Generell informasjon

Brønnbane navn	9/2-11
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	9/2-11
Seismisk lokalisering	inline 1659 & xline 7588
Utvinningstillatelse	316 DS
Boreoperatør	Talisman Energy Norge AS
Boretillatelse	1299-L
Boreinnretning	TRANSOCEAN WINNER
Boredager	21
Borestart	09.03.2010
Boreslutt	29.03.2010
Frigitt dato	18.06.2010
Publiseringsdato	16.06.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	101.0
Totalt målt dybde (MD) [m RKB]	2861.0
Totalt vertikalt dybde (TVD) [m RKB]	2836.0
Maks inklinasjon [°]	16.6
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	BRYNE FM
Geodetisk datum	ED50
NS grader	57° 55' 21.46'' N
ØV grader	4° 33' 35.71'' E
NS UTM [m]	6421307.83
ØV UTM [m]	592404.02
UTM sone	31
NPDID for brønnbanen	6341

Brønnhistorie

General

The 9/2-11 Aubrey well was drilled ca 2 km north of the Yme Field in the Egersund Basin of the North Sea. The primary objective of the well was to test the hydrocarbon potential in sandstones of the Middle Jurassic Sandnes. The secondary objective was the potential upside in the underlying Middle Jurassic Bryne Formation. The well was drilled deviated in an S-shape to avoid drilling through an extensive fault zone vertically above the target.

Operations and results

Wildcat well 9/2-11was spudded with the semi-submersible installation Transocean Winner on 9 March 2010 and drilled to TD at 2861 m (2836 m TVD) in the Middle Jurassic Bryne Formation. The well was drilled with seawater and hi-vis sweeps down to 1509 m and with Enviromul oil based mud from 1509 m to TD.

Top of Cromer Knoll Group, the Sola Formation, came in at 1159 m, 92 m deep to prognosis. The reason for this is anticipated to be that the well crossed a normal fault just before entering sola, and that upper part of Sola is missing. The Formation below Sola, Åsgard Formation, was entered at prognosis. The Vestland Group came in at 2629 m. The reservoirs of both Sandnes and Bryne formations were of excellent quality as anticipated, but water wet. A coal layer was separating the shallow marine sands in Sandnes from the fluvial sands of Bryne, as expected. No oil shows were reported from the well.

No cores were cut. The well was logged on LWD/MWD. No wire line logs were run. No wire line fluid samples were taken.

The well was permanently abandoned on 29 March 2010 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1520.00	2861.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
127	NORDLAND GP
453	HORDALAND GP

620	ROGALAND GP
620	BALDER FM
643	SELE FM
652	LISTA FM
665	VÅLE FM
671	SHETLAND GP
671	EKOFISK FM
745	TOR FM
880	HOD FM
1159	CROMER KNOLL GP
1159	SOLA FM
1233	ÅSGARD FM
2101	BOKNFJORD GP
2101	FLEKKEFJORD FM
2180	SAUDA FM
2492	TAU FM
2574	EGERSUND FM
2629	VESTLAND GP
2629	SANDNES FM
2761	BRYNE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
6341_9_2_11	pdf	0.50

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD LWD - GR RES NEU DEN SON PWD	1509	2861
MWD LWD - GR RES PWD DIR	177	1055
MWD LWD - GR RES PWD DIR	1055	1509

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	175.0	36	177.0	0.00	LOT
INTERM.	9 5/8	1503.0	12 1/4	1509.0	2.16	LOT
OPEN HOLE		2861.0	8 1/2	2861.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
127	1.03			seawater	
1509	1.03			seawater	
2836	1.34			OBM	