



Generell informasjon

Brønnbane navn	7125/1-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Funn	7125/1-1 (Binne)
Brønn navn	7125/1-1
Seismisk lokalisering	GWF - 2 - 24 SP 988
Utvinningstillatelse	135
Boreoperatør	Saga Petroleum ASA
Boretillatelse	597-L
Boreinnretning	ROSS RIG (2)
Boredager	31
Borestart	30.11.1988
Boreslutt	30.12.1988
Frigitt dato	30.12.1990
Publiseringsdato	11.01.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	EARLY JURASSIC
1. nivå med hydrokarboner, formasjon.	STØ FM
2. nivå med hydrokarboner, alder	MIDDLE TRIASSIC
2. nivå med hydrokarboner, formasjon	KOBBE FM
Avstand, boredekk - midlere havflate [m]	23.5
Vanndybde ved midlere havflate [m]	252.2
Totalt målt dybde (MD) [m RKB]	2200.0
Totalt vertikalt dybde (TVD) [m RKB]	2199.0
Maks inklinasjon [°]	2.1
Temperatur ved bunn av brønnbanen [°C]	64
Eldste penetrerte alder	MIDDLE TRIASSIC
Eldste penetrerte formasjon	KOBBE FM



Geodetisk datum	ED50
NS grader	71° 53' 24.26" N
ØV grader	25° 11' 15.46" E
NS UTM [m]	7977833.23
ØV UTM [m]	437126.92
UTM sone	35
NPDID for brønnbanen	1350

Brønnhistorie

General

Well 7125/1-1 was drilled in the Lopparyggen East area on the southern end of the Bjarmeland Platform towards the Nyslepp Fault Complex. The primary purpose of the well was to test for hydrocarbons in the Late Triassic/Early Jurassic sandstones of the Kapp Toscana Group. These were found hydrocarbon bearing in well 7124/3-1. A secondary objective was to test for hydrocarbons in the underlying Middle Triassic Kobbe Formation. In well 7124/3-1 weak oil shows were seen in sands from this formation.

Operations and results

Wildcat well 7125/1-1 was spudded with the semi-submersible installation Ross Rig 30 November 1988 and drilled to TD at 2200 m in Triassic rocks. Drilling proceeded without significant problems. The well was drilled with spud mud down to 818 m and with KCl / polymer mud from 818 m to TD.

There was no indication of shallow gas in the hole. The well proved a significant reservoir development in the Kapp Toscana Group where 130 m sandstone with good reservoir properties was indicated. Top of Kapp Toscana Group, Stø Formation, was encountered at 1399 m. Logs and RFT showed a thin oil zone of 1 - 1.5 m from 1403.5 - 1405 m. Oil shows were seen from 1402.5 m down to 1435 m in sandstones. In the interval 1405 -2200 pressure point measurements show a gradient of 1.14 SG, which indicate saline formation water. The Triassic Kobbe Formation was encountered at 2104.5 m. Gas was encountered in two thin sand intervals in the top of the Kobbe Formation. The upper sand interval (2105.1 m to 2107.8 m) has an average log porosity of 19 % and an average water saturation of 49 %. In the lower sand (2123.5 m to 2125.3 m) the corresponding values are 20.5 and 53, respectively. Gas shows and weak oil shows were observed in thin sand intervals down to 2140 m. One core was taken in the Hekkingen Formation cap rock from 1360 to 1371 m. A second core was taken in the Stø reservoir sandstone from 1406 m to 1434 m. A total of three Repeat Formation Tester (RFT) samples were recovered; an oil sample at 1403.8 m, a water sample at 1405.5 m and a gas/water sample at 2106.3 m.

The well was permanently abandoned as a minor oil and gas discovery on 30 December 1988.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
820.00	2199.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sakkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1360.0	1368.0	[m]
2	1406.0	1434.0	[m]

Total kjerneprøve lengde [m]	36.0
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



1406-1411m



1411-1416m



1416-1421m



1421-1426m



1426-1431m



1431-1434m

Palynologiske preparater i Sakkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1370.5	[m]	C	ICHRON

Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
276	NORDLAND GP
391	SOTBAKKEN GP
568	NYGRUNNEN GP
568	KVEITE FM
597	KVITING FM
617	ADVENTDALEN GP
617	KOLMULE FM
1314	KOLJE FM
1318	KNURR FM
1344	HEKKINGEN FM
1399	KAPP TOSCANA GP
1399	STØ FM
1521	FRUHOLMEN FM
1612	SNADD FM
2105	SASSENDALEN GP
2105	KOBBE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1350	pdf	0.28

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1350_1	pdf	2.01

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1350_01 WDSS General Information	pdf	0.18
1350_02 WDSS completion log	pdf	0.20





Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1350_7125_1_1_COMPLETION_REPORT_AND_LOG	pdf	18.27

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST	403	645
CST GR	403	645
DIL LSS GR	401	816
DIL LSS GR	804	2180
LDL CNL GR	804	2181
LDL GR	401	816
MWD - GR RES	405	2200
RFT HP	1405	0
RFT HP AMS	1401	2138
RFT HP AMS	1401	2138
SHDL AML GR	804	2183
VSP	400	2184

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	399.0	36	0.0	0.00	LOT
INTERM.	13 3/8	802.0	17 1/2	0.0	1.20	LOT
OPEN HOLE		2200.0	12 1/4	2200.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
314	1.06			WATER BASED	12.12.1988
320	1.25	20.0	5.3	WATER BASED	28.12.1988
402	1.06			WATER BASED	12.12.1988
404	1.06			WATER BASED	12.12.1988





607	1.06			WATER BASED	12.12.1988
818	1.20	14.0	7.2	WATER BASED	12.12.1988
818	1.06			WATER BASED	12.12.1988
955	1.20	11.0	5.8	WATER BASED	12.12.1988
1213	1.25	16.0	7.2	WATER BASED	12.12.1988
1360	1.25	16.0	5.3	WATER BASED	12.12.1988
1360	1.25	15.0	6.3	WATER BASED	12.12.1988
1406	1.25	13.0	6.8	WATER BASED	13.12.1988
1438	1.25	17.0	7.2	WATER BASED	14.12.1988
1567	1.25	13.0	6.3	WATER BASED	15.12.1988
1589	1.25	15.0	6.3	WATER BASED	19.12.1988
1702	1.25	14.0	6.3	WATER BASED	20.12.1988
1759	1.25	18.0	6.8	WATER BASED	20.12.1988
1860	1.25	18.0	6.8	WATER BASED	20.12.1988
1920	1.25	19.0	6.3	WATER BASED	20.12.1988
2034	1.25	20.0	7.2	WATER BASED	21.12.1988
2074	1.25	20.0	6.3	WATER BASED	22.12.1988
2171	1.25	20.0	7.2	WATER BASED	27.12.1988
2200	1.25	19.0	6.3	WATER BASED	27.12.1988
2200	1.25	20.0	5.8	WATER BASED	27.12.1988
2200	1.25	20.0	5.3	WATER BASED	27.12.1988
2200	1.25			WATER BASED	28.12.1988

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
1423.70	[m]
1433.70	[m]
1408.00	[m]
1413.25	[m]
1418.40	[m]
1423.50	[m]
1432.40	[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 brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.





Dokument navn	Dokument format	Dokument størrelse [KB]
1350 Formation pressure (Formasjonstrykk)	pdf	0.24

