



Generell informasjon

Brønnbane navn	30/7-6 R
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	MARTIN LINGE
Funn	30/7-6 Martin Linge
Brønn navn	30/7-6
Seismisk lokalisering	
Utvinningstillatelse	040
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	173-L3
Boreinnretning	TREASURE SEEKER
Boredager	47
Borestart	18.04.1978
Boreslutt	03.06.1978
Plugget og forlatt dato	03.06.1978
Frigitt dato	03.06.1980
Publiseringsdato	21.05.2015
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	DRILLING/PLUGGING
Innhold	GAS/CONDENSATE
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	TARBERT FM
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	116.0
Totalt målt dybde (MD) [m RKB]	4115.0
Totalt vertikalt dybde (TVD) [m RKB]	4115.0
Temperatur ved bunn av brønnbanen [°C]	127
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50



NS grader	60° 29' 29.82" N
ØV grader	2° 3' 26.14" E
NS UTM [m]	6706692.25
ØV UTM [m]	448196.93
UTM sone	31
NPDID for brønnbanen	507

Brønnhistorie

General

Well 30/7-6 R was originally named 30/7-6 Phase II by the operator group. It is a re-entry of well 30/7-6, which was suspended at a final depth of 3711 m after taking a massive gas kick at the base of the Heather Formation. The well is located on the East Shetland Basin in the North Sea close to the UK border. The main objective of the re-entry was Early and Middle Jurassic sandstones.

Operations and results

Wildcat well 30/7-6 was re-entered with the semi-submersible installation Treasure Seeker on 18 April 1978. The 7" liner shoe at 3707 m was drilled out with a 6" bit using 1.92 sp.gr. mud. A small influx of gas was encountered while drilling into the high-pressured reservoir sand at 3810 m. The gas influx was circulated out and the mud weight increased to 1.98 sp.gr. After several circulations, the mud density was raised to 2.04 sp.gr. Two days elapsed in conditioning and stabilizing the well. Further drilling proceeded without significant problems to TD at 4115 m in the Early Jurassic Drake Formation. The well was drilled with a fresh water gel/chromium-lignosulphonate mud system from 3707 m to TD.

The 30/7-6 well encountered the gas condensate bearing sandstones of Middle Jurassic age (Tarbert Formation) at 3792 m. The reservoir continued with interbeds of shales and coals down to the deepest sandstone at 3892 m in the top of the Ness Formation. Net sandstone in the interval is 75 m based on wire line log evaluation. No hydrocarbon-water contact was penetrated in the well. Average porosity is calculated to 19.4% and average water saturation to 20%. No shows were described below the hydrocarbon bearing reservoir.

No conventional cores were cut in the well. RFT fluid samples were taken at 3793 m (mud filtrate and a small quantity of 54.6 ° API condensate), at 3855.5 m (mud filtrate and a small quantity of 54.6 ° API condensate), and 3891.5 m (only mud filtrate).

The well was permanently abandoned on 3 June 1978 as a gas/condensate discovery.

Testing

No drill stem test was performed.

Litostratigrafi

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



455	UTSIRA FM
870	HORDALAND GP
1784	FRIGG FM
1965	ROGALAND GP
1965	BALDER FM
2000	LISTA FM
2044	HEIMDAL FM
2084	LISTA FM
2377	SHETLAND GP
3709	CROMER KNOLL GP
3725	VIKING GP
3725	DRAUPNE FM
3738	HEATHER FM
3792	BRENT GP
3792	TARBERT FM
3887	NESS FM
4001	ETIVE FM
4035	RANNOCH FM
4051	BROOM FM
4057	DUNLIN GP
4057	DRAKE FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
507_GCH_1	pdf	0.02
507_GCH_2	pdf	0.43

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
507_03_WDSS_lithlog	pdf	0.08

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)





Dokument navn	Dokument format	Dokument størrelse [KB]
507 30 7 6 R COMPLETION LOG	pdf	5.09
507 30 7 6 R COMPLETION REPORT	pdf	12.27

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CNL GR	3250	3711
CST	3727	4109
DLL MSFL GR	3772	4113
FDC CNL GR	3702	4113
HDT	3707	4112
ISF SON GR	3702	4112
RFT	3793	3793
RFT	3806	3891
RFT	3855	4008
VELOCITY	120	4115

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
INTERM.	9 5/8	3252.0	12 1/4	3252.0	0.00	
LINER	7	3707.0	8 1/2	3711.0	0.00	
OPEN HOLE		4115.0	6	4115.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
3715	1.92	60.0		waterbased	
3968	2.10	46.0		waterbased	
4115	2.06	67.0		waterbased	

