Generell informasjon

Brønnbane navn	35/2-3
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	35/2-3
Seismisk lokalisering	3Dsurvey : NH 06M04-inline 4479 .crossline 5068
Utvinningstillatelse	318
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1406-L
Boreinnretning	SCARABEO 8
Boredager	44
Borestart	13.06.2012
Boreslutt	26.07.2012
Frigitt dato	10.08.2013
Publiseringsdato	10.08.2013
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	34.0
Vanndybde ved midlere havflate [m]	350.0
Totalt målt dybde (MD) [m RKB]	1640.0
Totalt vertikalt dybde (TVD) [m RKB]	1640.0
Maks inklinasjon [°]	1
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	SHETLAND GP
Geodetisk datum	ED50
NS grader	61° 49' 1.9'' N
ØV grader	3° 35' 10.1'' E
NS UTM [m]	6854119.26
ØV UTM [m]	530885.41
UTM sone	31
NPDID for brønnbanen	6921

Brønnhistorie

General

Well 35/2-3 was drilled on the Odden prospect in the Sogn Graben ca 10 km south-east of the Peon discovery and 76 km from the Norwegian shore. The objective was to test the Palaeocene sandstones in the Balder and Sele Formations. Planned TD was to drill 50 m into the Shetland Group or 1700 m TVD.

Operations and results

All operations on the wells were performed from the semi-submersible installation Scarabeo 8. A pilot hole 35/2-U-5 was drilled with sea water with hi-vis sweeps to 865 m due to a class 1 shallow gas warning. The well was displaced to 1.30 SG mud then a 15 minutes flow check was performed before the well was cemented back. The rig was moved to the planned main well location and the well was spudded. After drilling the 17 1/2" hole to 865 m, a water flow was observed at the well head. Due to this, the hole was cemented back and the well was abandoned. The well was renamed 35/2-U-6. The rig was moved to the alternative well location and the actual exploration well 35/2-3 was spudded on 13 June 2012. A contingency casing design was applied, installing a 20" surface casing above the suspected sandstone. The next section was drilled with weighted mud. The water flow in well 35/2-U-6 is interpreted as coming from sand layers at approximately 750 m. Well 35/2-3 was drilled without further major incident to TD at 1640 m, 50 m into the late Cretaceous Shetland Group. The main well was drilled with seawater and hi-vis pills down to 562 m and with Glydril mud from 562 m to TD.

The Balder Formation came in at 1323 m and the Sele Formation at 1396 m. Both had sandstones, but no indications of hydrocarbons were seen in these formations or in any other formation penetrated by the well.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
570.00	1640.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
386	NORDLAND GP
780	HORDALAND GP
1323	ROGALAND GP
1323	BALDER FM
1396	SELE FM
1574	VÅLE FM
1589	SHETLAND GP

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - GR RES ECD	455	865
LWD - GR RES ECD SON	864	1280
LWD - GR RES ECD SON DEN POR	1280	1640
MWD LWD - GR RES ECD	385	865
VSP	394	1629

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	36	461.0	40	469.0	0.00	LOT
SURF.COND.	20	557.0	26	562.0	1.18	LOT
INTERM.	13 3/8	861.0	17 1/2	864.0	1.50	LOT
INTERM.	9 5/8	1280.0	12 1/4	1280.0	1.77	LOT
OPEN HOLE		1640.0	8 1/2	1640.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
457	1.10	1.0		GE	
804	0.00	13.0		KC	
864	0.00	13.0		KC	
867	0.00	7.0		KC	

1124	0.00	17.0		KC	
1640	1.22	18.0		GL	