



Generell informasjon

Brønnbane navn	2/8-12 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/8-12
Seismisk lokalisering	ANO 8701-38 & SP 143
Utvinningstillatelse	006
Boreoperatør	Amoco Norway Oil Company
Boretillatelse	595-L
Boreinnretning	DYVI STENA
Boredager	172
Borestart	07.11.1988
Boreslutt	27.04.1989
Frigitt dato	27.04.1991
Publiseringsdato	02.03.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	68.7
Totalt målt dybde (MD) [m RKB]	5300.0
Totalt vertikalt dybde (TVD) [m RKB]	5143.0
Temperatur ved bunn av brønnbanen [°C]	179
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	56° 23' 48.8" N
ØV grader	3° 26' 15.4" E
NS UTM [m]	6250478.40
ØV UTM [m]	527013.72
UTM sone	31
NPDID for brønnbanen	1351



Brønnhistorie

General

Well 2/8-12 S was drilled on the eastern flank of the Middle and Late Jurassic "Mode" salt feature in a location ca 12 km north of the Valhall Field. The well was planned deviated to avoid the Ekofisk-Emden gas pipeline. The objective of the well was to test the reservoir and possible hydrocarbon potential in the Late and Middle Jurassic sands in the deepest part of the Central Trough, determine the source rock potential and maturation as well as the Jurassic stratigraphy, and determine the Late Cretaceous/Tertiary stratigraphy of the chalk section.

Operations and results

Wildcat well 2/8-12 S was spudded with Stena Equipment semi- submersible installation Dyvi Stena on 7 November 1988 and drilled to TD at a total depth of 5300 m in the Triassic Group. The well was drilled with seawater down to 904 m, with seawater/PAC/PHPA from 904 m to 3360 m, with seawater/Low Lime fro 3360 m to 4024 m, and with freshwater/Hoestadrill mud from 4024 m to TD. Shallow gas was encountered in sands around 930 meters. The well was stabilised with heavy mud, and there was no damage or injuries.

A major normal fault cuts through the chalk section and caused major problems with lost circulation. Later biostratigraphic analyses showed that most of the Hod Formation was faulted out in the well. The lower Cretaceous section was thicker than expected due to a 241 m of unexpected Early Cretaceous limestone/dolomite (Tuxen Formation). The Late Jurassic shales of the Tyne Group was encountered at 4000 m and proved to be 1191 m thick, which also was thicker than expected. It consisted of the Mandal (42 m), Farsund (165 m) and Haugesund (985 m) Formations. The lithology of the group was generally silty claystone/shale with dolomite/limestone stringers. Organic geochemical analyses of cuttings proved very good source rock potential throughout the whole Group, with the better potential found in the Mandal and Farsund Formations. Top of the oil window is at around 3500 m. Some shows were observed in chalk of the Ekofisk and Tor Formations. One core was cut in the Triassic sands from 5226.5 m to 5244.5 m. The well was permanently abandoned 27 April 1989 as a dry hole with oil/gas shows.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
940.00	5300.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	5226.5	5243.6	[m]

Total kjerneprøve lengde [m]	17.1
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



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5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



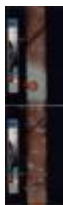
5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5226-5243m



5224-5243m



5226-5243m

Palynologiske preparater i Sjøkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
5234.0	[m]	DC	TNO
5243.0	[m]	DC	TNO
5267.0	[m]	DC	TNO

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
94	NORDLAND GP
1629	HORDALAND GP
2883	ROGALAND GP
2883	BALDER FM
2911	SELE FM
2942	LISTA FM
3021	MAUREEN FM
3046	SHETLAND GP



3046	EKOFISK FM
3118	TOR FM
3235	HIDRA FM
3257	CROMER KNOLL GP
3257	RØDBY FM
3271	SOLA FM
3759	TUXEN FM
4000	TYNE GP
4000	MANDAL FM
4042	FARSUND FM
4207	HAUGESUND FM
5191	VESTLAND GP
5191	BRYNE FM
5225	NO GROUP DEFINED
5225	SKAGERRAK FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1351	pdf	0.65

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1351_1	pdf	0.99

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1351_01_WDSS_General_Information	pdf	0.26
1351_02_WDSS_completion_log	pdf	0.24

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)





Dokument navn	Dokument format	Dokument størrelse [KB]
1351_01_2_8_12_S_Completion_report	pdf	20.59
1351_02_2_8_12_S_Completion_log	pdf	3.67
1351_2_8_12_COMPLETION_REPORT	.pdf	20.59
1351_2_8_12_S_COMPLETION_LOG	.pdf	3.67

