



Generell informasjon

Brønnbane navn	34/8-6
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	34/8-6
Seismisk lokalisering	NH9001 - 597 A SP. 291
Utvinningstillatelse	120
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	699-L
Boreinnretning	TRANSOCEAN 8
Boredager	44
Borestart	21.09.1991
Boreslutt	03.11.1991
Frigitt dato	03.11.1993
Publiseringsdato	27.02.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.5
Vanndybde ved midlere havflate [m]	376.0
Totalt målt dybde (MD) [m RKB]	3950.0
Totalt vertikalt dybde (TVD) [m RKB]	3948.0
Maks inklinasjon [°]	3.8
Temperatur ved bunn av brønnbanen [°C]	122
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	61° 26' 31.36" N
ØV grader	2° 28' 33.35" E
NS UTM [m]	6812300.64
ØV UTM [m]	472048.81
UTM sone	31
NPDID for brønnbanen	1842

**Brønnhistorie****General**

Well 34/8-6 was designed to drill North of the Visund Field on a northerly trending arm of the Tampen Spur. The main structural feature in block 34/8, the A-structure, is a NNE-SSW oriented elongated rotated fault block with pre-Cretaceous strata dipping towards the WNW. The block contains the Visund field, and is divided into two compartments, the A-south and the A-north, by a central fault. The well will test a stratigraphic trap on the northwest flank of the A-structure. From seismic anomalies possible shallow gas was expected at 510 m, 544 m, 556 m, and 877 m. Levels at 544 m, and 556 m are dipping sand layers, and could contain gas with overpressure. Scattered boulders could be expected between 424 and 540 m.

The primary objective for well 34/8-6 was to test the presence of a hydrocarbon-bearing sand within the Upper Jurassic Draupne Formation, and was drilled close to the thickest portion of the interpreted turbidite sand. Secondary objectives were to drill through the Brent Group to yield more information about development and thickness control down dip of the structural crest, and to tag top of the Dunlin Group to permit a good seismic tie-in, which can be carried up dip towards the Visund reservoir.

Operations and results

Wildcat well 34/8-6 was spudded with the semi-submersible installation Transocean 8 on 21 September 1991 and at a depth of 3950 m in the Early Jurassic Drake Formation. The well was drilled with spud mud down to 1235 m and with KCl mud from 1235 m to TD. Drilling went on without any significant problems. Shallow gas indications were encountered during drilling of the 8 1/2" pilot hole at 541 m and 550 m, but caused no problems, and no gas was observed at the wellhead during drilling operations. The gas indications did not correspond with any of the predicted sand layers.

There was no sandstone developed at the primary objective in the Draupne Formation. Crude oil appeared in the mud after penetrating a thin (1 m) limestone at 3180 m in the Kyrre Formation. Oil was seen in the mud down to 3500 m, but it was believed that it all came from the limestone at 3180 m. One core was cut in the Draupne Formation from 3572 m to 3584 m. Two runs of sidewall cores were attempted whereof 19 were recovered. The well was permanently abandoned on 3 November 1991 as a dry hole with hydrocarbon shows.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1240.00	3950.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3572.0	3584.6	[m]

Total kjerneprøve lengde [m]	12.6
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3572-3577m



3577-3582m



3582-3584m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1610.0	[m]	DC	RRI
1630.0	[m]	DC	RRI
1650.0	[m]	DC	RRI
1670.0	[m]	DC	RRI
1690.0	[m]	DC	RRI
1710.0	[m]	DC	RRI
1720.0	[m]	DC	RRI
1750.0	[m]	DC	RRI
1770.0	[m]	DC	RRI
1790.0	[m]	DC	RRI
1810.0	[m]	DC	RRI
1830.0	[m]	DC	RRI
1850.0	[m]	DC	RRI
1870.0	[m]	DC	RRI
1890.0	[m]	DC	RRI
1910.0	[m]	DC	RRI
1920.0	[m]	DC	RRI
1930.0	[m]	DC	RRI



1960.0 [m]	DC	RRI
1980.0 [m]	DC	RRI
2000.0 [m]	DC	RRI
2020.0 [m]	DC	RRI
2050.0 [m]	DC	RRI
2070.0 [m]	DC	RRI
2090.0 [m]	DC	RRI
2110.0 [m]	DC	RRI
2130.0 [m]	DC	RRI
2150.0 [m]	DC	RRI
2485.0 [m]	SWC	HYDRO
2667.0 [m]	SWC	HYDRO
3246.0 [m]	SWC	HYDRO
3284.5 [m]	SWC	HYDRO
3305.5 [m]	SWC	HYDRO
3325.0 [m]	SWC	HYDRO
3370.0 [m]	SWC	HYDRO
3401.0 [m]	SWC	HYDRO
3488.0 [m]	SWC	HYDRO
3572.0 [m]	C	HYDRO
3574.8 [m]	C	HYDRO
3576.0 [m]	C	HYDRO
3579.2 [m]	C	HYDRO
3582.0 [m]	C	HYDRO
3584.1 [m]	C	HYDRO
3632.0 [m]	SWC	HYDRO
3676.0 [m]	SWC	HYDRO

