



Generell informasjon

Brønnbane navn	1/3-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	1/3-2
Seismisk lokalisering	LINE 5656 SP.5125
Utvinningstillatelse	011
Boreoperatør	A/S Norske Shell
Boretillatelse	26-L
Boreinnretning	SEDNETH I
Boredager	75
Borestart	14.05.1969
Boreslutt	27.07.1969
Frigitt dato	27.07.1971
Publiseringsdato	30.04.2010
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	73.0
Totalt målt dybde (MD) [m RKB]	4297.0
Temperatur ved bunn av brønnbanen [°C]	143
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	SOLA FM
Geodetisk datum	ED50
NS grader	56° 56' 10" N
ØV grader	2° 45' 0" E
NS UTM [m]	6310443.20
ØV UTM [m]	484786.28
UTM sone	31
NPDID for brønnbanen	165



Brønnhistorie

General

Well 1/3-2 was drilled on the crest of a salt-induced anticline on the Hydra High in the North Sea. The main objective was possible L. Tertiary sands, well developed and productive in Phillips 7/11-1. Secondary objective was the Late Cretaceous chalky limestone, which had given shows in 1/3-1.

Operations and results

Wildcat well 1/3-2 was spudded with the semi-submersible installation Sedneth I on 14 May 1969 and drilled to TD at 4297 m in the Early Cretaceous Sola Formation. When drilling out of the 20" casing shoe, circulation was lost immediately, and the lost circulation zone had to be cemented off. The plastic clays caused continuous troubles, such as bit balling and plugged shaker screens, and the hole had to be reamed and washed several times. Below 3378 m diamond bits were used, and the drilling was interrupted frequently because of leaking bumper subs. The well was drilled water based with a 1 - 4 % addition of diesel through most of the well bore.

Tertiary sands were not developed, and whilst thick Late Cretaceous chalky limestone was found as predicted, there were no hydrocarbon bearing intervals in it, and reservoir qualities were poor. No source rock intervals were encountered, and only very minor traces of higher hydrocarbons were detected in the Late Paleocene-Early Eocene section, and in the interval 3761 to 3901 m in the Hod Formation.

A small core recovered by junk basket was taken at 3589.02 - 3589.5 m. No wire line fluid samples were taken.

The well was permanently abandoned on 27 July 1969 as a dry well.

Testing

No drill stem test was performed.

Borekjerter i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3589.0	3589.3	[m]

Total kjerneprøve lengde [m]	0.3
Kjerter tilgjengelig for prøvetaking?	YES

Litostratigrafi

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



1533	HORDALAND GP
2964	ROGALAND GP
2964	BALDER FM
2978	SELE FM
3067	LISTA FM
3136	VÅLE FM
3207	SHETLAND GP
3207	EKOFISK FM
3270	TOR FM
3729	HOD FM
4024	BLODØKS FM
4060	HIDRA FM
4131	CROMER KNOLL GP
4131	RØDBY FM
4229	SOLA FM

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
165_01_WDSS_General_Information	pdf	0.19

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
165_01_1_3_2_Completion_log	pdf	2.56
165_01_1_3_2_Well_Resume	pdf	24.93

Dokumenter - Sokkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
165_01_NPD_Paper_No.15_Lithology_Well_1_3_2	pdf	14.98
165_02_NPD_Paper_No.15_Interpreted_Lithology_log_Well_1_3_2	pdf	64.62

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	147.0	36	147.0	0.00	LOT
SURF.COND.	20	406.0	26	412.0	0.00	LOT
INTERM.	13 3/8	1525.0	17 1/2	1531.0	0.00	LOT
INTERM.	9 5/8	3204.0	12 1/4	3213.0	0.00	LOT
OPEN HOLE		4298.0	8 1/2	4298.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
147	1.07	120.0		waterbased	
381	1.10	100.0		waterbased	
831	1.42	64.0		waterbased	
1530	1.44	49.0		waterbased	
2209	1.49	54.0		waterbased	
2824	1.61	57.0		waterbased	
3185	1.73	51.0		waterbased	
3779	1.61	52.0		waterbased	
4281	1.60	44.0		waterbased	