



Generell informasjon

Brønnbane navn	6507/5-10 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Funn	6507/5-10 S (Slagugle)
Brønn navn	6507/5-10
Seismisk lokalisering	CP19302-2008 / PGS16909 IL30254 XL9546
Utvinningstillatelse	891
Boreoperatør	ConocoPhillips Skandinavia AS
Boretillatelse	1833-L
Boreinnretning	LEIV EIRIKSSON
Boredager	48
Borestart	13.11.2020
Boreslutt	30.12.2020
Plugget og forlatt dato	30.12.2020
Frigitt dato	30.12.2022
Publiseringsdato	30.12.2022
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	EARLY JURASSIC
1. nivå med hydrokarboner, formasjon.	ÅRE FM
2. nivå med hydrokarboner, alder	TRIASSIC
2. nivå med hydrokarboner, formasjon	GREY BEDS (INFORMAL)
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	355.0
Totalt målt dybde (MD) [m RKB]	2214.0
Totalt vertikalt dybde (TVD) [m RKB]	2204.6
Maks inklinasjon [°]	10.8
Temperatur ved bunn av brønnbanen [°C]	74



Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	RED BEDS (INFORMAL)
Geodetisk datum	ED50
NS grader	65° 31' 21.7" N
ØV grader	7° 29' 21.94" E
NS UTM [m]	7267730.76
ØV UTM [m]	430163.11
UTM sone	32
NPDID for brønnbanen	9149

Brønnhistorie

General

Well 6507/5-10 S was drilled to test the Slagugle prospect on the Revfallet Fault Complex in the Norwegian Sea. The primary objective was to test the hydrocarbon potential in the Early Jurassic Åre Formation and the underlying Triassic Grey Beds.

Operations and results

Wildcat well 6507/5-10 S was spudded with the semi-submersible installation Leiv Eiriksson on 13 November 2020 and drilled to TD at 2214 m (2204.6 m TVD) m in the Triassic Red Beds. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1210 m and with BaraHib Gold water-based mud from 1210 m to TD.

The well encountered top Åre Formation at 1796 m (1789.3 m TVD) directly underlying the Paleocene Tang Formation. Top of Grey Beds was encountered at 1903 m (1895.1 m TVD). An oil-bearing interval of 255 m with 89 m net pay was found in the Åre Formation and the Grey Beds. Several oil-down-to (ODT) and pressure zones were identified in this interval with basal water-up-to identified at 2064.7 m (2055.6 m TVD). Oil shows were seen on SWC's and cuttings down to 2149 m (2139.4 m TVD). Above the reservoir shows were recorded up to 1759 m in the Tare and Tang formations.

Four cores were acquired over the Åre Fm and Grey Beds: core 1 from 1814.4 to 1823.6, cores 2 and three in succession from 1855 to 1866.5 m, and core 4 from 2009.7 to 2024.1 m. MDT fluid samples were taken at 1813.5 m (oil), 1859 m (oil), 1908.1 m (oil), 1947.61 m (oil), 1955.2 m (water), 2012.41 m (oil), 2049.7 m and 2077.7 m (water).

Three sets of permanent pressure gauges were installed during P&A across the following intervals: 1810 - 1820 m TVD 1826 - 1836 m TVD; 1876 - 1886 m TVD.

The well was permanently abandoned on 30 December 2020 as an oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1220.00	2214.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1814.4	1821.5	[m]
2	1855.0	1863.5	[m]
3	1864.0	1866.4	[m]
4	2009.7	2023.9	[m]

Total kjerneprøve lengde [m]	32.2
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
380	NORDLAND GP
380	NAUST FM
1379	KAI FM
1670	HORDALAND GP
1670	BRYGGE FM
1759	ROGALAND GP
1759	TARE FM
1774	TANG FM
1796	BÅT GP
1796	ÅRE FM
1903	GREY BEDS (INFORMAL)
2164	RED BEDS (INFORMAL)

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GR FMI MSIP	433	2216
GR HNGS TLD HRLS	433	2214



LWD - DIR GR RES PWD	380	433
LWD - DIR GR RES PWD	1210	1780
LWD - DIR GR RES PWD DEN NEU	1780	2214
LWD - DIR GR RES PWD SON	440	1210
VSP	0	0
XLR	1782	2072
XLR	1784	2063
XPT CMR	1805	2087

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	433.0	36	433.7	0.00	
INTERM.	13 3/8	1204.0	17 1/2	1210.0	1.68	FIT
LINER	9 5/8	1778.0	12 1/4	1780.0	1.90	FIT
LINER	7	2212.5	8 1/2	2214.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
417	1.04	10.0	17.2	Water Base	
418	1.50	35.0	21.0	Water Base	
552	1.04	4.0	21.0	Water Base	
1019	1.30	14.0	12.4	Water Base	
1076	1.50	24.0	17.2	Water Base	
1102	1.04	4.0	21.0	Water Base	
1175	1.30	16.0	11.9	Water Base	
1211	1.50	24.0	17.2	Water Base	
1305	1.39	20.0	13.8	Water Base	
1795	1.20	12.0	9.5	Water Base	
2214	1.20	14.0	11.0	Water Base	