



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 18:17

Brønnbane navn	15/8-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	15/8-2
Seismisk lokalisering	ST04M01-inline1965 & xline 3475
Utvinningstillatelse	303
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1372-L
Boreinnretning	COSLPioneer
Boredager	60
Borestart	20.08.2011
Boreslutt	21.10.2011
Frigitt dato	21.10.2013
Publiseringsdato	21.10.2013
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	119.0
Totalt målt dybde (MD) [m RKB]	4386.0
Totalt vertikalt dybde (TVD) [m RKB]	4382.5
Maks inklinasjon [°]	8.7
Temperatur ved bunn av brønnbanen [°C]	143
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	SLEIPNER FM
Geodetisk datum	ED50
NS grader	58° 24' 55.1" N
ØV grader	1° 32' 49.9" E
NS UTM [m]	6476013.73
ØV UTM [m]	415122.23
UTM sone	31
NPDID for brønnbanen	6681



Brønnhistorie

General

The 15/8-2 well was drilled in the Ve sub-basin, west of the Sleipner Field and ca 3 km from the UK border in the North Sea. The primary objective was to prove a commercial hydrocarbon accumulation within Upper and Lower Hugin Formation. The secondary objectives were to test possible hydrocarbon presence within the Sleipner Formation and leads in the Hod Formation (Goldfinger lead) and Late Jurassic.

Operations and results

Well 15/8-2 was spudded with the semi-submersible installation COSLPioneer on 20 August 2011 and drilled to TD at 4386 m in the Middle Jurassic Sleipner Formation. Before spud, a shallow gas class 1 warning was given. A 9 7/8" pilot hole was drilled from 208.5 to 1100 m. However, no shallow gas was observed by the ROV at the wellhead or by the MWD during drilling. No significant problem was encountered in the operations. The well was drilled with Seawater and bentonite hi-vis sweeps down to 1133 m, with Glydril mud from 1133 m to 2419 m, and with Versatec OBM from 2419 m to TD.

The well penetrated rocks of Quaternary, Tertiary, Cretaceous, and Jurassic age. No hydrocarbon indications were observed in the Hod Formation (Goldfinger) and only thin sandstone stringers were observed in the Late Jurassic. The main target Upper Hugin Formation was encountered at 3881.5 m, 31 m higher than prognosed, and the Lower Hugin Formation came in at 4065 m, 1 m shallower than prognosed. The secondary target Sleipner Formation was encountered at 4238 m, i.e. 61 m deeper than prognosed. No movable hydrocarbons were proven in the well.

Shows: Bright yellowish direct fluorescence, and a slow streaming cloudy bluish white cut fluorescence was recorded in siltstones in the Draupne Formation in the interval from 3812 m to 3818 m and Heather Formation from 3845 m to 3857 m. In the Hugin Formation sandstones questionable shows (oil-based mud?) were recorded in the intervals from 3881 m to 3911 m and 4013m to 4120m.

No cores were cut. The MDT tool was run for pressure and fluid sampling. Four water samples were taken at 4011 m.

The well was permanently abandoned on 21 October 2011 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1140.00	4385.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
144	NORDLAND GP
878	UTSIRA FM
1027	HORDALAND GP
1898	GRID FM
2312	BALDER FM
2354	SELE FM
2399	LISTA FM
2432	HEIMDAL FM
2764	VÅLE FM
2848	SHETLAND GP
2848	EKOFISK FM
2904	TOR FM
3114	HOD FM
3381	BLODØKS FM
3432	HIDRA FM
3558	CROMER KNOLL GP
3558	RØDBY FM
3580	SOLA FM
3643	ÅSGARD FM
3763	VIKING GP
3763	DRAUPNE FM
3839	HEATHER FM
3882	VESTLAND GP
3882	HUGIN FM
4238	SLEIPNER FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DSI PEX GR	3708	4381
MDT GR	3888	4363
MDT GR	3912	3913
MWD - ARC PP	2419	3706
MWD - ARC TELE	208	1133
MWD - GVR PERI TELE	3706	4386
MWD - LWD - ARC PP	208	1100



MWD - PD ARC PP	1133	2419
MWD - TELE DIR	144	208
USIT CBL GR	3110	3708
VSP GR	195	4350

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	204.5	36	209.0	0.00	LOT
PILOT HOLE		1100.0	9 7/8	1100.0	0.00	LOT
SURF.COND.	20	1127.7	26	1133.0	1.44	LOT
INTERM.	13 3/8	2409.8	17 1/2	2419.0	1.72	LOT
INTERM.	9 5/8	3708.0	12 1/4	3708.0	1.55	LOT
OPEN HOLE		4386.0	8 1/2	4386.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1133	1.35	14.0		Spud Mud	
1136	1.22	12.0		Glydril	
1215	1.22	13.0		Glydril	
1820	1.22	13.0		Glydril	
2379	1.32	9.0		Glydril	
2419	1.35	18.0		Glydril	
2985	1.30	31.0		Versatec	
3188	1.30	30.0		Versatec	
3236	1.30	32.0		Versatec	
3650	1.30	34.0		Versatec	
3706	1.30	30.0		Versatec	
3849	1.41	40.0		Versatec	
4340	1.41	35.0		Versatec	
4386	1.41	32.0		Versatec	