



Generell informasjon

Brønnbane navn	7/11-8
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	7/11-8
Seismisk lokalisering	NH CN 82 - 124 SP 377
Utvinningstillatelse	070
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	389-L
Boreinnretning	TREASURE SCOUT
Boredager	82
Borestart	22.09.1983
Boreslutt	12.12.1983
Frigitt dato	12.12.1985
Publiseringsdato	19.10.2006
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	79.0
Totalt målt dybde (MD) [m RKB]	4750.0
Totalt vertikalt dybde (TVD) [m RKB]	4750.0
Temperatur ved bunn av brønnbanen [°C]	148
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SMITH BANK FM
Geodetisk datum	ED50
NS grader	57° 12' 49.94" N
ØV grader	2° 31' 46.5" E
NS UTM [m]	6341434.15
ØV UTM [m]	471586.05
UTM sone	31
NPDID for brønnbanen	30



Brønnhistorie

General

Wildcat well 7/11-8 is located on the Cod Terrace of the North Sea, between the Mime Field to the South and the 7/8-3 Discovery to the North. The primary objective was to test Late Jurassic sandstones of the Ula Formation. Secondary objective of the well was to test continental sandstone reservoirs of Triassic age as seen in some nearby wells. Rocks of early and middle Jurassic age were thought to be absent at this location. The well was planned to be drilled to 4550 + 100 m, approximately 730 m into the Triassic to penetrate a strong intra Triassic reflector.

Operations and results

Well 7/11-8 was spudded with the semi-submersible installation Treasure Scout on 22 September 1983 and drilled to TD at 4750 m, almost one km into Triassic sediments. Gumbo problems and problems with the seal assembly were experienced when running the 13 3/8" casing. The well was drilled with seawater and pre-hydrated bentonite down to 620 m, with KCl polymer mud from 620 m to 3673 m, and with a bentonite/lignosulphonate/barite/lignite mud system from 3673 m to TD.

The well encountered water bearing Triassic sandstones directly underlying lower Cretaceous shales. The Ula Formation was thus missing. No shows or other hydrocarbon indications were seen in the well. The intra Triassic marker was found at 4605 m in a shaly sequence.

One core was cut in the Triassic sandstones from 3725 to 3743.95 m. The entire core consisted of greyish red to moderate brown sandstones, with occasional bands of greenish black to greenish grey sandstones. The RFT tool was run to obtain pressure points in the Triassic sands. The pressure data indicated a water gradient of 1.09 g/cm³ and no fluid sample was taken

The well was permanently abandoned on 12 December 1983 as a dry well.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
190.00	4750.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3725.0	3744.0	[m]

Total kjerneprøve lengde [m]	19.0
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3725-3729m



3730-3734m



3735-3739m



3740-3743m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
4387.0	[m]	SWC	RRI

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
102	NORDLAND GP
1404	HORDALAND GP
2899	ROGALAND GP
2899	BALDER FM
2932	SELE FM
2977	LISTA FM
3028	VÅLE FM
3039	SHETLAND GP
3039	EKOFISK FM
3168	TOR FM
3504	HOD FM
3655	HIDRA FM
3676	CROMER KNOLL GP



3676	RØDBY FM
3725	NO GROUP DEFINED
3725	SMITH BANK FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
30	pdf	0.88

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
30_1	pdf	0.62
30_2	pdf	1.53

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
30_01_WDSS_General_Information	pdf	0.17
30_02_WDSS_completion_log	pdf	0.40

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
30_01_7_11_8_Completion_Report_and_Completion_log	pdf	17.57

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL	537	1893
CST	2895	3703
CST	3682	4756
HDT	1896	3669





HDT	3677	4758
ISF LSS GR SP	102	4757
LDT CNL GR CAL	4525	4758
LDT CNL NGT CAL GR	3677	4607
LDT GR CAL	604	3703
RFT	3730	4723
VSP VELOCITY	300	4759

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	188.0	36	188.0	0.00	LOT
SURF.COND.	20	605.0	26	620.0	1.86	LOT
INTERM.	13 3/8	1895.0	17 1/2	1910.0	1.89	LOT
INTERM.	9 5/8	3673.0	12 1/4	3698.0	2.03	LOT
OPEN HOLE		4750.0	8 3/8	4750.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
400	1.09			waterbased	
1503	1.21	43.0	11.0	waterbased	
1939	1.47	55.0	14.0	waterbased	
2300	1.52	54.0	12.0	waterbased	
3679	1.52	64.0	15.0	waterbased	
4750	1.55	52.0	17.0	waterbased	

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]
30 Formation pressure (Formasjonstrykk)	pdf	0.23

