



Generell informasjon





Brønnbane navn	30/11-6 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	30/11-6
Seismisk lokalisering	NH9004-839 & crossline 719
Utvinningstillatelse	272
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	1081-L
Boreinnretning	DEEPSEA DELTA
Boredager	30
Borestart	03.06.2004
Boreslutt	02.07.2004
Frigitt dato	02.07.2006
Publiseringsdato	15.12.2006
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	29.0
Vanndybde ved midlere havflate [m]	103.5
Totalt målt dybde (MD) [m RKB]	3550.0
Totalt vertikalt dybde (TVD) [m RKB]	3436.0
Maks inklinasjon [°]	24.5
Temperatur ved bunn av brønnbanen [°C]	128
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	60° 9' 32.53" N
ØV grader	2° 37' 29.92" E
NS UTM [m]	6669338.27
ØV UTM [m]	479181.64
UTM sone	31
NPDID for brønnbanen	4950



Brønnhistorie

General

Wildcat well 30/11-6 S is located on the Bjørgvin Arch in the Northern North Sea, between the Frigg Area and the Oseberg Sør area. The primary objective was the hydrocarbon potential in sandstones within the Upper and Middle Tarbert Formations in the Brent Group. The secondary objectives were to investigate the remaining part of the Brent Group and the Lower Heather Formation, to secure seismic tie by shooting VSP, and to obtain pressure

measurements for regional understanding and evaluation of internal pressure barriers within the Brent Group.

Operations and results

Well 30/11-6 was spudded with the semi-submersible installation Deepsea Delta on 3 June 2004 and drilled to TD at 3550 m in the Early Jurassic Drake Formation. No significant problems were reported from the operations. The well was drilled with seawater and pills of bentonite spud mud down to 1415 m and with Glydril KCl/polymer mud from 1415 m to TD.

The well penetrated Lower Heather, Upper Tarbert (Tarbert 3), Middle Tarbert (Tarbert 2), Lower Tarbert (Tarbert 1) and Ness Formations of the Brent Group. The formation tops were encountered somewhat deeper than the prognosis. The reservoir quality was slightly better than expected. The well did not prove any commercial hydrocarbons, although good oil shows were obtained in Upper and Middle Tarbert Formation. Three conventional cores were cut, covering parts of Upper Tarbert, Middle Tarbert and parts of Lower Tarbert Formation of the Brent Group. The cores showed variable reservoir quality, but contained several reservoir units of good quality. The best reservoir zone was found within the upper parts of Middle Tarbert. The wire-line program was performed according to dry hole scenario, without MDT sampling, MSCT and the FMI wire-line logs in the 8 1/2" section.

The well was permanently abandoned on 2 July 2004 as a dry well with shows.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1480.00	3550.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3196.0	3214.4	[m]
2	3214.4	3269.0	[m]
3	3269.0	3299.0	[m]

Total kjerneprøve lengde [m]	103.0
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
132	NORDLAND GP
574	UTSIRA FM
749	HORDALAND GP
2270	ROGALAND GP
2270	BALDER FM
2337	SELE FM
2457	LISTA FM
2565	VÅLE FM
2639	SHETLAND GP
2639	HARDRÅDE FM
2846	KYRRE FM
2956	CROMER KNOLL GP
2956	RØDBY FM
2961	VIKING GP
2961	DRAUPNE FM
2993	HEATHER FM
3150	BRENT GP
3150	TARBERT FM
3311	NESS FM
3497	DUNLIN GP
3497	DRAKE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT GR	3091	3469



MWD - DIR	132	229
MWD - GR RES DIR	210	2413
MWD - GR RES DIR PRES	2289	3550
SP HRLA PEX MSI ECS	2100	3550
VSP GR	1367	3530

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	229.0	36	229.0	0.00	LOT
SURF.COND.	13 3/8	1408.0	17 1/2	1415.0	1.83	LOT
INTERM.	9 5/8	2695.0	12 1/4	2700.0	1.87	LOT
OPEN HOLE		3550.0	8 1/2	3550.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
132	0.00			seawater	
1415	1.30			waterbased	
2700	1.45			Glydril WBM	
3550	1.45			Glydril WBM	

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]
4950 Formation pressure (Formasjonstrykk)	pdf	0.24

