



Generell informasjon

Brønnbane navn	34/7-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	34/7-2
Seismisk lokalisering	SG 8231 - 106 SP. 287
Utvinningstillatelse	089
Boreoperatør	Saga Petroleum ASA
Boretillatelse	424-L
Boreinnretning	TREASURE SAGA
Boredager	39
Borestart	02.09.1984
Boreslutt	10.10.1984
Frigitt dato	10.10.1986
Publiseringsdato	26.10.2009
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	245.0
Totalt målt dybde (MD) [m RKB]	2475.0
Totalt vertikalt dybde (TVD) [m RKB]	2475.0
Maks inklinasjon [°]	1.75
Temperatur ved bunn av brønnbanen [°C]	92
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	LUNDE FM
Geodetisk datum	ED50
NS grader	61° 17' 57.16" N
ØV grader	2° 9' 40.9" E
NS UTM [m]	6796565.81
ØV UTM [m]	455067.40
UTM sone	31
NPDID for brønnbanen	233



Brønnhistorie

General

Well 34/7-2 was drilled just north of the Tordis Øst discovery in the northern North Sea. The main objectives were to test for hydrocarbons in the Jurassic Statfjord Formation and in the Triassic Lunde Formation.

Operations and results

Wildcat well 34/7-2 was spudded with the semi-submersible installation Treasure Saga on 2 September 1984 and drilled to TD at 2475 m in the Late Triassic Lunde Formation. A total of 83 hours rig time was NPT due to repairs resulting from a failed RIH with the 26" bit after underreaming to 816 m, and a leak in the acoustic system discovered after setting the 9 5/8" casing at 2031 m. The well was drilled with seawater and hi-vis pills down to 848 m, with KCl/polymer mud from 848 m to 2042 m, and with lignosulfonate mud from 2042 m to TD. No shallow gas was encountered.

Except for the sandy Utsira Formation and two sandstone units in the Hordaland Group (in the order of 40 - 50 m each) the well proved mainly claystones down to the Statfjord Formation at 2152 m. At BCU (2085 m) there was a major hiatus from Pliensbachian to Campanian. The Lunde Formation was encountered at 2271 m. The gross thickness of the Statfjord in this well is 119 m with 43.5 m of net sand. The well drilled some 204 m into the Lunde Formation, which in the upper part proved a siltstone sequence with minor sandstone and claystone, while the lowermost 117 m proved a sequence of sandstones alternating with claystones. Of this sequence some 41.3 m could be considered as net. No live hydrocarbons were encountered by the well. Residual oil was found in base Amundsen - top Statfjord Formations, however, cores showed low porosity and essentially no net sand. Extraction data from geochemical analyses also indicate migrated hydrocarbons in the Shetland Group.

Three cores totalling 28.8 m (recovered 22 m, 76% recovery) were cut across the stratigraphic border zone between Amundsen Formation (Dunlin Group) and Upper Statfjord Formation. The FMT tool was run to acquire pressure data and one FMT fluid sample was taken at 2110.5 m. It recovered only mud filtrate.

The well was permanently abandoned on 10 October 1984 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
420.00	2475.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2147.3	2160.2	[m]
2	2161.6	2164.0	[m]
3	2168.6	2175.8	[m]

Total kjerneprøve lengde [m]	22.5
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2147-2153m



2153-2158m



2159-2160m



2161-2164m



2168-2174m



2174-2175m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1048.0	[m]	SWC	RRI
1084.0	[m]	SWC	RRI
1138.0	[m]	SWC	RRI
1157.0	[m]	SWC	RRI
1192.0	[m]	SWC	RRI
1227.0	[m]	SWC	RRI
1287.0	[m]	SWC	RRI
1336.5	[m]	SWC	RRI
1426.0	[m]	SWC	RRI



1480.0 [m]	SWC	RRI
1560.0 [m]	DC	RRI
1580.0 [m]	DC	RRI
1595.0 [m]	SWC	RRI
1610.0 [m]	DC	RRI
1615.0 [m]	SWC	RRI
1620.0 [m]	DC	RRI
1650.0 [m]	SWC	RRI
1680.0 [m]	DC	RRI
1710.0 [m]	DC	RRI
1730.0 [m]	DC	RRI
1745.0 [m]	SWC	RRI
1784.0 [m]	DC	RRI
1814.0 [m]	DC	RRI
1844.0 [m]	DC	RRI
1863.0 [m]	SWC	RRI
1874.0 [m]	DC	RRI
1887.0 [m]	SWC	RRI
1905.0 [m]	SWC	RRI
1919.0 [m]	DC	RRI
1940.0 [m]	SWC	RRI
1953.0 [m]	SWC	RRI
1967.0 [m]	DC	RRI
1979.0 [m]	DC	RRI
1998.0 [m]	SWC	RRI
2010.0 [m]	SWC	RRI
2025.0 [m]	SWC	RRI
2039.0 [m]	DC	RRI
2040.0 [m]	SWC	RRI
2054.0 [m]	DC	RRI
2060.0 [m]	SWC	RRI
2069.0 [m]	DC	RRI
2077.5 [m]	SWC	RRI
2083.0 [m]	SWC	RRI
2084.0 [m]	DC	RRI
2099.0 [m]	DC	RRI
2114.0 [m]	DC	RRI
2127.0 [m]	SWC	RRI
2129.0 [m]	DC	RRI
2143.0 [m]	SWC	RRI



