Generell informasjon

Brønnbane navn	6507/3-11 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6507/3-11
Seismisk lokalisering	EN0804R13;inline 2433;crossline 2370
Utvinningstillatelse	650
Boreoperatør	E.ON E&P Norge AS
Boretillatelse	1588-L
Boreinnretning	BORGLAND DOLPHIN
Boredager	28
Borestart	18.07.2015
Boreslutt	15.08.2015
Frigitt dato	03.02.2017
Publiseringsdato	01.06.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	31.0
Vanndybde ved midlere havflate [m]	350.0
Totalt målt dybde (MD) [m RKB]	2470.0
Totalt vertikalt dybde (TVD) [m RKB]	2336.0
Maks inklinasjon [°]	29.1
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	ÅRE FM
Geodetisk datum	ED50
NS grader	65° 48' 59.56'' N
ØV grader	7° 50' 13.93'' E
NS UTM [m]	7300138.34
ØV UTM [m]	446845.49
UTM sone	32
NPDID for brønnbanen	7730

Brønnhistorie

General

Well 6507/3-11 S was drilled to test the Salander prospect east of the Skarv Field in the Norwegian Sea. The primary objective was to prove hydrocarbons (oil) in the Middle Jurassic Garn and Ile formations. The secondary objective was to test the Tilje Formation.

Operations and results

Wildcat well 6507/3-11 S was spudded with the semi-submersible installation Borgland Dolphin on 18 July 2015 and drilled to TD at 2470 m (2336 m TVD) in the Early Jurassic Åre Formation. A 9-7/8" pilot hole was drilled from seabed to 985 m, with no shallow gas or water flows observed. The well was drilled vertical down to 985 m. From 985 m deviation was built up to ca 26 ° at ca 1350 m. Deviation was held at ca 26° down to TD. During drilling at 2101 to 2122 m in the top of the 8 1/2" section, it was found that a damaged top drive bearing had to be replaced. This caused 108 hrs NPT. Otherwise, no significant problem was encountered in the operations. The well was drilled with seawater down to 985 m, with Innovert oil based mud from 985 m to 2144 m and with Performadril water based mud from 2144 m to TD.

Reservoir quality sandstone was confirmed in all targets. However, no hydrocarbons above minor background gas levels were recorded and no oil shows observed.

As the well was dry no coring, wire line logging or fluid sampling was carried out.

The well was permanently abandoned on 15 August 2015 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
990.00	2470.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
381	NORDLAND GP
667	NAUST FM
1348	KAI FM
1711	HORDALAND GP

1711	BRYGGE FM
1875	ROGALAND GP
1875	TARE FM
1970	TANG FM
1997	SHETLAND GP
2124	VIKING GP
2124	MELKE FM
2167	FANGST GP
2167	GARN FM
2198	NOT FM
2200	ILE FM
2260	BÅT GP
2260	ROR FM
2312	TILJE FM
2435	ÅRE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
ABG DI GR RES PWD DEN NEU SON	985	2144
DI	381	449
GR RES PWD ALD CTN DI XBAT	2144	2470
GR RES PWD DI	381	985

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	447.0	36	449.0	0.00	
INTERM.	13 3/8	979.1	17 1/2	985.0	1.56	FIT
PILOT HOLE		985.0	9 7/8	985.0	0.00	
INTERM.	9 5/8	2139.8	12 1/4	2144.0	2.00	FIT
OPEN HOLE		2470.0	8 1/2	2470.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
655	1.02	1.0		Seawater	
655	1.34	31.0		PERFORMADRIL	
2065	1.44	34.0		INNOVERT	
2144	1.44	31.0		INNOVERT	
2144	1.24	14.0		PERFORMADRIL	
2470	1.24	25.0		PERFORMADRIL	