



Generell informasjon

Brønnbane navn	30/3-1
Type	EXPLORATION
Formål	APPRAISAL
Status	SUSPENDED
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	HULDRA
Funn	30/2-1 Huldra
Brønn navn	30/3-1
Seismisk lokalisering	702 166 SP. 790
Utvinningstillatelse	052
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	215-L
Boreinnretning	NORSKALD
Boredager	89
Borestart	11.06.1979
Boreslutt	07.09.1979
Frigitt dato	07.09.1981
Publiseringsdato	24.09.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	138.0
Totalt målt dybde (MD) [m RKB]	3718.0
Totalt vertikalt dybde (TVD) [m RKB]	3716.0
Maks inklinasjon [°]	2
Temperatur ved bunn av brønnbanen [°C]	99
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	ÅSGARD FM
Geodetisk datum	ED50
NS grader	60° 54' 15.35" N
ØV grader	2° 40' 11.71" E
NS UTM [m]	6752328.84
ØV UTM [m]	482092.77



UTM sone	31
NPDID for brønnbanen	376

Brønnhistorie

General

Well 30/3-1 is located just north of the Huldra Discovery. It was planned to be drilled in two phases and the primary objective was to test sandstones of the Brent Group. Secondary objectives were sandstones in the Paleocene and in the Lower Jurassic, Cook and Statfjord formations.

Operations and results

Well 30/3-1, Phase I was spudded with the semi-submersible installation Nordskald and drilled to 3718 m in claystone and marls of the Early Cretaceous Cromer Knoll Group. Phase I was drilled without serious problems but the 12 1/4" hole section had to be cut shorter than originally planned due to lost circulation and possibly higher pore pressures than prognosed. The mud gas readings were relatively high through the 17 1/2" section causing long periods of circulation. The well was drilled with seawater and hi-vis pills down to 212 m, with a gel mud from 212 m to 985 m, and with a Spersene XP 20/Magcogel/nut plug mud from 985 m to TD.

The Paleocene did not contain good reservoirs. Shows and live oil in the mud were however recorded in predominant claystone lithology from 1910 m to 2470 m. No conventional cores were cut and no fluid samples taken.

The well was suspended on 7 September as a dry hole after the 9 5/8" casing was run. The plan was to re-enter the well later, using a rig equipped with a 15000 psi BOP stack and drill through the Jurassic sandstones.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
220.00	4421.50

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
3728.5	[m]	DC	GEOST
3790.0	[m]	DC	GEOST
3800.0	[m]	DC	GEOST



3815.0	[m]	DC	GEOST
3825.0	[m]	DC	GEOST
3830.0	[m]	DC	GEOST
3842.5	[m]	DC	GEOST
3850.0	[m]	DC	GEOST
3860.0	[m]	DC	GEOST
3865.0	[m]	DC	GEOST
3872.3	[m]	C	GEOST
3878.0	[m]	C	GEOST
3879.7	[m]	C	GEOST
3885.0	[m]	DC	GEOST
3895.0	[m]	DC	GEOST
3905.0	[m]	DC	GEOST
3912.5	[m]	DC	GEOST

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
163	NORDLAND GP
826	UTSIRA FM
950	HORDALAND GP
1174	SKADE FM
1360	NO FORMAL NAME
1661	GRID FM
1682	NO FORMAL NAME
1930	ROGALAND GP
1930	BALDER FM
1995	SELE FM
2016	LISTA FM
2124	VÅLE FM
2160	SHETLAND GP
2160	JORSALFARE FM
2472	KYRRE FM
3410	TRYGGVASON FM
3605	BLODØKS FM
3616	CROMER KNOLL GP
3616	RØDBY FM
3637	SOLA FM
3673	ÅSGARD FM



Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
376 1 Geochemical evaluation of the Statoil I 30 3 1 well	pdf	0.59
376 2 Phase I Organic geochemistry results from well 30 3 1	pdf	1.27
376 3	pdf	0.81

Dokumenter - eldre Søkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
376 01 WDSS General Information	pdf	0.11
376 02 WDSS completion log	pdf	0.21

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
376 1 Completion Report	pdf	37.08
376 2 Completion Report Appendix	pdf	5.20

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL	521	2419
CNL	2000	2175
DLL MSFL GR	3125	3713
FDC CNL GR CAL	212	1802
FDC CNL GR CAL	2418	3714
ISF SON GR SP	160	3714
VEL	410	3710

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	212.0	36	212.0	0.00	LOT
SURF.COND.	20	985.0	26	999.0	1.38	LOT
LINER	16	1804.0	19 1/2	1804.0	1.52	LOT
INTERM.	13 3/8	2423.0	17 1/2	2430.0	1.96	LOT
INTERM.	9 5/8	3718.0	12 1/4	3718.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
212	1.01	54.0	12.0	seawater	
987	1.10	55.0	9.0	seawater	
2468	1.66	56.0	14.0	seawater	
2787	1.85	60.0	15.0	seawater	
3709	1.85	67.0	16.0	seawater	