



Generell informasjon

Brønnbane navn	34/10-37
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	GULLFAKS SØR
Funn	34/10-37 Gullveig
Brønn navn	34/10-37
Seismisk lokalisering	NOD4-84-06 & SP2030
Utvinningstillatelse	050
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	802-L
Boreinnretning	DEEPSEA BERGEN
Boredager	28
Borestart	26.01.1995
Boreslutt	22.02.1995
Frigitt dato	22.02.1997
Publiseringsdato	19.10.2006
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	NESS FM
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	140.0
Totalt målt dybde (MD) [m RKB]	2873.0
Totalt vertikalt dybde (TVD) [m RKB]	2872.0
Maks inklinasjon [°]	3.1
Temperatur ved bunn av brønnbanen [°C]	103
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	61° 8' 9.78" N



ØV grader	2° 0' 55.81" E
NS UTM [m]	6778501.30
ØV UTM [m]	446979.26
UTM sone	31
NPDID for brønnbanen	2431

Brønnhistorie

General

Wildcat well 34/10-37 was drilled in the Tampen Spur area, ca 8 km WNW of the Gullfaks Sør Field. The main objective of the well was to test the potential for hydrocarbons in the sandstones of Middle Jurassic age (Brent Group) on the Delta prospect.

Operations and results

Well 34/10-37 was spudded with the semi-submersible installation Deepsea Bergen on 26 January 1995 and drilled to TD at 2873 m in the Early Jurassic Drake Formation. No significant problems were encountered in the operations. The well was drilled with bentonite/CMC EHV down to 1525 m, and with KCl/PAC from 1525 m to TD.

Well 34/10-37 penetrated the Brent Group at 2613 m; about 58 m deeper than prognosed and the Tarbert Formation was found to be absent. The Brent Group proved to be hydrocarbon bearing with an OWC at 2645 m (2622 m TVD MSL).

Two conventional cores were cut from 2626 m to 2673 m in the Ness Formation. Segregated FMT samples were taken at 2624.7 m (both contained oil and gas), 2629 m (oil and gas), 2642 m (oil and gas), and at 2670 m (water with gas). The results from 34/10-37 indicated a more complex fault pattern at the crest of the structure than expected and it was decided to drill a side track. The well bore was plugged back to 2055 m on 22 February 1995 and abandoned as an oil discovery.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1530.00	2873.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2626.0	2644.7	[m]
2	2645.0	2672.1	[m]

Total kjerneprøve lengde [m]	45.8
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2626-2631m



2631-2636m



2636-2641m



2641-2644m



2646-2650m



2650-2655m



2655-2660m



2660-2665m



2665-2670m



2670-2672m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1530.0	[m]	DC	GEOST
1540.0	[m]	DC	GEOST
1560.0	[m]	DC	GEOST
1570.0	[m]	DC	GEOST
1590.0	[m]	DC	GEOST
1600.0	[m]	DC	GEOST
1620.0	[m]	DC	GEOST
1630.0	[m]	DC	GEOST
1650.0	[m]	DC	GEOST
1660.0	[m]	DC	GEOST
1680.0	[m]	DC	GEOST
1690.0	[m]	DC	GEOST



1710.0 [m]	DC	GEOST
1720.0 [m]	DC	GEOST
1740.0 [m]	DC	GEOST
1750.0 [m]	DC	GEOST
1770.0 [m]	DC	GEOST
1780.0 [m]	DC	GEOST
1800.0 [m]	DC	GEOST
1810.0 [m]	DC	GEOST
1830.0 [m]	DC	GEOST
1840.0 [m]	DC	GEOST
1860.0 [m]	DC	GEOST
1870.0 [m]	DC	GEOST
1890.0 [m]	DC	GEOST
1900.0 [m]	DC	GEOST
1920.0 [m]	DC	GEOST
1930.0 [m]	DC	GEOST
1950.0 [m]	DC	GEOST
1960.0 [m]	DC	GEOST
1980.0 [m]	DC	GEOST
2000.0 [m]	DC	GEOST
2010.0 [m]	DC	GEOST
2020.0 [m]	DC	GEOST
2040.0 [m]	DC	GEOST
2050.0 [m]	DC	GEOST
2070.0 [m]	DC	GEOST
2080.0 [m]	DC	GEOST
2100.0 [m]	DC	GEOST
2110.0 [m]	DC	GEOST
2130.0 [m]	DC	GEOST
2140.0 [m]	DC	GEOST
2160.0 [m]	DC	GEOST
2170.0 [m]	DC	GEOST
2190.0 [m]	DC	GEOST
2200.0 [m]	DC	GEOST
2220.0 [m]	DC	GEOST
2230.0 [m]	DC	GEOST
2250.0 [m]	DC	GEOST
2260.0 [m]	DC	GEOST
2280.0 [m]	DC	GEOST
2290.0 [m]	DC	GEOST



