



Generell informasjon

Brønnbane navn	26/10-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	26/10-1 (Zulu Øst)
Brønn navn	26/10-1
Seismisk lokalisering	MC-3D Utstord.inline 1712 & crossline 4769
Utvinningstillatelse	674 BS
Boreoperatør	Lundin Norway AS
Boretillatelse	1550-L
Boreinnretning	ISLAND INNOVATOR
Boredager	25
Borestart	20.01.2015
Boreslutt	13.02.2015
Frigitt dato	13.02.2017
Publiseringsdato	13.02.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIOCENE
1. nivå med hydrokarboner, formasjon.	UTSIRA FM
Avstand, boredekk - midlere havflate [m]	30.0
Vanndybde ved midlere havflate [m]	140.0
Totalt målt dybde (MD) [m RKB]	1025.0
Totalt vertikalt dybde (TVD) [m RKB]	1025.0
Maks inklinasjon [°]	1.5
Eldste penetrerte formasjon	HORDALAND GP
Geodetisk datum	ED50
NS grader	59° 0' 1.87" N
ØV grader	3° 4' 14.7" E
NS UTM [m]	6540262.79



ØV UTM [m]	504064.89
UTM sone	31
NPDID for brønnbanen	7609

Brønnhistorie

General

Well 26/10-1 was drilled to test the Zulu Øst prospect on Patch Bank Ridge south of the Stord Basin in the North Sea. The prospect is a fan complex consisting of Miocene age sands and sandstones of the Utsira Formation. The primary objective was to evaluate the reservoir properties of these sands and to prove presence of hydrocarbons.

Operations and results

Wildcat well 26/10-1 was spudded with the semi-submersible installation Island Innovator on 20 January 2015 and drilled to TD at 1025 m in Early Miocene sediments belonging to the Hordaland Group. No significant problem was encountered in the operations. The well was drilled with seawater and high viscosity pills down to 290 m and with Aquadril mud from 290 m to TD.

Three massive Miocene sands were penetrated by the well, all three with very good reservoir properties. Average porosity for the three sands is 35 to 36%. The topmost, Utsira Formation sandstone, was penetrated at 802.5 m, and proved gas filled down to its base at 825.5 m. Pressure gradient data show a distinct gas-water contact at 838 m. The gas is dry (99.7% methane) and the stable carbon isotopic composition of the methane is light ($\delta^{13}C = -71.3$ ppt VPDB). These characteristics are typical for biogenic gas. The two other sands were water filled. No oil shows were recorded in the well.

No cores were cut. MDT fluid samples were taken at 811.6 m (gas) and 874.6 (water).

The well was permanently abandoned on 13 February 2015 as a gas discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
300.00	1026.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
170	NORDLAND GP



170	NAUST FM
299	UNDIFFERENTIATED
803	UTSIRA FM
826	UNDIFFERENTIATED
867	NO FORMAL NAME
877	UNDIFFERENTIATED
896	HORDALAND GP
896	UNDIFFERENTIATED
906	SKADE FM
987	NO FORMAL NAME

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT	803	976
MWD - GR RES DIR PWD	169	242
MWD - GR RES DIR PWD CAL DEN NEU	749	1026
MWD - GR RES DIR PWD SON	242	749
MWD - NBGR GR RES DIR PWD	242	290
PEX HRLA MSIP	730	1024

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	236.5	36	242.0	0.00	
INTERM.	13 3/8	284.0	17 1/2	290.0	1.24	FIT
PILOT HOLE		290.0	9 7/8	290.0	0.00	
LINER	7	742.6	12 1/4	749.0	1.55	FIT
OPEN HOLE		1025.0	6	1025.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
170	1.04	2.0		Water Based	
543	1.15	13.0		Water Based	
1025	1.15	13.0		Water Based	

