



Generell informasjon





Brønnbane navn	9/3-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	9/3-2
Seismisk lokalisering	inline 28406 & trace 325 -survey ST9702
Utvinningstillatelse	316
Boreoperatør	Paladin Resources Norge AS
Boretillatelse	1100-L
Boreinnretning	MÆRSK GIANT
Boredager	48
Borestart	23.10.2005
Boreslutt	09.12.2005
Frigitt dato	09.12.2007
Publiseringsdato	28.02.2008
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	46.0
Vanndybde ved midlere havflate [m]	101.0
Totalt målt dybde (MD) [m RKB]	3154.0
Totalt vertikalt dybde (TVD) [m RKB]	3151.0
Maks inklinasjon [°]	5
Temperatur ved bunn av brønnbanen [°C]	92
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	57° 49' 25.79" N
ØV grader	4° 42' 39.64" E
NS UTM [m]	6410526.83
ØV UTM [m]	601631.24
UTM sone	31
NPDID for brønnbanen	5173



Brønnhistorie

General

Wildcat well 9/3-2 is located east in the Egersund Basin in the North Sea. The well was drilled as part of the Production License 316. PL 316 is a stratigraphic license that applies to all levels from 200 meter below base Jurassic and up to seafloor where Triassic is present, and all levels over base Jurassic where Triassic is not present. The main objective was to determine the presence of commercial volumes of hydrocarbons within the Sandnes formation of the Aimee prospect, which straddles Blocks 9/3 and 9/2. A secondary objective was to acquire reservoir pressure data and geological data, to improve reservoir understanding for any future field development.

Operations and results

Well 9/3-2 was spudded with the jack-up installation Mærsk Giant on 23 October 2005 and drilled to TD at 3154 m in the Late Triassic Skagerrak Formation. Operations took significantly longer time than planned due mainly to bad weather and open hole problems. The well was drilled with seawater down to 219 m, with seawater/KCl mud from 219 m to 507 m, with seawater only again from 507 m to 1149 m, and with "Enviromul" oil based mud from 1149 m to TD.

There were no sand development above Jurassic level. At 1970 m the well encountered a 690 m thick Late Jurassic Boknfjord Group described mainly as claystone, including a 104 m thick Tau Formation with top at 2503 m. The Sandnes Formation reservoir was penetrated at 2660 m (2612.6 m TVD SS), 29.4 m high from the prognosis, however no hydrocarbons were encountered. The Sandnes Formation had a gross interval of 117.6 m and a net interval of 81.84 m, with a net/gross of 0.69. Water wet Bryne reservoir was also encountered, at 2777.9 m (2730.2 m TVD SS). It had a gross interval of 290.02 m with a net interval of 71.93 m, giving a net/gross of 0.25. There were no shows in the well other than a very slow pale milky white cut, with a pale white residual in the Bryne Formation between 2810 - 2830 m, thought to relate to carbonaceous material.

No cores were cut in the well and no wire line fluid samples were taken. The check shot survey was cancelled due to high winds. A MDT run had been planned but was also cancelled. There was only one wire line run to reach TD with thermometers. The bottom hole temperatures from the maximum reading thermometers were: 92, 92 and 92°C.

The well was permanently abandoned on 9 December 2005 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
240.00	3154.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
147	NORDLAND GP
414	HORDALAND GP
566	ROGALAND GP
566	BALDER FM
588	SELE FM
598	LISTA FM
619	MAUREEN FM
624	SHETLAND GP
624	EKOFISK FM
665	TOR FM
910	HOD FM
1069	CROMER KNOLL GP
1069	SOLA FM
1162	ÅSGARD FM
1970	BOKNEFJORD GP
1970	FLEKKEFJORD FM
2072	SAUDA FM
2503	TAU FM
2607	EGERSUND FM
2660	VESTLAND GP
2660	SANDNES FM
2778	BRYNE FM
3068	NO GROUP DEFINED
3068	FJERRITSLEV FM
3118	NO GROUP DEFINED
3118	SKAGERRAK FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
5173	pdf	0.46

Logger





Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - DGR EWR P4 DIR PWD	211	3154
PEX DSI AIT	1144	3156

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	211.0	36	219.0	0.00	LOT
SURF.COND.	20	501.0	24	507.0	0.00	LOT
INTERM.	13 3/8	1144.0	17 1/2	1149.0	1.68	LOT
OPEN HOLE		3154.0	8 1/2	3154.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
365	1.00			WATER BASED	
507	1.03			WATER BASED	
1130	1.10			WATER BASED	
1152	1.30			OIL BASED	
1920	1.30	83.0		OIL BASED	
2065	1.30	75.0		OIL BASED	
2891	1.35	62.0		OIL BASED	
3035	1.35	57.0		OIL BASED	
3154	1.35	60.0		OIL BASED	