



Generell informasjon

Brønnbane navn	34/10-18
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	34/10-18
Seismisk lokalisering	ST 8214 - 402 SP 190
Utvinningstillatelse	050
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	382-L
Boreinnretning	ROSS ISLE
Boredager	46
Borestart	16.07.1983
Boreslutt	30.08.1983
Frigitt dato	30.08.1985
Publiseringsdato	30.09.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	141.0
Totalt målt dybde (MD) [m RKB]	3025.0
Totalt vertikalt dybde (TVD) [m RKB]	3024.0
Maks inklinasjon [°]	5.7
Temperatur ved bunn av brønnbanen [°C]	90
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	STATFJORD GP
Geodetisk datum	ED50
NS grader	61° 14' 22.48" N
ØV grader	2° 3' 18.83" E
NS UTM [m]	6790001.13
ØV UTM [m]	449285.34
UTM sone	31
NPDID for brønnbanen	23

**Brønnhistorie****General**

Well 34/10-18 is located in the Tampen Spur area, south of the Vigdis Field and west-north-west of the Gullfaks Field. The primary objective was the Brent Group sandstones of Middle Jurassic age. Secondary objectives were Early Jurassic Cook and Statfjord Formation sandstones.

Operations and results

Wildcat well 34/10-18 was spudded with the semi-submersible installation Ross Isle on 17 July 1983. A 12 1/4" pilot hole was drilled from the 30" casing shoe to 765 m to check for shallow gas. No shallow gas was seen, but lost circulation occurred in shallow sand lenses when the pilot was underreamed to 26". A 17 1/2" hole was drilled and logged to 2024 m. Two joints of 13 3/8" casing were dropped in the hole. The hole was cemented back to 1882 m and sidetracked from 1900 m and drilled without significant problems to TD at 3025 m in the Early Jurassic Statfjord Formation. The well was drilled with spud mud down to 765 m and with gel/Lignosulphonate mud from 765 m to TD.

No live oil was seen in the well, but a 3.5 m unproductive oil-zone was encountered in a sandy/marly and cemented limestone at the base of a very thin Cromer Knoll sequence (Mime Formation). The average porosity was 24.3% and the average water saturation was 53.4%, but due to tight formation the RFT was not able to obtain any pressure points in this zone. The permeability range was 0.1 to 1 mD. Only residual hydrocarbons were encountered in the Brent sandstones. Here, the logs indicated an average water saturation of 95% and an average porosity of 24.2% in the net sand. The RFT plot suggested a water gradient of 1.00 g/cc in the Brent Group. Weak oil shows typically described as "hydrocarbon fluorescence in sandy tuffaceous material" were recorded in the Balder Formation.

Three cores were cut in the well. Core 1 was cut in the Early Cretaceous and into the Upper Jurassic and core 2 in the Late Jurassic Heather Formation. Core 3 was cut in the Middle Jurassic Tarbert Formation. No wire line fluid samples were taken.

The well was permanently abandoned on 30 August 1983 as a well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
230.00	3025.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2344.0	2357.0	[m]
2	2361.0	2368.0	[m]
3	2376.5	2394.0	[m]

Total kjerneprøve lengde [m]	37.5
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2343-2347m



2347-2351m



2351-2355m



2355-2357m



2361-2365m



2365-2368m



2376-2380m



2380-2384m



2384-2388m



2388-2392m



2392-2395m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
2362.0	[m]	C	GEOCH
2362.5	[m]	C	GEOCH
2362.8	[m]	C	GEOCH
2363.5	[m]	C	GEOCH



2364.0	[m]	C	GEOCH
2364.5	[m]	C	GEOCH
2365.0	[m]	C	GEOCH
2365.5	[m]	C	GEOCH
2365.9	[m]	C	GEOCH
2366.4	[m]	C	GEOCH
2366.8	[m]	C	GEOCH
2367.0	[m]	C	GEOCH
2367.3	[m]	C	GEOCH
2367.6	[m]	C	GEOCH

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
163	NORDLAND GP
983	UTSIRA FM
994	HORDALAND GP
1180	NO FORMAL NAME
1246	NO FORMAL NAME
1406	NO FORMAL NAME
1470	NO FORMAL NAME
1690	ROGALAND GP
1690	BALDER FM
1750	LISTA FM
1878	SHETLAND GP
1878	JORSALFARE FM
2107	KYRRE FM
2337	CROMER KNOLL GP
2337	RØDBY FM
2340	MIME FM
2351	VIKING GP
2351	DRAUPNE FM
2355	HEATHER FM
2373	BRENT GP
2373	TARBERT FM
2412	NESS FM
2495	ETIVE FM
2524	RANNOCH FM
2595	BROOM FM



2604	DUNLIN GP
2604	DRAKE FM
2688	COOK FM
2785	BURTON FM
2843	AMUNDSEN FM
2978	STATFJORD GP

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
23_1	pdf	1.09
23_2	pdf	0.10
23_3	pdf	2.46
23_4	pdf	11.53
23_5	pdf	15.17
23_6	pdf	16.23
23_7	pdf	12.20

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
23_01_WDSS_General_Information	pdf	0.18
23_02_WDSS_completion_log	pdf	0.30

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
23_34_10_18_Completion_log	pdf	1.75
23_34_10_18_Completion_Report	PDF	22.91
23_34_10_18_Formation_Evaluation	pdf	4.68
23_34_10_18_Geokjemisk_Analyse	pdf	0.06
23_34_10_18_Stratigraphical_Paleontological_Report	pdf	10.07
23_34_10_18_Wellsite_Gas_Analysis	pdf	0.10

Logger





Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL	162	2007
CST	2108	3008
ISF LSS MSFL GR	155	3024
LDL CNL GR CAL	227	3025
RFT	2330	2543
SHDT	2007	3025

Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	30	226.5	36	227.5	0.00	LOT
SURF.COND.	20	747.0	26	765.0	1.57	LOT
INTERM.	13 3/8	2008.0	17 1/2	2024.0	1.80	LOT
OPEN HOLE		3025.0	12 1/4	3025.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
270	1.05	47.0		waterbased	
750	1.09	50.0		waterbased	
1780	1.11	62.0		waterbased	
2050	1.32	54.0		waterbased	
2330	1.65	45.0		waterbased	
2660	1.58	48.0		waterbased	