



Generell informasjon

Brønnbane navn	6201/11-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6201/11-2
Seismisk lokalisering	ST 8810 - 403 SP 385
Utvinningstillatelse	130
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	664-L
Boreinnretning	DEEPSEA BERGEN
Boredager	60
Borestart	11.01.1991
Boreslutt	11.03.1991
Frigitt dato	11.03.1993
Publiseringsdato	18.05.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	373.0
Totalt målt dybde (MD) [m RKB]	3778.0
Totalt vertikalt dybde (TVD) [m RKB]	3775.0
Maks inklinasjon [°]	9
Temperatur ved bunn av brønnbanen [°C]	150
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	HEATHER FM
Geodetisk datum	ED50
NS grader	62° 1' 7.62" N
ØV grader	1° 25' 16.78" E
NS UTM [m]	6877443.35
ØV UTM [m]	417366.03
UTM sone	31
NPDID for brønnbanen	1549

**Brønnhistorie****General**

Well 6201/11-2 was designed to drill the Oksen prospect in the southwestern corner of block 6201/11. A prominent NE-SW trending ridge complex occupies the southern part of this block, separating the Møre Basin from the northern North Sea along the Møre Trøndelag fault complex. The reservoir rocks of the Oksen prospect were interpreted as synrift submarine fan deposits of Kimmeridge age located in a half graben between two Triassic Highs. Trapping mechanism were stratigraphically dependant on sealing faults towards rotated Triassic rocks in southeast. The objectives of the well were to test the hydrocarbon and reservoir potential of the Late Jurassic play-concept (Magnus Sand) and to test the geophysical and structural interpretation of the area and give valuable information on palaeontology and geochemistry.

Shallow gas warnings were given for two levels.

Operations and results

Wildcat well 6201/11-02 was spudded with the semi-submersible rig Deepsea Bergen on 8 January 1991 and drilled to TD at a total depth of 3778 m in the Jurassic Heather Formation. The well was drilled with seawater/CMC/viscous plugs down to 780 m, with KCl/polymer mud from 780 m to 3335 m, and with gel/lignosulfonate mud from 3335 m to TD. The well was drilled without major problems, except for 3 days lost rig-time due to low leak-off value at the 20" casing shoe.

Top Late Jurassic was encountered at 3339 m, which is 24 m lower than prognosed. No potential reservoir rocks were encountered in the Late/Middle Jurassic. The biostratigraphic breakdown was difficult to interpret from approximately 3650 m and to TD with Triassic shale overlying the Late Jurassic Heather Formation towards TD. It is thus possible that the Jurassic and Triassic sequences in this well represent slumped/slided sediment packages similar to the situation in well 33/5-2 not very far to the south. The only shows recorded were cut fluorescence in claystones in the interval 3350 m to 3712 m. One conventional core was cut in the interval 3697-3712 m. No fluid samples were attempted. A total of 100 sidewall cores were attempted, 77 were recovered. The well was permanently abandoned on 12 March 1991 as a dry well.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
790.00	3776.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerner i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3697.0	3710.9	[m]

Total kjerneprøve lengde [m]	13.9
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3697-3702m



3702-3707m



3707-3710m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1200.0	[m]	DC	GEOCH
1210.0	[m]	DC	GEOCH
1230.0	[m]	DC	GEOCH
1240.0	[m]	DC	GEOCH
1260.0	[m]	DC	GEOCH
1280.0	[m]	DC	GEOCH
1300.0	[m]	DC	GEOCH
1320.0	[m]	DC	GEOCH
1340.0	[m]	DC	GEOCH
1360.0	[m]	DC	GEOCH
1370.0	[m]	DC	GEOCH
1380.0	[m]	DC	GEOCH
1400.0	[m]	DC	GEOCH
1420.0	[m]	DC	GEOCH
1430.0	[m]	DC	GEOCH
1450.0	[m]	DC	GEOCH
1460.0	[m]	DC	GEOCH
1480.0	[m]	DC	GEOCH
1490.0	[m]	DC	GEOCH



Faktasider

Brønnbane / Leting

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1500.0	[m]	DC	GEOCH
1520.0	[m]	DC	GEOCH
1530.0	[m]	DC	GEOCH
1540.0	[m]	DC	GEOCH
1560.0	[m]	DC	GEOCH
1570.0	[m]	DC	GEOCH
1590.0	[m]	DC	GEOCH
1620.0	[m]	DC	GEOCH
1640.0	[m]	DC	GEOCH
1660.0	[m]	DC	GEOCH
1680.0	[m]	DC	GEOCH
1700.0	[m]	DC	GEOCH
1720.0	[m]	DC	GEOCH
1740.0	[m]	DC	GEOCH
1760.0	[m]	DC	GEOCH
1780.0	[m]	DC	GEOCH
1800.0	[m]	DC	GEOCH
1845.0	[m]	SWC	STATO
1905.0	[m]	SWC	STATO
1910.0	[m]	DC	GEOCH
2065.0	[m]	SWC	STATO
2095.0	[m]	SWC	STATO
2120.0	[m]	DC	GEOCH
2140.0	[m]	DC	GEOCH
2150.0	[m]	SWC	STATO
2170.0	[m]	DC	GEOCH
2190.0	[m]	DC	GEOCH
2210.0	[m]	DC	GEOCH
2220.0	[m]	DC	GEOCH
2230.0	[m]	DC	GEOCH
2240.0	[m]	DC	GEOCH
2248.0	[m]	SWC	STATO
2270.0	[m]	DC	GEOCH
2290.0	[m]	DC	GEOCH
2310.0	[m]	DC	GEOCH
2330.0	[m]	DC	GEOCH
2350.0	[m]	SWC	STATO
2370.0	[m]	DC	GEOCH
2390.0	[m]	DC	GEOCH
2410.0	[m]	DC	GEOCH



