



Generell informasjon

Brønnbane navn	6706/12-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Felt	AASTA HANSTEEN
Funn	6706/12-2 (Snefrid Nord)
Brønn navn	6706/12-2
Seismisk lokalisering	3D seismic survey: ST11M09Z14-inline 2429 & xline 1981
Utvinningstillatelse	218
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1561-L
Boreinnretning	TRANSOCEAN SPITSBERGEN
Boredager	30
Borestart	20.02.2015
Boreslutt	21.03.2015
Frigitt dato	21.03.2017
Publiseringsdato	21.03.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE CRETACEOUS
1. nivå med hydrokarboner, formasjon.	NISE FM
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	1312.0
Totalt målt dybde (MD) [m RKB]	2754.0
Totalt vertikalt dybde (TVD) [m RKB]	2754.0
Maks inklinasjon [°]	1
Temperatur ved bunn av brønnbanen [°C]	62
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	NISE FM



Geodetisk datum	ED50
NS grader	67° 5' 8.64" N
ØV grader	6° 52' 0.65" E
NS UTM [m]	7442717.78
ØV UTM [m]	407327.15
UTM sone	32
NPDID for brønnbanen	7651

Brønnhistorie

General

Well 6706/12-2 was drilled to test the Snefrid Nord prospect on the Nyk High in the Norwegian Sea. The primary objective was to prove movable hydrocarbons (gas) in the Nise Formation.

Operations and results

Wildcat well 6706/12-2 was spudded with the semi-submersible Transocean Spitsbergen on 20 February 2015 and drilled to TD at 2754 m in the Late Cretaceous Nise Formation. No significant problem was encountered in the operations. The well was drilled, logged, plugged and abandoned in 29 days. It was drilled with Seawater and hi-vis pills down to 1950 m and with Glydril mud from 1950 m to TD.

The well penetrated Tertiary claystones and limestones, as well as Cretaceous claystones, limestones and sandstones. Top of the Middle Campanian Nise Reservoir was encountered at 2492.6 m. A gas column of 103.4 m and an oil column of 6 m was encountered within the Nise Formation. The oil is biodegraded. A distinct flatspot that crosses the structure is visible in the prospect, and is proven to be a result of the hydrocarbon-water contact.

The ROV measured the temperature at seabed to -0.3°C. One core was cut from 2504 m to 2537.86 m in the Nise Formation reservoir sandstone. MDT fluid samples were taken at 2541 m (gas), 2599 m (oil) and 2650 m (water).

The well was permanently abandoned on 21 March 2015 as a gas and oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1960.00	2754.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2504.0	2537.8	[m]

Total kjerneprøve lengde [m]	33.8
Kjerner tilgjengelig for prøvetaking?	YES

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
MDT		2599.01	0.00	OIL		NO

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
1352	NORDLAND GP
1352	NAUST FM
2090	KAI FM
2180	HORDALAND GP
2180	BRYGGE FM
2219	ROGALAND GP
2219	TARE FM
2260	TANG FM
2378	SHETLAND GP
2378	SPRINGAR FM
2493	NISE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CMR HRLA PEX ECS	2364	2754
FMI MSIP	1396	2730
FMI MSIP	2540	2610



MDT	2493	2685
MDT	2542	2650
MSCT	2455	2455
MWD - GR DIR APWD	1352	1429
MWD - GR RES DIR APWD	1429	2754
MWD - GR RES DIR APWD SON NEU DE	1950	2381
VSP	1369	2754

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	36	1426.5	42	1429.5	0.00	
SURF.COND.	13 3/8	1939.0	17 1/2	1950.0	1.24	FIT
LINER	9 5/8	2380.0	12 1/4	2380.0	1.35	LOT
OPEN HOLE		2754.0	8 1/2	2754.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1950	1.10	7.0		Glydril	
2170	1.11	8.0		Glydril	
2385	1.21	14.0		Deep Water Fluid	
2504	1.22	14.0		Deep Water Fluid	
2609	1.21	13.0		Deep Water Fluid	
2754	1.25	14.0		Deep Water Fluid	