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BGT GR	2283	3359
BHC GR CAL	3362	3789
CST GR	2878	3358
CST GR	3397	4020
CST GR	4035	5004
CST GR	4113	4980
CST GR	5010	5302
DIL BHC GR	4765	5004
DIL BHC GR AMS	4028	4765
DIL BHC GR SP	3789	4022
DIL BNC GR	5005	5304
DIL GR SP	3362	3789
FDC CNL GR	5005	5302
FMS GR	3000	3359
GCT GYRO SURVEY	100	4009
ISF BHC GR MSFL	2286	3357
LDL CNL GR CAL	2286	3358
LDL CNL GR CAL	3362	4023
MWD - GR RES DIR	180	2297
MWD - GR RES DIR	3268	5000
RFT GR	3067	3309
RFT GR	3984	3988
SHDT GR	4028	4600
SHDT GR	4028	4600
SHDT GR	4550	5004
SHDT GR	5005	5300
ULSEL	4024	5003
VSP	600	5296





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	178.0	36	185.0	0.00	LOT
INTERM.	20	904.0	26	935.0	1.81	LOT
INTERM.	13 3/8	2286.0	18 1/2	2298.0	1.96	LOT
INTERM.	11 3/4	3360.0	12 1/4	3360.0	1.98	LOT
INTERM.	9 5/8	4024.0	10 5/8	4025.0	2.21	LOT
OPEN HOLE		5300.0	8 1/2	5300.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
110	1.03			WATER BASED	26.04.1989
110	1.03			WATER BASED	27.04.1989
110	1.03			WATER BASED	27.04.1989
185	1.06	18.0	35.9	WATER BASED	11.11.1988
185	1.06	13.0	25.4	WATER BASED	11.11.1988
339	1.05	14.0	33.1	WATER BASED	15.11.1988
835	1.06	18.0	45.5	WATER BASED	15.11.1988
935	1.38	10.0	14.4	WATER BASED	15.11.1988
935	1.38	18.0	8.1	WATER BASED	16.11.1988
935	1.38	12.0	6.7	WATER BASED	17.11.1988
935	1.38	17.0	6.7	WATER BASED	17.11.1988
938	1.38	18.0	6.7	WATER BASED	21.11.1988
1155	1.38	20.0	7.7	WATER BASED	22.11.1988
1373	1.50	30.0	8.6	WATER BASED	22.11.1988
1804	1.56	30.0	7.2	WATER BASED	22.11.1988
2064	1.60	31.0	10.5	WATER BASED	22.11.1988
2296	1.61	25.0	7.2	WATER BASED	29.11.1988
2298	1.62	26.0	9.6	WATER BASED	29.11.1988
2298	1.62	22.0	9.1	WATER BASED	29.11.1988
2298	1.61	30.0	8.6	WATER BASED	29.11.1988
2681	1.62	36.0	9.1	WATER BASED	29.11.1988
2748	1.62	21.0	7.7	WATER BASED	29.11.1988
2756	1.62	20.0	7.7	WATER BASED	01.12.1988
2943	1.62	27.0	8.1	WATER BASED	01.12.1988



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 22:46

2992	1.62	35.0	9.6	WATER BASED	01.12.1988
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3191	1.62	28.0	7.2	WATER BASED	06.12.1988
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Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 22:46

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Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 22:46

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4347	1.98	35.0	4.8	WATER BASED	07.03.1989
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5000	2.09	30.0	2.9	WATER BASED	05.04.1989
5000	2.09	23.0	2.9	WATER BASED	05.04.1989
5000	2.09	30.0	3.8	WATER BASED	04.04.1989
5000	2.09	25.0	3.4	WATER BASED	07.04.1989



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5030	2.09	26.0	1.9	WATER BASED	13.04.1989
5095	2.09	26.0	2.4	WATER BASED	14.04.1989
5226	2.09	26.0	3.4	WATER BASED	17.04.1989
5226	2.09	26.0	3.4	WATER BASED	17.04.1989
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5228	2.09	26.0	2.4	WATER BASED	17.04.1989
5244	2.09	24.0	1.9	WATER BASED	17.04.1989
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5300	2.09	22.0	0.9	WATER BASED	20.04.1989
5300	2.09	21.0	1.4	WATER BASED	21.04.1989
5300	2.09	24.0	1.4	WATER BASED	26.04.1989
5300	2.09	26.0	1.9	WATER BASED	26.04.1989
5300	2.09	25.0	1.4	WATER BASED	26.04.1989

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]
1351 Formation pressure (Formasjonstrykk)	pdf	0.22

