



Generell informasjon

Brønnbane navn	6608/10-11 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Felt	URD
Funn	6608/10-11 S (Trost)
Brønn navn	6608/10-11
Seismisk lokalisering	ST0103 Inline 5526 & Crossline 1663
Utvinningstillatelse	128
Boreoperatør	Statoil ASA (old)
Boretillatelse	1121-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	35
Borestart	12.07.2006
Boreslutt	15.08.2006
Frigitt dato	15.08.2008
Publiseringsdato	18.12.2008
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	NOT FM
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	375.7
Totalt målt dybde (MD) [m RKB]	3725.1
Totalt vertikalt dybde (TVD) [m RKB]	3243.3
Maks inklinasjon [°]	42.3
Temperatur ved bunn av brønnbanen [°C]	122
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	TILJE FM
Geodetisk datum	ED50



NS grader	66° 0' 48.68" N
ØV grader	8° 3' 14.73" E
NS UTM [m]	7321926.37
ØV UTM [m]	457090.31
UTM sone	32
NPDID for brønnbanen	5386

Brønnhistorie

General

Well 6608/10-11 S was drilled on the Norne field, located on the border between the Dønne Terrace and the Nordland Ridge in the south-western of block 6608/10. The primary objective for the exploration well 6608/10-11 S was to establish the existence of hydrocarbons in the Middle and Early Jurassic reservoir sandstones of the Fangst and Båt Group in the Trost prospect. The Trost prospect is located on a down-faulted fault block west of the Norne field. The stratigraphy is similar to the Norne reservoirs, and the Not Formation sandstone is the main reservoir.

Operations and results

Well 6608/10-11 S was spudded with the semi-submersible installation Transocean Arctic on 12 July 2006 and drilled to TD at 3725 m (3243 m TVD) in the Tilje Formation. The well 6608/10-11 S was side tracked from Norne Well 6608/10-K-3 H, hence it was designed as a deviated well with kick off point from 6608/10-K-3 H below 13 3/8" casing shoe at 1366.1 m (1328.2 m TVD). The well was drilled with Carbo-Sea oil based mud from kick-off to TD.

The observed stratigraphy from the kick off point and down to the Fangst Group was generally in accordance with the prognosis. The Melke Formation was approximately 33 m thicker than prognosed, and the biggest discrepancies were therefore found from top Not Formation to TD of the well, where the formation tops came in from 36 to 74 m TVD deeper than prognosed.

Gas was proven in the Not Formation sandstone. This was indicated by both gamma ray and resistivity logs, and was confirmed by neutron and porosity logs, together with MDT pressure points. White to very pale yellow direct and slow cut fluorescence was observed in the reservoir section, but was probably largely due to oil based mud fluorescence and its invasion of the cuttings. Similar fluorescence was seen in the lower water zone of the reservoir.

No cores were cut. MDT gas samples were taken at 3511.2 m (3055.5 m TVD).

The well was permanently plugged back to 13 3/8" casing shoe and abandoned on 15 August 2006. It is classified as a gas discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1380.00	3724.00

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1380.0	[m]	DC	MICROSTR
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1400.0	[m]	DC	MICROS
1410.0	[m]	DC	MICROS
1420.0	[m]	DC	MICROS
1430.0	[m]	DC	MICROS
1440.0	[m]	DC	MICROS
1480.0	[m]	DC	MICROS
1490.0	[m]	DC	MICROS
1500.0	[m]	DC	MICROS
1520.0	[m]	DC	MICROS
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1540.0	[m]	DC	MICROS
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Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 14:22

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Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 14:22

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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
400	NORDLAND GP
1387	KAI FM
1656	HORDALAND GP
1656	BRYGGE FM
2005	ROGALAND GP
2005	TARE FM
2079	TANG FM
2129	SHETLAND GP
2129	SPRINGAR FM
2295	NISE FM
2600	KVITNOS FM
2909	CROMER KNOLL GP



2909	LYSING FM
2924	LANGE FM
2956	LYR FM
3107	VIKING GP
3107	SPEKK FM
3153	MELKE FM
3480	FANGST GP
3480	NOT FM
3550	ILE FM
3638	BÅT GP
3638	TOFTE FM
3695	TILJE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT DSI	3393	3720
MDT DSI (MDT)	3606	3781
MDT PRESSURE	2903	2948
MDT SAMPLE	3511	0
MWD - GR RES DIR	1366	3725
PEX AIT	3201	3721
PEX DSI	2848	3385
VSP	1200	3385

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
INTERM.	13 3/8	1366.0	17 1/2	1371.0	0.00	LOT
INTERM.	9 5/8	2845.0	12 1/4	2851.0	1.50	LOT
LINER	7	3391.0	8 1/2	3392.0	0.00	LOT
OPEN HOLE		3725.0	6	3725.0	0.00	LOT

Boreslam



Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1877	1.43	46.0		CARBO SEA	
2005	1.43	38.0		CARBO SEA	
2915	1.52	34.0		CARBO SEA	
2918	1.52	34.0		CARBO SEA	
3392	1.31	22.0		CARBO SEA	
3420	1.30	20.0		CARBO SEA	

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
5386 Formation pressure (Formasjonstrykk)	pdf	0.28

