



Generell informasjon

Brønnbane navn	6406/6-6 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Funn	6406/6-6 S (Jasper)
Brønn navn	6406/6-6
Seismisk lokalisering	PGS15005 Inline 21766. Crossline 8172
Utvinningstillatelse	255 B
Boreoperatør	Total E&P Norge AS
Boretillatelse	1722-L
Boreinnretning	SCARABEO 8
Boredager	93
Borestart	16.08.2018
Boreslutt	16.11.2018
Plugget dato	16.11.2018
Frigitt dato	16.11.2020
Publiseringsdato	16.11.2020
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	ILE FM
Avstand, boredekk - midlere havflate [m]	33.7
Vanndybde ved midlere havflate [m]	265.0
Totalt målt dybde (MD) [m RKB]	4911.0
Totalt vertikalt dybde (TVD) [m RKB]	4818.0
Maks inklinasjon [°]	32.2
Temperatur ved bunn av brønnbanen [°C]	175
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	ROR FM
Geodetisk datum	ED50



NS grader	64° 35' 47.57" N
ØV grader	6° 51' 14.34" E
NS UTM [m]	7165407.85
ØV UTM [m]	397287.18
UTM sone	32
NPDID for brønnbanen	8550

Brønnhistorie

Wildcat well 6406/6-6 S was spudded with the semi-submersible installation Scarabeo 8 on 16 August 2018 and drilled to TD at 4911 m in the Early Jurassic Ror Formation. A water flow caused a well control situation when drilling through a fault at 2324 m. Otherwise, operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1300 m, with Glydril mud from 1300 to 2007 m, with EMS-4600 oil-based mud from 2007 m to 2367 m, and with Rheguard oil-based mud from 2367 m to TD.

The Garn Formation was encountered at 4500 m (4433 m TVD) and the Ile Formation at 4640 m (4569.2 m TVD). Garn and Ile are separated by claystone and siltstone belonging to the Not Formation from 4608.5 to 4640 m (4642 to 4674 m TVD). The Tofte Formation was penetrated from 4852.5 to 4880 m (4886.2 to 4914 m). The Fangst Group contained hydrocarbons, mainly in degraded reservoir facies. Gas was sampled in the best reservoir over the upper Ile formation. Pressure acquisition attempts in the Garn and upper Ile formations could not confirm the presence of a connected column. The lower Ile and Tofte formations were of good to excellent reservoir quality but water bearing. No visible hydrocarbon shows were observed in cuttings or on core.

One core was cut from 4654 to 4681 m in the Tofte Formation with 101.1% recovery. Fluid samples were taken at 4703.68 m (gas), 4720.93 m (water with gas) 4741.49 m (gas), and 4749.0 m (water with gas)

The well was permanently abandoned on 16 November 2018 as a gas discovery

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1310.00	4910.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 19:38

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	4654.0	4681.3	[m]

Total kjerneprøve lengde [m]	27.3
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
299	NORDLAND GP
299	NAUST FM
1346	KAI FM
1677	HORDALAND GP
1677	BRYGGE FM
2293	ROGALAND GP
2293	TARE FM
2345	TANG FM
2430	SHETLAND GP
2430	SPRINGAR FM
2560	NISE FM
2785	KVITNOS FM
3331	CROMER KNOLL GP
3331	LYSING FM
3954	LANGE FM
4137	LYR FM
4169	VIKING GP
4169	SPEKK FM
4200	MELKE FM
4501	FANGST GP
4501	GARN FM
4609	NOT FM
4640	ILE FM
4792	BÅT GP
4792	ROR FM
4853	TOFTE FM
4880	ROR FM



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	375.0	42	378.0	0.00	
SURF.COND.	20	1293.0	26	1300.0	1.64	LOT
		1293.0		0.0	1.57	LOT
		1293.0		0.0	1.55	LOT
LINER	17	2000.5	17 1/2	2007.0	1.79	FIT
INTERM.	13 3/8	2361.2	16	2367.0	1.93	FIT
INTERM.	9 7/8	4185.0	12 1/4	4192.0	2.05	FIT
OPEN HOLE		4911.0	8 1/2	4911.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
301	1.03	1.0		Sea water	
1304	1.25	3.0		Spud Mud	
1304	1.03	1.0		Sea water	
1310	1.03	1.0		Sea water	
1310	1.39	13.0		Polymer New Tech	
1382	1.41	13.0		Polymer New Tech	
1741	1.45	14.0		Polymer New Tech	
1955	1.55	22.0		GLYDRIL	
1995	1.50	16.0		Polymer New Tech	
2007	1.52	22.0		Polymer New Tech	
2012	1.74	43.0		EMS-4600	
2366	1.78	45.0		EMS-4600	
2366	1.77	38.0		EMS-4600	
2405	1.81	40.0		RheGuard	
3270	1.78	48.0		EMS-4600	
3639	1.81	41.0		RheGuard	
3700	1.88	64.0		RheGuard	
3991	1.81	41.0		RheGuard	
4245	1.87	47.0		RheGuard	
4654	1.88	65.0		RheGuard	
4729	1.87	43.0		RheGuard	
4911	1.87	48.0		RheGuard	