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 11.5.2024 - 14:50

2300.0	[m]	DC	GEOST
2330.0	[m]	DC	GEOST
2340.0	[m]	DC	GEOST
2350.0	[m]	DC	GEOST
2360.0	[m]	DC	GEOST
2380.0	[m]	DC	GEOST
2390.0	[m]	DC	GEOST
2410.0	[m]	DC	GEOST
2420.0	[m]	DC	GEOST
2440.0	[m]	DC	GEOST
2450.0	[m]	DC	GEOST
2456.0	[m]	DC	GEOST
2462.0	[m]	DC	GEOST
2468.0	[m]	DC	GEOST
2477.0	[m]	DC	GEOST
2483.0	[m]	DC	GEOST
2489.0	[m]	DC	GEOST
2495.0	[m]	DC	GEOST
2501.0	[m]	DC	GEOST
2507.0	[m]	DC	GEOST
2513.0	[m]	DC	GEOST
2519.0	[m]	DC	GEOST
2525.0	[m]	DC	GEOST
2528.0	[m]	DC	GEOST
2534.0	[m]	DC	GEOST
2540.0	[m]	DC	GEOST
2546.0	[m]	DC	GEOST
2549.0	[m]	DC	GEOST
2558.0	[m]	DC	GEOST
2563.0	[m]	SWC	STATO
2570.0	[m]	DC	GEOST
2579.0	[m]	DC	GEOST
2583.0	[m]	DC	STATO
2591.0	[m]	DC	GEOST
2596.0	[m]	SWC	STATO
2603.0	[m]	DC	GEOST
2608.0	[m]	DC	WESTL
2609.0	[m]	DC	GEOST
2611.0	[m]	DC	WESTL
2612.0	[m]	SWC	STATO



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 11.5.2024 - 14:50

2614.0	[m]	DC	WESTL
2617.0	[m]	DC	WESTL
2619.0	[m]	SWC	STATO
2619.0	[m]	SWC	WESTL
2620.0	[m]	DC	WESTL
2624.0	[m]	DC	GEOST
2626.0	[m]	DC	WESTL
2626.0	[m]	C	STATO
2629.0	[m]	C	STATO
2631.0	[m]	C	STATO
2633.0	[m]	C	STATO
2637.0	[m]	C	STATO
2639.0	[m]	C	STATO
2641.0	[m]	C	STATO
2644.0	[m]	C	STATO
2645.0	[m]	C	STATO
2648.0	[m]	C	STATO
2651.0	[m]	C	STATO
2655.0	[m]	C	STATO
2658.0	[m]	C	STATO
2661.0	[m]	C	STATO
2663.0	[m]	C	STATO
2665.0	[m]	C	STATO
2667.0	[m]	C	STATO
2671.0	[m]	C	STATO
2678.0	[m]	DC	GEOST
2684.0	[m]	DC	GEOST
2690.0	[m]	DC	GEOST
2694.0	[m]	SWC	STATO
2703.0	[m]	SWC	STATO
2710.0	[m]	SWC	STATO
2720.0	[m]	DC	GEOST
2729.0	[m]	SWC	STATO
2734.0	[m]	SWC	STATO
2741.0	[m]	DC	GEOST
2747.0	[m]	DC	GEOST
2759.0	[m]	DC	GEOST
2765.0	[m]	DC	GEOST
2774.0	[m]	DC	GEOST
2780.0	[m]	DC	GEOST



2786.0	[m]	DC	GEOST
2792.0	[m]	DC	GEOST
2799.0	[m]	SWC	STATO
2806.0	[m]	SWC	STATO
2810.0	[m]	DC	GEOST
2815.0	[m]	SWC	STATO
2822.0	[m]	DC	GEOST
2828.0	[m]	DC	GEOST
2834.0	[m]	DC	GEOST
2840.0	[m]	SWC	STATO
2846.0	[m]	DC	GEOST
2852.0	[m]	DC	GEOST
2858.0	[m]	DC	GEOST
2864.0	[m]	DC	GEOST
2870.0	[m]	DC	GEOST
2873.0	[m]	DC	GEOST

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
163	NORDLAND GP
916	UTSIRA FM
958	HORDALAND GP
1754	ROGALAND GP
1754	BALDER FM
1830	LISTA FM
1858	SHETLAND GP
2517	VIKING GP
2517	HEATHER FM
2613	BRENT GP
2613	NESS FM
2730	ETIVE FM
2750	RANNOCH FM
2796	BROOM FM
2810	DUNLIN GP
2810	DRAKE FM

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)





Dokument navn	Dokument format	Dokument størrelse [KB]
2431_34_10_37_COMPLETION_REPORT_AND_LOG	pdf	33.54

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DIPLOG GR	2545	2872
DLL MLL DAC ZDL CN DSL	2351	2872
FMT QDYNE GR	2616	2780
FMT QDYNE GR	2624	2624
FMT QDYNE GR	2624	2624
FMT QDYNE GR	2629	2629
FMT QDYNE GR	2670	2670
MWD - DPR	228	1525
MWD - RGD	1525	2873
SWC GR	2500	2824
SWC GR	2507	2840
VSP	500	2870

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	222.0	36	228.0	0.00	LOT
INTERM.	13 3/8	1504.0	17 1/2	1525.0	1.65	LOT
INTERM.	9 5/8	2353.0	12 1/4	2369.0	2.04	LOT
OPEN HOLE		2873.0	8 1/2	2873.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
185	1.03			WATER BASED	
571	1.03			WATER BASED	
1415	1.03			WATER BASED	
1525	1.03			WATER BASED	
2174	1.57	32.0		WATER BASED	





2369	1.48	29.0		WATER BASED	
2612	1.57	36.0		WATER BASED	
2640	1.57	32.0		WATER BASED	
2825	1.57	36.0		WATER BASED	

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]
2431 Formation pressure (Formasjonstrykk)	pdf	0.23