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
400	NORDLAND GP
1159	UTSIRA FM
1178	HORDALAND GP
1402	NO FORMAL NAME
1421	NO FORMAL NAME
1891	ROGALAND GP
1891	BALDER FM
1916	SELE FM



1925	LISTA FM
2127	VÅLE FM
2145	SHETLAND GP
2145	JORSALFARE FM
2340	KYRRE FM
3352	TRYGGVASON FM
3418	CROMER KNOLL GP
3418	SOLA FM
3440	ÅSGARD FM
3468	MIME FM
3477	VIKING GP
3477	DRAUPNE FM
3581	HEATHER FM
3686	BRENT GP
3686	TARBERT FM
3706	NESS FM
3724	ETIVE FM
3757	RANNOCH FM
3880	DUNLIN GP
3880	DRAKE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1842	pdf	0.51

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1842_1	pdf	0.92

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1842_01_WDSS_General_Information	pdf	0.71





1842 02 WDSS completion log	pdf	0.22
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Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1842 34 8 6 COMPLETION REPORT AND LOG	pdf	13.83

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST GR	2450	3930
CST GR	2515	3930
DIL LSS GR SP AMS	485	1202
DIL LSS GR SP AMS	1221	2410
DIL LSS GR SP AMS	2402	3948
FMS-4 NGT AMS	3100	3940
LDL CNL	2402	3948
MWD GR RES DIR	400	3898
RFT HP GR	3686	3825
VSP	1110	3880

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	485.0	36	486.5	0.00	LOT
INTERM.	18 5/8	1219.0	24	1235.0	0.00	LOT
INTERM.	13 3/8	2407.0	17 1/2	2423.0	1.62	LOT
OPEN HOLE		3950.0	12 1/4	3950.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
415	1.36	14.0	5.0	WATER BASED	04.11.1991
415	1.46	18.0	6.0	WATER BASED	04.11.1991





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 15:18

416	1.05	22.0	17.0	WATER BASED	23.09.1991
487	1.20	16.0	9.0	WATER BASED	23.09.1991
487	1.20	16.0	9.0	WATER BASED	24.09.1991
988	1.20	17.0	9.0	WATER BASED	25.09.1991
1089	1.50	19.0	6.0	WATER BASED	04.11.1991
1207	1.20	17.0	9.0	WATER BASED	27.09.1991
1235	1.20	16.0	9.0	WATER BASED	01.10.1991
1235	1.20	8.0	8.0	WATER BASED	01.10.1991
1235	1.20	17.0	9.0	WATER BASED	27.09.1991
1235	1.20	16.0	8.0	WATER BASED	01.10.1991
1674	1.20	12.0	9.0	WATER BASED	01.10.1991
2164	1.30	15.0	13.0	WATER BASED	02.10.1991
2231	1.30	14.0	13.0	WATER BASED	03.10.1991
2423	1.35	17.0	14.0	WATER BASED	04.10.1991
2423	1.35	18.0	12.0	WATER BASED	07.10.1991
2423	1.35	16.0	10.0	WATER BASED	07.10.1991
2423	1.35	16.0	9.0	WATER BASED	08.10.1991
2423	1.35	16.0	9.0	WATER BASED	07.10.1991
2439	1.35	14.0	9.0	WATER BASED	09.10.1991
2527	1.41	16.0	10.0	WATER BASED	10.10.1991
2780	1.40	17.0	10.0	WATER BASED	11.10.1991
3045	1.40	17.0	9.0	WATER BASED	15.10.1991
3166	1.40	17.0	9.0	WATER BASED	15.10.1991
3223	1.45	19.0	10.0	WATER BASED	15.10.1991
3278	1.45	19.0	10.0	WATER BASED	17.10.1991
3362	1.45	18.0	10.0	WATER BASED	17.10.1991
3365	1.45	19.0	10.0	WATER BASED	18.10.1991
3372	1.50	20.0	11.0	WATER BASED	18.10.1991
3372	1.49	17.0	9.0	WATER BASED	21.10.1991
3372	1.49	17.0	9.0	WATER BASED	21.10.1991
3422	1.51	19.0	10.0	WATER BASED	21.10.1991
3524	1.60	25.0	10.0	WATER BASED	22.10.1991
3576	1.60	25.0	11.0	WATER BASED	23.10.1991
3606	1.60	24.0	9.0	WATER BASED	24.10.1991
3690	1.61	25.0	9.0	WATER BASED	25.10.1991
3795	1.61	25.0	10.0	WATER BASED	29.10.1991
3950	1.60	23.0	8.0	WATER BASED	29.10.1991
3950	1.60	23.0	8.0	WATER BASED	29.10.1991
3950	1.60	25.0	10.0	WATER BASED	31.10.1991
3950	1.50	17.0	4.0	WATER BASED	01.11.1991



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]
1842 Formation pressure (Formasjonstrykk)	pdf	0.22