2430.0	[m]	DC	GEOCH
2450.0	[m]	DC	GEOCH
2470.0	[m]	DC	GEOCH
2490.0	[m]	DC	GEOCH
2500.0	[m]	DC	GEOCH
2510.0	[m]	DC	GEOCH
2520.0	[m]	DC	GEOCH
2530.0	[m]	DC	GEOCH
2550.0	[m]	DC	GEOCH
2570.0	[m]	DC	GEOCH
2590.0	[m]	DC	GEOCH
2610.0	[m]	DC	GEOCH
2630.0	[m]	DC	GEOCH
2710.0	[m]	DC	GEOCH
2725.0	[m]	SWC	STATO
2740.0	[m]	DC	GEOCH
2750.0	[m]	DC	GEOCH
2760.0	[m]	SWC	STATO
2780.0	[m]	DC	GEOCH
2819.0	[m]	SWC	STATO
2850.0	[m]	SWC	STATO
2860.0	[m]	DC	GEOCH
2880.0	[m]	SWC	STATO
2900.0	[m]	DC	GEOCH
2910.0	[m]	SWC	STATO
2930.0	[m]	DC	GEOCH
2960.0	[m]	DC	GEOCH
2970.0	[m]	SWC	STATO
2990.0	[m]	DC	GEOCH
3000.0	[m]	DC	GEOCH
3010.0	[m]	DC	GEOCH
3040.0	[m]	DC	GEOCH
3080.0	[m]	DC	GEOCH
3100.0	[m]	DC	GEOCH
3130.0	[m]	DC	GEOCH
3170.0	[m]	DC	GEOCH
3200.0	[m]	DC	GEOCH
3210.0	[m]	SWC	STATO
3224.0	[m]	DC	GEOCH
3230.0	[m]	DC	GEOCH



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3242.0 [m]	DC	GEOCH
3251.0 [m]	DC	GEOCH
3260.0 [m]	DC	GEOCH
3281.0 [m]	DC	GEOCH
3290.0 [m]	DC	GEOCH
3302.0 [m]	DC	GEOCH
3311.0 [m]	DC	GEOCH
3320.0 [m]	DC	GEOCH
3330.0 [m]	SWC	STATO
3335.0 [m]	SWC	STATO
3337.0 [m]	SWC	STATO
3339.5 [m]	SWC	STATO
3347.0 [m]	DC	GEOCH
3360.0 [m]	SWC	STATO
3365.0 [m]	SWC	STATO
3374.0 [m]	DC	GEOCH
3385.5 [m]	SWC	STATO
3392.0 [m]	DC	GEOCH
3401.0 [m]	DC	GEOCH
3413.5 [m]	SWC	STATO
3419.0 [m]	DC	GEOCH
3428.0 [m]	DC	GEOCH
3437.0 [m]	DC	GEOCH
3446.5 [m]	SWC	STATO
3455.0 [m]	DC	GEOCH
3466.5 [m]	SWC	STATO
3473.0 [m]	DC	GEOCH
3485.0 [m]	DC	GEOCH
3491.0 [m]	DC	GEOCH
3501.0 [m]	SWC	STATO
3512.0 [m]	SWC	STATO
3521.0 [m]	SWC	STATO
3533.0 [m]	DC	GEOCH
3543.0 [m]	SWC	STATO
3547.5 [m]	SWC	STATO
3560.0 [m]	DC	GEOCH
3569.0 [m]	DC	GEOCH
3578.0 [m]	DC	GEOCH
3593.0 [m]	SWC	STATO
3605.0 [m]	DC	GEOCH



3623.0	[m]	DC	GEOCH
3638.0	[m]	SWC	STATO
3644.0	[m]	DC	GEOCH
3650.5	[m]	SWC	STATO
3663.5	[m]	SWC	STATO
3668.5	[m]	SWC	STATO
3671.0	[m]	DC	GEOCH
3678.0	[m]	SWC	STATO
3687.5	[m]	SWC	STATO
3697.1	[m]	C	STATO
3697.2	[m]	C	STATO
3697.7	[m]	C	STATO
3698.0	[m]	C	STATO
3698.8	[m]	C	STATO
3722.0	[m]	DC	GEOCH
3728.5	[m]	SWC	STATO
3733.0	[m]	SWC	STATO
3739.5	[m]	SWC	STATO
3770.0	[m]	DC	GEOCH
3776.0	[m]	DC	GEOCH

