



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 30.5.2024 - 20:34

Brønnbane navn	6306/5-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6306/5-2
Seismisk lokalisering	CN6306R12 inline 1096& crossline 1720
Utvinningstillatelse	642
Boreoperatør	Repsol Exploration Norge AS
Boretillatelse	1573-L
Boreinnretning	BREDFORD DOLPHIN
Boredager	51
Borestart	21.08.2015
Boreslutt	11.10.2015
Frigitt dato	11.10.2017
Publiseringsdato	11.10.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	226.0
Totalt målt dybde (MD) [m RKB]	3217.0
Totalt vertikalt dybde (TVD) [m RKB]	3215.0
Maks inklinasjon [°]	4.2
Temperatur ved bunn av brønnbanen [°C]	115
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	INTRA MELKE FM SS
Geodetisk datum	ED50
NS grader	63° 43' 52.29" N
ØV grader	6° 34' 27.26" E
NS UTM [m]	7069508.55
ØV UTM [m]	380227.94
UTM sone	32
NPDID for brønnbanen	7726



Brønnhistorie

General

Well 6306/5-2 was drilled to test the Hagar prospect on the eastern flank of the Rås Basin adjacent to the Frøya High in the Norwegian Sea. It is located ca 3.7 km north of the 6306/5-1 gas discovery. The primary objective was to test the hydrocarbon potential in the Rogn Formation and Intra-Melke Formation Sandstone.

Operations and results

Wildcat well 6306/5-2 was spudded with the semi-submersible installation Bredford Dolphin on 21 August 2015 and drilled to TD at 3217 m in Middle Jurassic Intra Melke Sandstone Formation. No significant problem was encountered in the operations. The well was drilled with Seawater & sweeps PAD mud down to 1060 m, and with Aquadril mud from 1060 m to TD.

No shales or claystone sequences were penetrated in the Viking Group, only sandstone. Top Rogn Formation was encountered at 2940 m and top Intra-Melke Formation Sandstone at 2952 m. The reservoir properties were moderate in the Rogn Formation, with NTG of 96% and average porosity of 15%. The Intra Melke Sandstone Formation had NTG of 73% and average porosity of 10%. NMR logs suggests an average of 50 mD permeability in the Rogn Formation and 4 mD in the Intra Melke Sandstone Formation. MDT sampling in both the Intra Melke Sandstone and Rogn formations indicated a vertically connected reservoir at normal hydrostatic pressure. No oil shows were observed on cuttings and no increase above background levels of gas were observed during the entire drilling operation. No hydrocarbons have been interpreted from wireline data.

No cores were cut. Good pressure data was acquired on wire line, but no fluid sample was taken.

The well was permanently abandoned on 11 October 2015 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1063.00	3217.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
251	NORDLAND GP



251	NAUST FM
1060	KAI FM
1144	HORDALAND GP
1144	BRYGGE FM
1503	ROGALAND GP
1503	TARE FM
1570	TANG FM
1810	SHETLAND GP
1810	SPRINGAR FM
1851	NISE FM
2060	KVITNOS FM
2485	CROMER KNOLL GP
2485	LYSING FM
2550	LANGE FM
2940	VIKING GP
2940	ROGN FM
2952	INTRA MELKE FM SS

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - GR APWD RES POR DEN NMR	2752	3215
MWD - GR RES PRESS SON APWD	1746	2450
MWD - GR RES SON APWD	344	2752
PEX ZPT	2742	3215
PPC MSIP PPC XPT	2742	3215
VSP	226	3215

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	342.0	36	344.5	0.00	
SURF.COND.	20	1053.0	26	1060.0	1.73	LOT
PILOT HOLE		1060.0	9 7/8	1060.0	0.00	
INTERM.	13 3/8	1737.0	17 1/2	1746.0	1.81	LOT
INTERM.	9 5/8	2742.0	12 1/4	2752.0	1.88	LOT
OPEN HOLE		3217.0	8 1/2	3217.0	0.00	



Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
345	1.39			Water	
345	1.06			Water	
400	1.50			Water	
1060	1.25			Water	
1060	1.50			Water	
1456	1.50			Water	
1745	1.55			Water	
2752	1.60			Water	
2755	1.35			Water	
2849	1.50			Water	
3119	1.50			Water	
3217	1.50			Water	