



Generell informasjon

Brønnbane navn	9/12-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	9/12-1
Seismisk lokalisering	LINE 310 SP. 1692.
Utvinningstillatelse	012
Boreoperatør	A/S Norske Shell
Boretillatelse	24-L
Boreinnretning	SEDNETH I
Boredager	40
Borestart	28.03.1969
Boreslutt	06.05.1969
Frigitt dato	06.05.1971
Publiseringsdato	25.04.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	61.0
Totalt målt dybde (MD) [m RKB]	2698.0
Maks inklinasjon [°]	3
Temperatur ved bunn av brønnbanen [°C]	73
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SMITH BANK FM
Geodetisk datum	ED50
NS grader	57° 11' 40" N
ØV grader	4° 57' 21" E
NS UTM [m]	6340869.09
ØV UTM [m]	618188.74
UTM sone	31
NPDID for brønnbanen	163



Brønnhistorie

General

Well 9/12-1 is located in the North Sea, in the Danish-Norwegian Basin west of the Krabbe Fault Zone and Lista Fault Blocks. It was drilled near the crest of a salt induced anticlinal feature. The well is very similar to the 9/8-1 well, but the various geological units are somewhat thinner in 9/8-1. The objective of the well was to test the Tertiary and Mesozoic sequences.

Operations and results

Wildcat well 9/12-1 was spudded with the semi-submersible installation Sedneth I on 28 March 1969 and drilled to TD at 2698 m in the Triassic Smith Bank Formation. The 36" hole was drilled to 133 m and the 30" casing was run to 131 m. An 18 1/2" hole was drilled to 403 m, and two joints of 20" casing were hung from the 30" housing before the 13 3/8" casing was set at 395 m. Seawater was used as drilling fluid in the 36" and 18" holes and the returns were to the sea floor. After the setting of the 13 3/8" casing the mud system was converted to a Spersene/ XP-20 seawater mud, which was used to TD.

The well encountered porous Danian/Late Cretaceous limestones as well as Triassic and Jurassic sandstones, but no hydrocarbons. The Triassic was represented by about 600 m of continental red beds. There was a major unconformity to the overlying 65 m thick Middle Jurassic sandstones, which represent a marginal marine, deltaic environment. The Late Jurassic consisted of 165 m of mainly dark shales. During the Early Cretaceous in excess of 300 m of shales were deposited in the area while the Late Cretaceous is represented by 375 m of carbonates. From the Tertiary on the sedimentation turned to a clastic regime. Deposition of fine-grained sediments prevailed although this was interrupted by the deposition of more sandy units. The Tertiary is made up of about 1200 m of sediments in this well. Late Jurassic source rocks were confirmed by the well, but were found immature. The absence of hydrocarbons was by the operator firmly attributed to the immaturity of source rocks. No conventional core was cut and no fluid sample taken. Sixty-eight sidewall cores were recovered.

The well was permanently abandoned on 6 May 1969 as a dry hole.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
408.00	2698.00

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sokkeldirektoratet



Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1340.0	[ft]	DC	RRI
1400.0	[ft]	DC	RRI
1408.5	[ft]	DC	OD
1420.6	[ft]	DC	OD
1432.8	[ft]	DC	OD
1445.0	[ft]	DC	OD
1457.2	[ft]	DC	OD
1460.0	[ft]	DC	RRI
1469.4	[ft]	DC	OD
1481.6	[ft]	DC	OD
1493.8	[ft]	DC	OD
1500.0	[ft]	DC	RRI
1506.0	[ft]	DC	OD
1518.2	[ft]	DC	OD
1530.4	[ft]	DC	OD
1540.0	[ft]	DC	RRI
1542.5	[ft]	DC	OD
1554.7	[ft]	DC	OD
1566.9	[ft]	DC	OD
1579.1	[ft]	DC	OD
1591.3	[ft]	DC	OD
1603.5	[ft]	DC	OD
1640.0	[ft]	DC	RRI
1700.0	[ft]	DC	RRI
1760.0	[ft]	DC	RRI
1820.0	[ft]	DC	RRI
1900.0	[ft]	DC	RRI
2040.0	[ft]	DC	RRI
2140.0	[ft]	DC	RRI
2240.0	[ft]	DC	RRI
2380.0	[ft]	DC	RRI
2460.0	[ft]	DC	RRI
2540.0	[ft]	DC	RRI
2620.0	[ft]	DC	RRI
2700.0	[ft]	DC	RRI
2820.0	[ft]	DC	RRI
2900.0	[ft]	DC	RRI
3040.0	[ft]	DC	RRI



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
87	NORDLAND GP
400	HORDALAND GP
987	ROGALAND GP
987	BALDER FM
1011	FISKEBANK FM
1085	LISTA FM
1138	VÅLE FM
1167	SHETLAND GP
1167	EKOFISK FM
1222	TOR FM
1445	HOD FM
1525	BLODØKS FM
1530	HIDRA FM
1550	CROMER KNOLL GP
1550	RØDBY FM
1609	ÅSGARD FM
1615	TUXEN FM
1645	ÅSGARD FM
1905	BOKNFJORD GP
1905	FLEKKEFJORD FM
1948	SAUDA FM
2005	BØRGLUM UNIT
2038	VESTLAND GP
2038	SANDNES FM
2050	BRYNE FM
2107	NO GROUP DEFINED
2107	SKAGERRAK FM
2417	SMITH BANK FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
163	pdf	0.44





Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
163 1	pdf	0.26
163 2	pdf	0.96
163 3	pdf	0.66
163 4	pdf	1.16

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
163 01 WDSS General Information	pdf	0.20

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
163 01 Resume of exploration well and Completion log	pdf	11.07

Dokumenter - Sjøkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
163 01 NPD Paper No.27 Lithology Well 9 12 1	pdf	11.49
163 02 NPD Paper No.27 Interpreted Lithology log Well 9 12 1	pdf	40.39
163 03 NPD Paper No.31 Correlation chart 4 Well 9 12 1	pdf	0.60
163 04 NPD Paper No.31 Correlation chart 4 II Well 9 12 1	pdf	0.47

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL	85	1209





CDM	1209	2698
DIR	1209	2698
FDC	395	2696
FDC	395	2696
GR	91	395
IES	395	2697
LL-7	395	2698
MLL-C	395	2698
SGR-C	395	2694
SNP	1209	2698
SRC	85	2697
TS	30	1173

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	130.0	36	132.0	0.00	LOT
SURF.COND.	13 3/8	395.0	18 1/2	402.0	0.00	LOT
INTERM.	9 5/8	1210.0	12 1/2	1218.0	0.00	LOT
OPEN HOLE		2698.0	8 1/2	2698.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
122	1.02			seawater	
1144	1.43	48.0		waterbased	
1248	1.35	47.0		waterbased	
1860	1.36	48.0		waterbased	
2121	1.36	45.0		waterbased	
2371	1.36	57.0		waterbased	
2697	1.36	48.0		waterbased	