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
396	NORDLAND GP
1200	UTSIRA FM
1224	HORDALAND GP
1815	ROGALAND GP
1909	LISTA FM
2042	SHETLAND GP
2042	JORSALFARE FM
2220	KYRRE FM
3339	VIKING GP
3339	DRAUPNE FM
3544	HEATHER FM
3668	DUNLIN GP
3668	DRAKE FM
3697	HEGRE GP
3697	LUNDE FM



3726	VIKING GP
3726	HEATHER FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1549	pdf	0.54

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1549_1	pdf	1.47
1549_2	pdf	0.92

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1549_01_WDSS_General_Information	pdf	0.48
1549_02_WDSS_completion_log	pdf	0.21

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1549_6201_11_2_COMPLETION_REPORT_AND_LOG	pdf	9.19

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	381	3319
CBL VDL GR	550	1727
CDL CNL GR	3319	3766
CDL GR	351	1723
CDL GR	1727	3332





CST	1731	3335
CST	3334	3762
DIFL ACL GR SP CAL	351	1723
DIFL ACL GR SP CAL	1727	3332
DIFL ACL GR SP CAL	3319	3766
DIPLOG	3319	3762
FMT GR	3360	3737
MWD - DIR	785	3122
MWD - DPR	459	785
MWD - DPR	3122	3778
VSP	600	3750

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	454.0	36	455.0	0.00	LOT
INTERM.	20	774.0	26	775.0	1.30	LOT
INTERM.	13 3/8	1731.0	17 1/2	1732.0	1.70	LOT
INTERM.	9 5/8	3326.0	12 1/4	3327.0	1.94	LOT
OPEN HOLE		3778.0	8 1/2	3778.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1030	1.20	14.0	5.0	WATER BASED	28.01.1991
1100	1.20	14.0	5.0	WATER BASED	28.01.1991
1214	1.20	14.0	5.0	WATER BASED	28.01.1991
1697	1.25	21.0	6.0	WATER BASED	28.01.1991
1715	1.25	20.0	6.5	WATER BASED	30.01.1991
1746	1.30	21.0	5.0	WATER BASED	04.02.1991
1746	1.30	20.0	5.0	WATER BASED	04.02.1991
1746	1.27	20.0	6.5	WATER BASED	30.01.1991
1746	1.29	22.0	5.5	WATER BASED	30.01.1991
1749	1.30	20.0	5.0	WATER BASED	04.02.1991
2060	1.55	28.0	7.5	WATER BASED	04.02.1991
2060	1.55	36.0	5.5	WATER BASED	05.02.1991
2060	1.55	24.0	7.0	WATER BASED	07.02.1991



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2060	1.55	22.0	7.0	WATER BASED	07.02.1991
2060	1.55	27.0	7.5	WATER BASED	11.02.1991
2060	1.55	26.0	7.0	WATER BASED	13.02.1991
2060	1.55			DUMMY	15.02.1991
2060	1.55			DUMMY	15.02.1991
2104	1.55	28.0	7.5	WATER BASED	04.02.1991
2120	1.55	36.0	5.5	WATER BASED	05.02.1991
2354	1.55	24.0	7.0	WATER BASED	07.02.1991
2542	1.55	22.0	7.0	WATER BASED	07.02.1991
2585	1.55	27.0	7.5	WATER BASED	11.02.1991
2760	1.55			DUMMY	15.02.1991
2760	1.55	26.0	7.0	WATER BASED	13.02.1991
2760	1.55			DUMMY	15.02.1991
2760	1.55	28.0	8.5	WATER BASED	19.02.1991
2963	1.55	26.0	7.0	WATER BASED	13.02.1991
3053	1.55			DUMMY	15.02.1991
3080	1.55			DUMMY	15.02.1991
3335	1.55	28.0	8.5	WATER BASED	19.02.1991
3365	1.50	18.0	4.0	WATER BASED	26.02.1991
3365	1.54	21.0	4.0	WATER BASED	28.02.1991
3365	1.54	23.0	3.5	WATER BASED	04.03.1991
3365	1.54	23.0	3.0	WATER BASED	04.03.1991
3365	1.54	22.0	3.0	WATER BASED	04.03.1991
3365	1.54	23.0	4.5	WATER BASED	28.02.1991
3365	1.54	22.0	3.0	WATER BASED	05.03.1991
3378	1.54	23.0	3.0	WATER BASED	04.03.1991
3378	1.50	18.0	5.5	WATER BASED	26.02.1991
3459	1.50	20.0	4.5	WATER BASED	26.02.1991
3483	1.50	18.0	4.0	WATER BASED	26.02.1991
3677	1.54	23.0	4.5	WATER BASED	28.02.1991
3697	1.54	21.0	4.0	WATER BASED	28.02.1991
3778	1.54	22.0	3.0	WATER BASED	04.03.1991
3778	1.54	23.0	3.5	WATER BASED	04.03.1991
3778	1.54	22.0	3.0	WATER BASED	05.03.1991