



Generell informasjon

Brønnbane navn	30/9-22
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	OSEBERG SØR
Funn	30/9-22 Stjerne
Brønn navn	30/9-22
Seismisk lokalisering	inline3401 & crossline 6973(NH05-M01-Full 3D cube)
Utvinningstillatelse	104
Boreoperatør	StatoilHydro Petroleum AS
Boretillatelse	1226-L
Boreinnretning	POLAR PIONEER
Boredager	41
Borestart	29.01.2009
Boreslutt	10.03.2009
Frigitt dato	10.03.2011
Publiseringsdato	10.03.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	INTRA HEATHER FM SS
2. nivå med hydrokarboner, alder	MIDDLE JURASSIC
2. nivå med hydrokarboner, formasjon	TARBERT FM
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	95.3
Totalt målt dybde (MD) [m RKB]	3255.0
Totalt vertikalt dybde (TVD) [m RKB]	3254.0
Maks inklinasjon [°]	4
Temperatur ved bunn av brønnbanen [°C]	117



Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	60° 17' 31.78" N
ØV grader	2° 42' 5.84" E
NS UTM [m]	6684143.45
ØV UTM [m]	483503.35
UTM sone	31
NPDID for brønnbanen	6034

Brønnhistorie

General

Well 30/9-22 (Katla) was drilled on the edge of the Horda Platform in the northern part of the Viking Graben, south of the Oseberg Sør field. The objective was to prove the presence of commercial hydrocarbons in the Middle Jurassic Tarbert Formation and to collect all data needed to assess the development of the prospect.

Operations and results

Wildcat well 30/9-22 was spudded with the semi-submersible installation Polar Pioneer on 29 January 2009 and drilled to TD at 3255 m in the Early Jurassic Dunlin Group. No shallow gas was observed by the ROV at the wellhead or by the MWD while drilling the 26" hole or the 17 1/2" hole. No significant problems occurred in the operations. The well was drilled with seawater and CaCl₂ /polymer down to 339 m and with Glydril water based mud from 339 m to TD.

The well penetrated rocks of Quaternary, Tertiary, Cretaceous, and Jurassic age. The Heather Formation (Intra-Heather Formation Sandstone) was encountered at 2828 m, 44 m shallower than prognosed. The Tarbert Formation was encountered at 2866 m, 55 m shallower than prognosed. The Intra Heather Formation sandstone was gas filled, and the Tarbert Formation sandstone contained both gas and oil. Pressure measurements indicated a higher gas gradient and a pressure regime that was ca one bar lower in the Intra-Heather reservoir compared to the Tarbert Formation. The Tarbert Formation had a gas-oil contact at 2874 m and an oil-water contact at 2911 m. No oil shows were recorded outside of the target reservoir sections.

Two cores were cut; the first one started in the Heather Formation and continued in the Tarbert Formation, core #2 was cut in the Tarbert Formation only. MDT fluid samples were collected in the Intra-Heather sandstone at 2829.9 m (gas), and in the Tarbert Formation at 2867.9 m (gas), 2893.5 m (oil), and 2920.8 m (water)

The well was permanently abandoned on 10 March 2009 as an oil and gas discovery.

Testing

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
340.00	3255.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2841.0	2895.4	[m]
2	2895.5	2949.7	[m]

Total kjerneprøve lengde [m]	108.6
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
118	NORDLAND GP
688	UTSIRA FM
864	HORDALAND GP
2139	ROGALAND GP
2139	BALDER FM
2197	SELE FM
2255	LISTA FM
2345	VÅLE FM
2430	SHETLAND GP
2430	HARDRÅDE FM
2678	KYRRE FM
2749	CROMER KNOLL GP
2749	SOLA FM
2758	ÅSGARD FM
2790	VIKING GP
2790	DRAUPNE FM
2830	HEATHER FM
2867	BRENT GP
2867	TARBERT FM
2995	NESS FM
3205	DUNLIN GP



3205

DRAKE FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
6034_01_30_9_22_gch_transfer_1	txt	0.00
6034_02_30_9_22_gch_results_1	txt	0.40

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT PRESSURE	2829	3032
MDT SAMPLE	2829	3032
MWD LWD - ARC & GEOVISION6	2770	3255
MWD LWD - POWERPULSE	117	183
MWD LWD - POWERPULSE ARCVISION9	183	1465
MWD LWD - TELESCOPE ARCVISION8	1465	2770
PEX HRLA MSIP	2705	3248
VSI ZOVSP	650	3248

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	36	183.0	0.00	LOT
SURF.COND.	20	336.0	26	339.0	1.71	LOT
INTERM.	13 3/8	1460.0	17 1/2	1465.0	1.82	LOT
INTERM.	9 5/8	2768.0	12 1/2	2770.0	1.94	LOT
OPEN HOLE		3255.0	8 1/2	3255.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
478	1.25	17.0		Glydril	
867	1.25	19.0		Glydril	





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 13:34

1376	1.25	16.0		Glydril	
1512	1.45	11.0		Glydril	
1919	1.45	20.0		Glydril	
2685	1.46	23.0		Glydril	
2770	1.45	24.0		Glydril	
2779	1.25	14.0		Glydril	
2852	1.45	24.0		Glydril	
2971	1.25	16.0		Glydril	
3255	1.25	16.0		Glydril	