



Generell informasjon

Brønnbane navn	6507/10-2 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Funn	6507/10-2 S (Novus)
Brønn navn	6507/10-2
Seismisk lokalisering	FP13M1-inline 10110 & xline 12159
Utvinningstillatelse	645
Boreoperatør	Faroe Petroleum Norge AS
Boretillatelse	1467-L
Boreinnretning	WEST NAVIGATOR
Boredager	93
Borestart	10.11.2013
Boreslutt	10.02.2014
Frigitt dato	10.02.2016
Publiseringsdato	10.02.2016
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	GARN FM
Avstand, boredekk - midlere havflate [m]	36.0
Vanndybde ved midlere havflate [m]	297.0
Totalt målt dybde (MD) [m RKB]	3020.0
Totalt vertikalt dybde (TVD) [m RKB]	2993.0
Maks inklinasjon [°]	15.1
Temperatur ved bunn av brønnbanen [°C]	108
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	ÅRE FM
Geodetisk datum	ED50
NS grader	65° 12' 48.44" N



ØV grader	7° 16' 58.7" E
NS UTM [m]	7233518.21
ØV UTM [m]	419681.08
UTM sone	32
NPDID for brønnbanen	7300

Brønnhistorie

General

Well 6507/10-2 S was drilled to test the Novus prospect on the Halten Terrace, about 13 km south of the Heidrun platform in the Norwegian Sea. The primary exploration target for the well was to prove petroleum in Middle Jurassic reservoir rocks (Garn and Ile formations). The secondary exploration target was to prove petroleum in Lower Jurassic reservoir rocks (Tilje formation).

Operations and results

Wildcat well 6507/10-2 S was spudded with the semi-submersible installation West Navigator on 10 November and drilled to TD at 3020 m (2993 m TVD) in the Early Jurassic Åre Formation. A 9 7/8" pilot hole was drilled from 403 to 564 m without any shallow gas observed. The well was drilled S-shaped with kick-off at 1485 m, a sail angle of 15°, and vertical again from ca 2460 m. Drilling commenced in rough weather, leading to 961.75 hrs of WOW (42 % of the total rig time). The well was drilled with seawater and hi-vis pills down to 564 m, with Aquadrill mud from 564 m to 1479 m, and with Carbosea oil based mud from 1475 m to TD.

Top of primary target Garn Formation came in at 2655.4 m (2629.2 m TVD) with gas down to the GOC at 2666.5 m (2641.8 m TVD) and oil down to the OWC at 2680.2 m (2654 m TVD) based on MDT pressure gradients and fluid sampling. The reservoir was thicker and with better quality than expected. The other exploration targets in the Ile and Tilje formations were water bearing. No shows were recorded outside of the hydrocarbon bearing Garn Formation.

One core was cut from 2657 to 2682 m with 86% recovery. The missing 3.4 m of core was probably left in the hole, as the core was found sitting on top of the catcher when laying down at surface. MDT fluid samples were taken at 2658.5 m (gas), 2671 m (oil), 2674 m (oil), 2681.4 m (water), and at 2699 m (water).

The well was permanently abandoned on 11. February as an oil and gas discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
570.00	3020.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2657.0	2678.6	[m]

Total kjerneprøve lengde [m]	21.6
Kjerner tilgjengelig for prøvetaking?	YES

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
MDT		2674.00	0.00	OIL		YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
334	NORDLAND GP
334	NAUST FM
1437	KAI FM
1760	HORDALAND GP
1760	BRYGGE FM
2008	ROGALAND GP
2008	TARE FM
2042	TANG FM
2105	SHETLAND GP
2105	SPRINGAR FM
2196	NISE FM
2382	KVITNOS FM
2530	CROMER KNOLL GP
2530	LYSING FM
2613	LYR FM
2615	VIKING GP



2615	SPEKK FM
2617	MELKE FM
2655	FANGST GP
2655	GARN FM
2682	NOT FM
2695	ILE FM
2750	BÅT GP
2750	ROR FM
2823	TILJE FM
2950	ÅRE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT GR	2655	2979
MDT GR	2699	2658
MWD-DIR GR RES PWD	333	1475
MWD-NB GRRES PWD DIR SON	1475	2586
MWD-NBGR RES DEN POR PWD CAL DI	2586	3020
PEX ZAIT HNGS	2577	3015
PPC MSIP GPIT GR	2577	3022
VSI GR	1506	2771
VSI GR	2771	3000

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	398.0	42x36	403.2	0.00	
SURF.COND.	20	561.0	26	564.0	0.00	
INTERM.	13 3/8	1469.0	17 1/2	1475.0	0.00	
LINER	9 5/8	2577.0	12 1/4	2586.0	1.70	FIT
OPEN HOLE		3020.0	8 1/2	3020.0	0.00	

Boreslam



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 19.5.2024 - 21:21

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
357	1.49	22.0		Spud kill mud	
554	1.14	13.0		Aquadrill WBM	
564	1.16	40.0		Bentonite Hi-Vis	
564	1.49	22.0		Spud kill mud	
583	1.13	18.0		Aquadrill WBM	
1096	1.18	17.0		Aquadrill WBM	
1475	1.21	16.0		Aquadrill WBM	
1694	1.49	28.0		OBM	
2403	1.62	43.0		OBM	
2586	1.49	31.0		OBM	
2681	1.49	30.0		OBM	
2759	1.49	31.0		OBM	
3020	1.49	29.0		OBM	