



Generell informasjon

Brønnbane navn	7122/7-5 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Felt	GOLIAT
Funn	7122/7-3
Brønn navn	7122/7-5
Seismisk lokalisering	inline 1579 & crossline 2978 (survey NA01M1 3D)
Utvinningstillatelse	229
Boreoperatør	Eni Norge AS
Boretillatelse	1130-L
Boreinnretning	POLAR PIONEER
Boredager	22
Borestart	23.12.2006
Boreslutt	13.01.2007
Frigitt dato	13.01.2009
Publiseringsdato	09.03.2009
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	MIDDLE TRIASSIC
1. nivå med hydrokarboner, formasjon.	KOBBE FM
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	370.0
Totalt målt dybde (MD) [m RKB]	2186.0
Totalt vertikalt dybde (TVD) [m RKB]	1973.0
Maks inklinasjon [°]	46.1
Temperatur ved bunn av brønnbanen [°C]	51
Eldste penetrerte alder	MIDDLE TRIASSIC
Eldste penetrerte formasjon	KOBBE FM



Geodetisk datum	ED50
NS grader	71° 16' 24.7" N
ØV grader	22° 16' 40.43" E
NS UTM [m]	7908600.89
ØV UTM [m]	545789.79
UTM sone	34
NPDID for brønnbanen	5465

Brønnhistorie

General

Well 7122/7-5 A is a side track to well 7122/7-5 well, which was as an exploration well on the Goliat West Prospect, a downthrown fault compartment compared to the proved hydrocarbon accumulations of Goliat. Well 7122/7-5 penetrated reservoirs in the Early Jurassic/Late Triassic Realgrunnen Group, the Late Triassic Snadd Formation, and the Middle Triassic Kobbe Formation and into the Early Triassic Havert Formation. All reservoirs were found water bearing. Sidetrack well 7122/7-5 A was drilled to explore the potential of the Kobbe Formation on the east up thrown side of the fault.

Operations and results

Well 7122/7-5 A was drilled with the semi-submersible installation Polar Pioneer. The well was kicked off below the 13 3/8" casing from 1075 m on 23 December 2006 and drilled to TD at 2186 m (1973 m TVD RKB) in the Middle Triassic Kobbe Formation. Some problems with the MWD and with tight hole were experienced. Formate mud previously used for drilling the 7122/7-1, -2, -3, -4S, and -5 was used from kick-off to TD.

Top Triassic was encountered at 1200 m. The top Snadd Formation was encountered at 1286 m, 4 m TVD deeper than prognosis. Top Kobbe Formation was encountered at 1844 m, with top of the oil-bearing reservoir at 1944 m (1761.8 m TVD MSL), 9.2 m TVD shallower than prognosis. The oil-water contact was interpreted to be at 2014 m (1817m MSL) based on intersecting oil and water gradients. No oil shows were observed above Kobbe level. Shows on cuttings were observed from 1940 m down to Total Depth at 2186 m.

No conventional cores were taken in the well. The MDT (Modular Dynamic Tester) was used for fluid sampling. Oil was sampled from the Kobbe reservoir at 1998.5 m, and at 1978.0 m.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1100.00	2186.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
394	NORDLAND GP
643	NYGRUNNEN GP
643	KVITING FM
655	ADVENTDALEN GP
655	KOLMULE FM
961	KOLJE FM
998	KNURR FM
1080	HEKKINGEN FM
1168	FUGLEN FM
1200	KAPP TOSCANA GP
1200	TUBÅEN FM
1218	FRUHOLMEN FM
1286	SNADD FM
1844	SASSENDALLEN GP
1844	KOBBE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
5465	pdf	0.24

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AC HRLA TLD HGNS ECS HNGS	1985	2050
MDT GR PPC MSIP	1945	2033
MSCT GR	1940	2015
MWD - HR RES	1030	2186
VSP GR ACT	574	2060

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
INTERM.	9 5/8	1895.0	12 1/4	1907.0	1.73	LOT
OPEN HOLE		2186.0	8 1/2	2186.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1760	1.31	13.0		FORMPRO	
1839	1.31	15.0		FORMPRO	
2186	1.30	13.0		FORMPRO	
2186	0.00			SEAWATER	

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]
5465 Formation pressure (Formasjonstrykk)	pdf	0.28

