



Generell informasjon

Brønnbane navn	30/3-1 R
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
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-L2
Boreinnretning	DYVI DELTA
Boredager	85
Borestart	01.02.1982
Boreslutt	26.04.1982
Plugget og forlatt dato	26.04.1982
Frigitt dato	26.04.1984
Publiseringsdato	24.09.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	DRILLING/PLUGGING
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	27.0
Vanndybde ved midlere havflate [m]	138.0
Totalt målt dybde (MD) [m RKB]	4421.0
Totalt vertikalt dybde (TVD) [m RKB]	4421.0
Temperatur ved bunn av brønnbanen [°C]	143
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	STATFJORD GP
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	509

Brønnhistorie

General

Well 30/3-1 R is located just north of the Huldra Discovery. The primary well bore 30/3-1 was drilled in 1979 to a total depth of 3718 m where it was suspended due to an unexpected pressure build-up in the Early Cretaceous. The purpose of well 30/3-1 R was to re-enter the previously abandoned well and continue drilling beneath the 9 5/8" casing shoe to test sandstones in the Brent Group. Secondary objectives were sandstones in the Early Jurassic, Cook and Statfjord formations. Well 30/3-1 R (Phase 2) was planned to be drilled 50 m into the Triassic to a total prognosed depth of 4825 m.

Operations and results

Wildcat well 30/3-1 R was re-entered by the semi-submersible installation Dyvi Delta on 1 January 1982 and drilled to TD at 4421 m (4395 m TVD) in Late Triassic sediments in the Statfjord Formation. After the 9 5/8" casing had been drilled and cleaned out for cement plugs the string was lost in the hole when running in with a new bit. After several attempts to retrieve the fish, the hole was plugged back. A window was cut in the 9 5/8" casing from 3657 m to 3672 m and the hole was kicked off from this depth after problems with lost circulation had been solved. While drilling of the last part of the 8 1/2" hole several incidents of stuck pipe was experienced. This section was plugged back with cement. When displacing the second cement plug, the pipe got stuck. After cutting the 5" drill pipe an influx (gas and water) from the top of the Statfjord Formation was taken. The well built a deviation with maximum of 20.5° at 4165 m. The well was drilled with a Spersene XP 20/Magcogel/nut plug mud system from kick-off to TD.

Hydrocarbons were encountered in thin sandstones interbedded with limestone, coals and claystones over the interval from 3762 m to 3861 m in the Ness, Etive, and Rannoch formations in the Brent group. One core was cut from 3863.6 m to 3875.2 m in the Brent Group. No fluid sample was taken.

The well was permanently abandoned on 26 April 1982 as a dry well with shows.

Testing

No drill stem test was performed

Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3863.6	3880.0	[m]

Total kjerneprøve lengde [m]	16.4
Kjerner tilgjengelig for prøvetaking?	YES



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
165	NORDLAND GP
829	UTSIRA FM
950	HORDALAND GP
1174	SKADE FM
1360	NO FORMAL NAME
1635	GRID FM
1679	NO FORMAL NAME
1929	ROGALAND GP
1929	BALDER FM
1993	SELE 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
3678	SOLA FM
3702	ÅSGARD FM
3729	VIKING GP
3729	DRAUPNE FM
3748	HEATHER FM
3761	BRENT GP
3761	NESS FM
3826	ETIVE FM
3852	RANNOCH FM
3866	OSEBERG FM
3874	DUNLIN GP
3874	DRAKE FM
4081	COOK FM
4162	AMUNDSEN FM
4227	STATEJORD GP



Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
509	pdf	0.72

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
509_1	pdf	0.92
509_2_Geokjemisk_analyse_TOC_og_Rock_ev al_for_bronn_30_3_1	pdf	0.07

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
509_01_WDSS_General_Information	pdf	0.11
509_02_WDSS_completion_log	pdf	0.12

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL CCL GR	2500	3702
DIP	3648	4316
DLL MSFL GR	3747	4319
FDC CNL GR CAL	3648	4412
HDT	3648	4316
ISF SON MSFL GR	3648	4411
VEL	3750	4337

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	3709.0	12 1/4	3718.0	2.05	LOT
OPEN HOLE		4421.0	8 1/2	4421.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
3796	1.95	56.0	8.0	seawater	
4000	1.90	64.0	8.0	seawater	
4220	1.90	74.0	12.0	seawater	
4347	1.91	64.0	12.0	seawater	
4421	1.96	68.0	10.0	seawater	

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]
509 Formation pressure (Formasjonstrykk)	pdf	0.22

