



Generell informasjon

Brønnbane navn	16/8-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	16/8-1
Seismisk lokalisering	
Utvinningstillatelse	020
Boreoperatør	Conoco Norway Inc.
Boretillatelse	166-L
Boreinnretning	NORSKALD
Boredager	35
Borestart	25.09.1976
Boreslutt	29.10.1976
Frigitt dato	29.10.1978
Publiseringsdato	24.09.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	81.0
Totalt målt dybde (MD) [m RKB]	2301.0
Maks inklinasjon [°]	2.5
Temperatur ved bunn av brønnbanen [°C]	88
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SMITH BANK FM
Geodetisk datum	ED50
NS grader	58° 27' 24.8" N
ØV grader	2° 25' 56.8" E
NS UTM [m]	6479866.89
ØV UTM [m]	466879.22
UTM sone	31
NPDID for brønnbanen	335



Brønnhistorie

General

The well was located to test a thrust-faulted structure in a NE-SW trending sub-basin to the southeast of the Utsira High. The primary objective was the basal Late Jurassic sand. This sand was estimated to have an approximate gross thickness of 71 metres.

Operations and results

Wildcat well 16/8-1 was spudded with the semi-submersible installation Nordskald on 25 September 1976 and drilled to TD at 2301 m in the Triassic Smith Bank Formation. The well was drilled with seawater and gel down to 172 m and with Drispac and seawater from 172 m to TD.

No reservoir sands were encountered in either the Paleocene or the Triassic. From 1769 m to 1820 m in the Late Cretaceous Tor and Hod Formations chalks with calculated porosities from 17% to 34% were encountered. At 2073 the well penetrated a gross thickness of 43 m of Late Jurassic Intra Draupne sand. This sand was of high porosity but water bearing. No evidence of hydrocarbons was encountered while drilling, and log analysis confirmed all intervals with significant porosity to be water bearing. Canned samples for source rock/maturity analysis by Robertson Research were collected every 100 m from 1000 m and every 30 m from 2000 m to TD. This study shows that the penetrated sections are immature. Samples from the Draupne Formation show good source characteristics with TOC from 3% to 7% and one extract from this section contained minor amounts of probably locally generated hydrocarbons. No conventional cores were cut and no fluid samples taken. The well was plugged and abandoned as a dry hole on 29 October 1976.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
178.00	2302.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
106	NORDLAND GP
765	UTSIRA FM
880	UNDIFFERENTIATED
955	HORDALAND GP



1568	ROGALAND GP
1568	BALDER FM
1608	SELE FM
1650	LISTA FM
1740	VÅLE FM
1750	SHETLAND GP
1750	EKOFISK FM
1775	TOR FM
1791	HOD FM
1829	CROMER KNOLL GP
1829	RØDBY FM
1879	SOLA FM
1900	ÅSGARD FM
2041	VIKING GP
2041	DRAUPNE FM
2073	INTRA DRAUPNE FM SS
2116	NO GROUP DEFINED
2116	SMITH BANK FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
335	pdf	0.26

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
335_1_Geochemistry_of_NOCS_well_16_8_1	pdf	0.12
335_2_A_hydrocarbon_source_potentialand_maturatation_study_of_the_16_8_1_well	pdf	0.96
335_3	pdf	0.43

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
335_01_WDSS_General_Information	pdf	0.26





Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
335 1 Completion Report & Completion log	pdf	9.71
335 2 Final well Report	pdf	1.57
335 3 Drilling Programme	pdf	2.93
335 4 Hydrocarbon Source Potential and Maturation Study	pdf	0.96
335 5 A hydrocarbon source potentialand maturation study of the 16 8 1 well	pdf	0.96
335 6 Paleontological Branch	pdf	0.64
335 7 Preliminary Geological Well Programme	pdf	2.12
335 8 Source Rock Summary Chart	pdf	0.07

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHCS GR	106	529
CST	0	0
FDC CNL CAL GR	1312	2301
HDT	1312	2301
ISF SONIC GR SP	524	1323
ISF SONIC GR SP	1312	2301
VSP	925	2301

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	169.0	36	172.0	0.00	LOT
SURF.COND.	20	525.0	26	533.0	0.00	LOT
INTERM.	13 3/8	1315.0	17 1/2	1327.0	0.00	LOT
OPEN HOLE		2301.0	12 1/4	2301.0	0.00	LOT

Boreslam





Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
172	1.04	45.0		seawater	
533	1.13	55.0		seawater	
780	1.29	45.0		seawater	
921	1.29	46.0		seawater	
1326	1.38	47.0		seawater	
1710	1.34	47.0		seawater	
2301	1.37	49.0		seawater	