sent to Deep Sea Bergen by boat.

Awaiting transfer to Deep Sea Bergen. P.O.O.H. test string for DST No.2

19/9/83: Fly to Deep Sea Bergen.

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# WELLSITE GAS ANALYSIS

# AND GAS SAMPLING

COMPANY: Statoil A/S LOCATION:

OCATION: Offshore Ross Isle

WELL NO: 34/10-18 STATE: Norway

FIELD: Wildcat FILE NUMBER: SCL 152/14

DST No: 2 Flow Period: 2nd and 3rd

Interval Tested: 3177 - 3187m

			DRA	GER
DATE	TIME,hrs	SAMPLING POINT	CARBON DIOXIDE % VOLUME	HYDROGEN SULPHIDE PPM VOLUME
16/9/83	1431 1440 1454 1921 2030 2200	Choke Manifold Choke Manifold Choke Manifold Test Separator Test Separator Test Separator	1.0 2.0 2.0 2.0 2.0 1.5	L 0.5 0.5 1.0 0.7 1.0 1.0
17/9/83	0045	Test Separator	1.5	1.0
17/9/83	1225 1400 1500 1600	Test Separator Test Separator Test Separator Test Separator	1.5 - 1.5 -	1.2 1.5 1.5 1.2
L = Less	s Than			

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# WELLSITE GAS ANALYSIS

# AND GAS SAMPLING

COMPANY:

Statoil A/S

LOCATION:

Offshore Ross Isle

WELL NO:

34/10-18

STATE:

Norway

FIELD:

Wildcat

FILE NUMBER: SCL 152/14

DST No:

2

Flow Period: 2nd

Interval Tested: 3177 - 3187m

DATE	TIME,hrs	CARBON DIOXIDE SAMPLED FROM TEST SEPARATOR % VOLUME (UOP 172-59 @ 13.5°C 989 mb)
16/9/83	1850 1921 1930 2000 2030 2100 2130 2200 2230 2300 2330	2.0 2.0 1.9 1.9 1.7 1.9 1.8 1.9
17/9/83	0040	1.8

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## WELLSITE GAS ANALYSIS

## AND GAS SAMPLING

COMPANY:

Statoil A/S

LOCATION:

Offshore Ross Isle

WELL NO:

34/10-18

STATE:

Norway

FIELD:

Wildcat

FILE NUMBER:

SCL 152/13

DST No:

Flow Period:

3rd

Interval Tested: 3177 - 3187m

DATE	TIME,hrs	CARBON DIOXIDE % VOLUME	SAMPLED FROM TEST SEPARATOR (UOP 172-59 @ 13.5°C & 995 mb)
17/9/83	1051 1135 1230 1330 1400 1430 1500 1530 1600	1.8 1.9 1.8 1.7 1.8 1.7 1.9 1.8 1.7	

# Fetroleum Reservoir Engineering ABERDFEN, SCOTLAND

#### WELLSITE GAS ANALYSIS

#### AND SAMPLING

COMPANY: Statoil A/S LOCATION: Offshore Ross Isle

WELL NO: 34/10-18 STATE: Norway

FIELD: Wildcat FILE NO: SCL 152/14

DST NO. 2 FLOW PERIOD: 2nd and 3rd

Interval Tested: 3177 - 3187m

#### Hydrogen Sulphide

16/9/83: 1847-2330hrs 1.7 ppm vol @ 760 mmHg &  $60^{\circ}$ F (ASTM 2385) 17/9/83: 1130-1600hrs 1.9 ppm vol @ 1000 mb &  $0^{\circ}$ C (UOP 212-77)

#### Mercaptan Sulphur

16/9/83: 1847-2330hrs O.4 ppm wt/vol @ 760 mmHg & 60°F (ASTM 2385) 17/9/83: 1130-1600hrs O.2 ppm wt/vol @ 1000 mb & 0°C (UOP 212-77)

#### Carbonyl Sulphide

No result available - test abandoned due to urgency of transporting equipment to the 'Deep Sea Bergen'.

#### Water Content

17/9/83: 1135-1445hrs 154.7 litres of gas sampled @ 1000 mb &  $0^{\circ}$ C

Result: 1.29 g/cu m.

# Mercury Content

17/9/83: 1445-1700hrs 131.7 litres of gas sampled @ 1000 mb  $0^{\circ}$ C

(Corelab procedure). Result: 3.2 micrograms/cu m.

17/9/83: 1118-1600hrs 354.2 litres of gas sampled @ 1000 mb 0°C

Results to follow (Geomet)

Petroleum Reservoir Engineering ABERDEEN, SCOTLAND

STATOIL A/S

SCL 152/14

CORE LABORATORIES UK LIMITED Chemistry Division

Roger J. Inns Laboratory Supervisor.