



Generell informasjon

Brønnbane navn	16/10-5
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	16/10-5
Seismisk lokalisering	inline1604 & xline 3075
Utvinningstillatelse	568
Boreoperatør	Talisman Energy Norge AS
Boretillatelse	1414-L
Boreinnretning	MÆRSK GIANT
Boredager	53
Borestart	06.10.2012
Boreslutt	27.11.2012
Frigitt dato	27.11.2014
Publiseringsdato	02.06.2015
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	43.2
Vanndybde ved midlere havflate [m]	83.5
Totalt målt dybde (MD) [m RKB]	3034.0
Totalt vertikalt dybde (TVD) [m RKB]	3034.0
Maks inklinasjon [°]	2.2
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	BRYNE FM
Geodetisk datum	ED50
NS grader	58° 0' 3.58" N
ØV grader	2° 7' 55.56" E
NS UTM [m]	6429296.51
ØV UTM [m]	448698.86
UTM sone	31
NPDID for brønnbanen	7021



Brønnhistorie

General

Well 16/10-5 was drilled on the Isbjørn prospect in the northern end of the Jæren High in the North Sea. The Isbjørn Prospect was mapped as a four-way dip-closure structure. The primary objective of the well was to test the hydrocarbon potential in the Late Jurassic Ula Formation sandstones.

Operations and results

Well 16/10-5 was spudded with the jack-up installation Mærsk Giant on 6 October 2012 and drilled to TD at 3034 m in the Middle Jurassic Bryne Formation. A 12 1/2" pilot hole was drilled from below the 30" conductor to 1057 m to check for shallow gas. No shallow gas was seen. Drilling of the 8-1/2" section was troubled with junk in the hole ending up with two additional clean-out runs; else, operations proceeded without significant problem. The well was drilled with seawater and sweeps down to 180 m, with KCl/GEM/Polymer mud from 180 m to 1057 m, and with Enviromul oil based mud from 1057 m to TD.

The well penetrated 98 m of radioactive Mandal Formation shales directly overlying the Ula Formation. The Ula formation came in at 2929 m, which was 65 m shallower than the prognosis. One hundred and six m of good quality sand was penetrated but it was water filled without shows and gas values were low. RCI pressure data points indicate a common formation water gradient, with no likely internal pressure barriers, for both Ula and Bryne Formations.

No conventional or sidewall cores were taken. The RCI tool was run for pressure points, but no fluid samples were taken. Maximum static temperatures was measured in the reservoir on wireline RCI run was 124 °C at 3039 m.

The well was permanently abandoned on 27 November 2012 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
190.00	3034.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
127	NORDLAND GP
1115	HORDALAND GP



2040	ROGALAND GP
2040	BALDER FM
2049	SELE FM
2102	LISTA FM
2154	VÅLE FM
2171	SHETLAND GP
2171	EKOFISK FM
2212	TOR FM
2549	HOD FM
2685	BLODØKS FM
2689	HIDRA FM
2709	CROMER KNOLL GP
2709	RØDBY FM
2718	SOLA FM
2720	TUXEN FM
2753	ÅSGARD FM
2831	TYNE GP
2831	MANDAL FM
2929	VESTLAND GP
2929	ULA FM
3016	BRYNE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
ASP	1900	3020
DIR	180	1051
MWD - GR RES DIR	180	1057
MWD - GR RES SON DIR	1057	2630
MWD -GR RES DEN NEU SON DIR	2633	3034
RCI	2935	3029

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	180.0	30	180.0	0.00	
INTERM.	13 3/8	1048.0	17 1/2	1057.0	1.91	LOT
PILOT HOLE		1057.0	12 1/4	1057.0	0.00	



INTERM.	9 5/8	2607.0	12 1/4	2630.0	1.90	LOT
OPEN HOLE		3034.0	8 1/2	3034.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
190	1.19	21.0		KCl / Polymer / GEM	
455	1.22	22.0		KCl / Polymer / GEM	
1050	1.20	21.0		KCl / Polymer / GEM	
1057	1.20	20.0		KCl / Polymer / GEM	
1061	1.51	29.0		Enviormul Yellow	
2630	1.56	38.0		Enviromul Yellow	
2630	1.58	37.0		Enviromul Yellow	
2630	1.57	36.0		Enviromul Yellow	
3034	1.51	32.0		Enviromul Yellow	

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
7021 Formation pressure (Formasjonstrykk)	pdf	0.22

