PIERRE0010092709 D68101 10-Oct-1997 09:27 34/11-3 & 34/11-3T2

Norsk Hydro, BP

PARTNERS

STATOIL

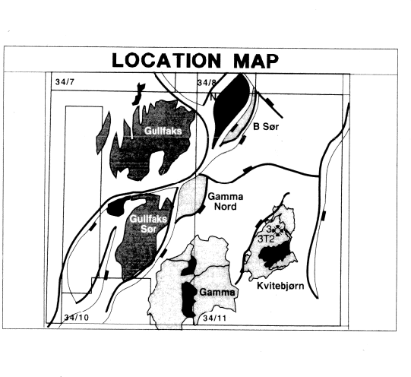
34/11-3 and 34/11-3T2
WELL

Alpha Structure
PROSPECT STRUCTURE

COMPOSITE LOG
1 : 500

AREA:	North Sea
LICENCE:	PL193
COORDINATES:	61° 05' 45.26" N, 6 773 726mN 02° 31' 06.53" E, 474 034mE
K.B.:	25m
WATER DEPTH:	208m
TOTAL DEPTH:	4482mMD RKB/4451.5mTVD MSL
FM. AT T.D.:	Statfjord Formation
SPUD DATE:	1st August 1996
RIG RELEASE:	17th January 1997
WELL STATUS:	Perm. P&A, gas / cond. well
RIG:	Deepsea Trym
CONTRACTOR:	Odfjell Drilling Stavanger
GEOLOGIST:	D.Phillips, J.Robinsen, Ø.Eikefet, O.Hunnes, J.Hopkinson, O.Beyer, T.F.Kristensen, J.Basset
PREPARED BY:	T. Bjørgen DATE: 01.10.97

LOCATION MAP



CASING DATA

30"	293 mMD
20"	1089 mMD
13 3/8"	3465 mMD
9 5/8"	3972 mMD

LEAK OFF TESTS

1.66 g/cc
1.98 g/cc
2.10 g/cc (FIT)

VELOCITY SURVEY

A zero incidence VSP survey was shot in 34/11-3.
One survey was shot in 34/11-3 from 3452m to 1540m, and one survey was shot in 34/11-3T2 from 4224m to 3285m.

LOGS RUN

CONTRACTOR: WALS / BHI

34/11-3:	34/11-3T2:		MWD logging:
DLL-MAC-CNL-ZDL-GR 1A: 1089 - 3458M ZDL-CNL-GR 1A: 3452 - 3452M DLL-MAC-ZDL-GR 2B: 3982 - 3466M FMT-GR 3A: 4031 - 4036M VSP-GR 1A: 1540 - 3452M	HDIL-MLL-MAC-DGR-CHT 4C: 3750-4227M DPIL-ZDL-CNL-DSL-CHT 4C: 3972 - 4227M DIPLOG-GR-CHT 4A: 3972 - 4205M FMT-GR 4B: 4144.6-4040.5M VSP-GR 4B: 3285 - 4095M 4C: 4080 - 4224M	MDT-GR 4A: 4037 - 4156M 4B: 4040 - 4186M SWC-GR 4A: 4004 - 4205M	Run 1-12 in 34/11-3 Run 13-14 in 34/11-3T2

COMMENTS:

The well was plugged back at TD (4482m MD) due to BOP repair. When reentering the hole the well was unintentionally sidetracked from 4009m MD to 4234m MD due to hard cement. All conventional cores were cut in the original hole. All reservoir logging was performed in the sidetrack. Only MWD logs in the lower part of the original hole (34/11-3). The side track is displayed at the bottom of the Composite Log

LITHOLOGICAL SYMBOLS

CONGLOMERATE	SHALE	MARL	COAL LIGNITE	FORAMS	MICA
SAND SANDSTONE	LIMESTONE	TUFF	WOOD FRAGS	BURROWS	KAOLINITE
SILT SILTSTONE	CHALK	SALT GEN'L	FOSSILS GEN'L	PYRITE	CHERT
CLAY CLAYSTONE	DOLOMITE	ANHYDRITE	SHELL FRAGS	GLAUCONITE	SIDERITE

CUTTINGS/FLUORESCENCE ◊ OIL SHOW ● OIL/GAS SHOW ✸ GAS SHOW ☼

AZIMUTH & INCLINATION

SIDEWALL CORES
1.5 ▶ SIDEWALL CORE
2.8 ▷ NO RECOVERY
R 1.2 ▶ ROTARY SIDEWALL CORE

CORES
CORE NO

DST

RFT/FMT
SAMPLE

CASING SHOE / LINER

CHRONO STRAT UNCERTAINTY

Chron Strat
Litho Strat
WIRELINE LOGS
Lithological Descriptions
System
Series
Stage
Depth
Group
Formation
Depositional Environment
HGR(api) 0 150
HCAL(inches) 6.00 16
HRM(ohmm) 0.20 20
HRD(ohmm) 0.20 20
HDEN(g/cc) 1.95 2.95
HCNL(pu) 45 -15
HAC(usec/f) 140 40
150
200
250
AIR GAP 25 m WATER DEPTH 208 m
NORDLAND GROUP 233 mMD (-208 mTVD MSL)
ALL RETURNS FOR THE INTERVAL 233 - 1115 m TO SEAFLOOR
30" CASING SHOE AT 293 mMD
UTSIRA FORMATION 851m MD (- 825.5m TVD MSL)
HORDALAND GROUP 986 mMD (-961 mMSL) TWT: 1.015
20" CASING AT 1089 mMD LOT: 1.66 g/cc
ROGALAND GROUP
BALDER FORMATION 1904 mMD (- 1878 mTVD MSL) TWT: 1.891
SELE FORMATION 1959 mMD (-1933 mTVD MSL)
LISTA FORMATION 1964 mMD (-1938 mTVD MSL)
SHETLAND GROUP 2118 mMD (-2092 mTVD MSL) TWT: 2.069
13 3/8" CASING AT 3465 mMD LOT: 1.98 G/CC
SVARTE FORMATION 3534 mMD (-3506 mTVD MSL) TWT: 3.069
CROMER KNOLL GROUP 3771mMD (-3742.5 mTVD MSL) TWT: 3.206
VIKING GROUP
DRAUPNE FORMATION 3960 mMD (-3931 mTVD MSL)
HEATHER FORMATION 4010 mMD (-3981.5 mTVD MSL)
BRENT GROUP
TARBERT FORMATION 4035 mMD (-4006 m TVD MSL)
NESS FORMATION 4050 mMD (-4021 m TVD MSL)
ETIVE FORMATION 4140 mMD (- 4111 m TVD MSL)
RANNOCH FORMATION 4155 mMD (-4126 m TVD MSL)
DUNLIN GROUP
DRAKE FORMATION 4197 mMD (-4168 m TVD MSL)
COOK FORMATION 4261 mMD (-4232 mTVD MSL)
BURTON FORMATION 4304 mMD (-4274 mTVD MSL)
AMUNDSEN FORMATION 4360 mMD (-4329 mTVD MSL)
STATFJORD FORMATION 4471 mMD (-4440 mTVD MSL)
TD : 4482m MD RT (4451.5m TVD MSL)
LOWER JURASSIC
Upper Pliensbachian
?Upper Toarcian
Lower Bajocian - ? Aa
DUNLIN GROUP
DRAKE FORMATION
COOK FORMATION
BURTON FORMATION
AMUNDSEN FORMATION
Fluviodeltaic
Marine, Inner shelf