Generell informasjon

Brønnbane navn	6608/11-7 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6608/11-7
Seismisk lokalisering	linje 2204-krysslinje 5787
Utvinningstillatelse	559
Boreoperatør	Rocksource ASA
Boretillatelse	1373-L
Boreinnretning	BORGLAND DOLPHIN
Boredager	48
Borestart	07.09.2011
Boreslutt	24.10.2011
Frigitt dato	24.10.2013
Publiseringsdato	24.10.2013
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	31.2
Vanndybde ved midlere havflate [m]	333.0
Totalt målt dybde (MD) [m RKB]	2435.0
Totalt vertikalt dybde (TVD) [m RKB]	2216.0
Maks inklinasjon [°]	41.3
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	RED BEDS (INFORMAL)
Geodetisk datum	ED50
NS grader	66° 14' 1.32'' N
ØV grader	8° 30' 47.34'' E
NS UTM [m]	7346231.06
ØV UTM [m]	478105.00
UTM sone	32
NPDID for brønnbanen	6701

Brønnhistorie

General

Well 6608/11-7 S was drilled on the Phoenix prospect close to the Linerle Discovery on the Rødøy High in the Norwegian Sea. The primary target for the well was to prove petroleum in Early Jurassic to Late Triassic Åre formation. The secondary target was to prove petroleum in the Late Triassic Grey Beds and Red Beds.

Operations and results

Well 6608/11-7 S was spudded with the semi-submersible installation Borgland Dolphin on 7 September 2011 and drilled to TD at 2435 m in the Triassic Red Beds 75 m below top Carnian. Drilling the hole went quick and efficient, without significant problems. Due to hole-problems the wire line program was less than planned. Stuck logging tool and fishing caused 102.5 hrs down time. Further problems with setting open hole P&A plug and WOW caused delay of 233.5 hrs before the well could be abandoned. The well was drilled with sea water and bentonite hi-vis sweeps down to 959 m and with Aquadril glycol mud from 959 m to TD.

The primary objective Åre Formation was entered at 1657 and had reservoir properties of lower quality than expected. The secondary objective showed better reservoir properties than expected, but was dry. There were traces of fluorescence in the top of the Åre Formation. Post-well geochemical analyses did not confirm these to be migrated hydrocarbons. Otherwise there were no indications of hydrocarbons in the well.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 24 October 2011 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
960.00	2435.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
365	NORDLAND GP
365	NAUST FM
1377	KAI FM
1413	HORDALAND GP

1413	BRYGGE FM
1506	ROGALAND GP
1506	TARE FM
1590	SHETLAND GP
1590	SPRINGAR FM
1657	BÅT GP
1657	ÅRE FM
2000	GREY BEDS (INFORMAL)
2075	RED BEDS (INFORMAL)

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GR GEOWAVE	815	1700
GR RES 3DRES SP	2435	2435
LWD - DEN NEU SON	959	1605
LWD - ECD GR RES DIR AC	435	959
LWD - ECD GR RES FPT DEN CAL NEU	1605	2435
LWD - FPT RES ECD GR DIR	1598	1721
LWD - NBI RES ECD GR DIR CAL....	959	1605
LWD - RES ECD GR DIR	364	435
LWD - RES ECD GR DIR	435	959
MRCH JAR TTRM GR RCOR	1657	1660

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	430.0	36	435.0	0.00	LOT
SURF.COND.	20	953.0	26	959.0	0.00	LOT
PILOT HOLE		959.0	9 7/8	959.0	0.00	LOT
INTERM.	9 5/8	1598.0	12 1/4	1605.0	0.00	LOT
OPEN HOLE		2435.0	8 1/2	2435.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
375	0.00			Spud mud	
959	1.34	17.0		Aqua-drill	
1605	1.36	21.0		Aqua-drill	
2392	1.34	20.0		Aqua-drill	
2435	1.36	14.0		Aqua-drill	
2435	1.34	17.0		Aqua-drill	