



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 14.5.2024 - 23:08

Brønnbane navn	6407/12-3
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6407/12-3
Seismisk lokalisering	Survey-RX07M01-inline 7091 & crossline 2727
Utvinningsstillatelse	470
Boreoperatør	Centrica Resources (Norge) AS
Boretillatelse	1310-L
Boreinnretning	WEST ALPHA
Boredager	20
Borestart	14.05.2010
Boreslutt	02.06.2010
Frigitt dato	03.10.2011
Publiseringsdato	03.10.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	18.0
Vanndybde ved midlere havflate [m]	288.0
Totalt målt dybde (MD) [m RKB]	1968.0
Totalt vertikalt dybde (TVD) [m RKB]	1968.0
Maks inklinasjon [°]	2
Temperatur ved bunn av brønnbanen [°C]	70
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	ILE FM
Geodetisk datum	ED50
NS grader	64° 14' 17.73" N
ØV grader	7° 48' 54.34" E
NS UTM [m]	7124275.91
ØV UTM [m]	442537.32
UTM sone	32
NPDID for brønnbanen	6370



Brønnhistorie

General

Well 6407/12-3 was drilled on the Caerus prospect in the Froan Basin, ca 4 km east of the southern end of the Draugen Field in the Norwegian Sea. The primary objective was to evaluate the hydrocarbon potential in the Late Jurassic Rogn Formation within the license PL 470. Secondary objective was to check for hydrocarbon presence in the Middle Jurassic Garn and Ile Formations.

Operations and results

Wildcat well 6407/12-3 was spudded with the semi-submersible installation West Alpha on 14 May 2010. Drilling started with a pilot hole down to 1080 m to confirm no shallow gas. The pilot was opened up with 36" and 26" hole openers and further drilling commenced without significant problems to TD at 1968 m in the Middle Jurassic Ile Formation. The well was drilled with seawater and hi-vis sweeps down to 1080 m and with KCl/Glydril WBM from 1080 m to TD.

The expected thin section of the Shetland Group was missing. Based on biostratigraphic analyses the formation changes directly from the Tertiary Tang Formation to the Early Cretaceous Lange Formation. Top Viking Group, Spekk Formation was encountered at 1629.5 m. The primary prospect Rogn Formation, an intra-Spekk deposit, was not seen. However, biostratigraphic analyses suggested a shaly time equivalent deposition might exist. The secondary prospect, the Garn Formation did not come in as prognosed, instead an intra-Melke Formation (according to biostratigraphy) sandstone deposition was encountered at the prognosed depth for the Garn Sandstone, from 1781 to 1816 m. The Garn Formation came in deeper, from 1828 to 1890 m. This was however a very shaly deposits with only minor sandstone beds. This is also known from some other wells in the area, but no wells have the thickness of the formation as seen in the Caerus well.

The well was dry. Gas levels were generally low throughout the well and there were no hydrocarbons according to the logs. No oil shows were recorded.

No cores were cut. Pressure points were acquired with the XPT tool. No wire line fluid samples were taken.

The well was permanently abandoned on 2 June 2010 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1090.00	1968.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
306	NORDLAND GP
306	NAUST FM
558	KAI FM
678	HORDALAND GP
678	BRYGGE FM
1169	ROGALAND GP
1169	TARE FM
1286	TANG FM
1486	CROMER KNOLL GP
1486	LANGE FM
1598	LYR FM
1630	VIKING GP
1630	SPEKK FM
1727	MELKE FM
1781	INTRA MELKE FM SS
1816	MELKE FM
1828	FANGST GP
1828	GARN FM
1890	NOT FM
1921	ILE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DSI HRLA PEX XPT GR ECRD	1571	1950
LWD - DI	306	1080
LWD - GR RES APWD DI SON	306	1082
LWD - GR RES APWD DI SON	1080	1968
VSP	306	1960

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	384.0	36	386.0	0.00	LOT
SURF.COND.	13 3/8	1068.0	17 1/2	1080.0	1.50	LOT



INTERM.	9 5/8	1572.0	12 1/4	1575.0	1.50	LOT
OPEN HOLE		1968.0	8 1/2	1968.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
294	1.02			Hi Vis sweep	
391	1.59	22.0		Kill mud	
1080	1.29	29.0		Disp. mud	
1349	1.29	20.0		Glydril WBM	
1688	1.29	19.0		Glydril	
1968	1.29	20.0		Glydril	