2144.0	[m]	DC	RRI
2148.7	[m]	C	RRI
2154.9	[m]	C	RRI
2162.8	[m]	C	RRI
2168.3	[m]	SWC	RRI
2189.0	[m]	DC	RRI
2193.0	[m]	SWC	RRI
2204.0	[m]	DC	RRI
2208.5	[m]	SWC	RRI
2300.0	[m]	DC	RRI
2340.0	[m]	DC	RRI
2360.0	[m]	DC	RRI
2420.0	[m]	DC	RRI

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
271	NORDLAND GP
1026	UTSIRA FM
1035	HORDALAND GP
1227	NO FORMAL NAME
1282	NO FORMAL NAME
1375	NO FORMAL NAME
1415	NO FORMAL NAME
1640	ROGALAND GP
1640	BALDER FM
1647	LISTA FM
1757	SHETLAND GP
1757	JORSALFARE FM
1842	KYRRE FM
2085	DUNLIN GP
2085	AMUNDSEN FM
2152	STATEJORD GP
2271	HEGRE GP
2271	LUNDE FM

Geokjemisk informasjon





Dokument navn	Dokument format	Dokument størrelse [KB]
233_1	pdf	0.33
233_2	pdf	4.85

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
233_01_WDSS_General_Information	pdf	0.21
233_02_WDSS_completion_log	pdf	0.23

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
233_01_34_7_2_Completion_Report_and_Log	pdf	13.04

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC GR	2120	2472
CALI	394	850
CALI	848	1524
CALI	848	1539
CALI	1550	2040
CALI	1553	2041
CDL CNL GR	2032	2468
CDL DNL GR	2120	2468
CDL GR	484	1559
CDL GR	1550	2038
COREGUN	415	845
COREGUN	865	1557
COREGUN	1560	2025
COREGUN	1720	2470
DIFL BHC GR	394	860
DIFL BHC GR	848	1565
DIFL BHC GR	1550	2041





DIFL BHC GR	2032	2176
DIFL BHC GR	2032	2473
DIPLOG	2032	2471
DL LMLL GR	2120	2473
FMT	2138	2458
FMT	2152	2171
GR	0	397
SL	2032	2463
VELOCITY	272	2473

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	394.0	36	684.0	0.00	LOT
SURF.COND.	20	848.0	26	861.0	1.58	LOT
INTERM.	13 3/8	1549.0	17 1/2	1570.0	1.69	LOT
INTERM.	9 5/8	2031.0	12 1/4	2042.0	1.88	LOT
OPEN HOLE		2475.0	8 1/2	2475.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
330	1.05	100.0	20.0	WATER BASED	03.09.1984
397	1.05	100.0	20.0	WATER BASED	06.09.1984
412	1.05	100.0	20.0	WATER BASED	06.09.1984
684	1.10	100.0	20.0	WATER BASED	06.09.1984
861	1.13	15.0	25.0	WATER BASED	10.09.1984
861	1.16	15.0	30.0	WATER BASED	12.09.1984
861	1.16	10.0	41.0	WATER BASED	10.09.1984
861	1.16	15.0	30.0	WATER BASED	12.09.1984
861	1.16	10.0	41.0	WATER BASED	10.09.1984
1565	1.37	41.0	21.0	WATER BASED	17.09.1984
1565	1.22	16.0	21.0	WATER BASED	16.09.1984
1565	1.37	41.0	21.0	WATER BASED	17.09.1984
1570	1.44	42.0	24.0	WATER BASED	20.09.1984
1766	1.50	46.0	20.0	WATER BASED	25.09.1984
2025	1.59	46.0	20.0	WATER BASED	25.09.1984



2042	1.59	47.0	16.0	WATER BASED	25.09.1984
2042	1.59	47.0	16.0	WATER BASED	25.09.1984
2042	1.59	50.0	20.0	WATER BASED	25.09.1984
2148	1.80	55.0	12.0	WATER BASED	29.09.1984
2169	1.80	55.0	18.0	WATER BASED	01.10.1984
2177	1.80	55.0	17.0	WATER BASED	01.10.1984
2242	1.72	50.0	14.0	WATER BASED	01.10.1984
2313	1.71	50.0	16.0	WATER BASED	01.10.1984
2410	1.71	50.0	16.0	WATER BASED	03.10.1984
2475	1.71	45.0	15.0	WATER BASED	03.10.1984
2475	1.71	44.0	14.0	WATER BASED	04.10.1984
2475	1.71	45.0	12.0	WATER BASED	07.10.1984
2475	1.71	51.0	13.0	WATER BASED	07.10.1984
2475	1.71	44.0	14.0	WATER BASED	04.10.1984
2475	1.71	51.0	13.0	WATER BASED	07.10.1984
2475	1.71	45.0	12.0	WATER BASED	07.10.1984

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
4512.80	[m]
4514.70	[m]
4516.35	[m]
4518.90	[m]

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnsparke. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
233 Formation pressure (Formasjonstrykk)	pdf	0.21

