



Generell informasjon

Brønnbane navn	8/3-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	8/3-2
Seismisk lokalisering	ST 8118 - 238 SP 665
Utvinningstillatelse	071
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	345-L
Boreinnretning	WEST VANGUARD
Boredager	62
Borestart	04.10.1982
Boreslutt	04.12.1982
Frigitt dato	04.12.1984
Publiseringsdato	22.05.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	78.0
Totalt målt dybde (MD) [m RKB]	2657.0
Totalt vertikalt dybde (TVD) [m RKB]	2657.0
Maks inklinasjon [°]	2.3
Temperatur ved bunn av brønnbanen [°C]	77
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	57° 54' 6.61" N
ØV grader	3° 47' 45.41" E
NS UTM [m]	6418204.63
ØV UTM [m]	547178.17
UTM sone	31
NPDID for brønnbanen	89



Brønnhistorie

General

Well 8/3-2 is located in the Egersund Basin in the North Sea. The primary objective of 8/3-2 was to test possible hydrocarbon accumulations in sandstones of Middle Jurassic and Triassic sandstones.

Operations and results

Wildcat well 8/3-2 was spudded with the Semi-submersible installation West Vanguard on 4 October 1982 and drilled to TD at 2657 m in the Triassic Skagerrak Formation. This was the first well drilled by West Vanguard. Drilling of the 36" and 26" sections were without incident, however the BOP stack required extensive repair and eight days were spent waiting on parts and repairs. Gumbo caused some delay in the 17 1/2" section. The well was drilled with spud mud down to 501 m, with polymer/gypsum mud from 501 m to 1150 m, and with gel/lignosulphonate mud from 1150 m to TD. The well encountered Middle Jurassic (Bryne Formation) sandstones with good reservoir properties from 2375 m to 2417 m.

This was thinner than expected. A thin sandstone sequence was encountered from 2465 m to 2474 m in the underlying Skagerrak Formation. Some shows were recorded in shales from the interval 2088 m to 2355. The lower part of the Tau Formation is a "hot shale" characterized by very high gamma ray readings. No shows were seen in the porous sections and electrical logs and RFT pressure gradients confirmed water wet reservoirs. Organic geochemical analyses proved excellent source rock potential in the Late Jurassic shales, with TOC in the range 2 % to 7 % and hydrogen index in the range 250 to 600 mg HC/g TOC. Best potential is seen in the Tau Formation. The well is immature for oil and gas generation with %Ro = 0.45 - 0.5 towards TD. The analyses indicate shows of wet gas in the Bryne Formation sandstones, but otherwise confirm the shows recorded during drilling. Two conventional cores were taken in the interval 2384 m to 2397.3 m in the Bryne Formation. No fluid samples were taken.

The well was permanently abandoned on 4 December 1982 as a dry hole.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
168.00	2655.00

Borekaks tilgjengelig for prøvetaking?	NO
--	----

Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2384.0	2388.5	[m]
2	2389.0	2397.3	[m]

Total kjerneprøve lengde [m]	12.8
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2384-2388m



2389-2393m

Palynologiske preparater i Sjøkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1609.0	[m]	SWC	GRHRT
1624.0	[m]	SWC	GRHRT
1758.0	[m]	SWC	GRHRT
1792.2	[m]	SWC	GRHRT
1819.0	[m]	SWC	GRHRT
1844.3	[m]	SWC	GRHRT
1898.5	[m]	SWC	GRHRT
1931.6	[m]	SWC	GRHRT
2026.0	[m]	SWC	GRHRT
2091.8	[m]	SWC	GRHRT
2102.0	[m]	SWC	GRHRT
2119.0	[m]	SWC	GRHRT
2128.0	[m]	SWC	GRHRT
2145.5	[m]	SWC	GRHRT
2155.0	[m]	SWC	GRHRT
2199.5	[m]	SWC	GRHRT
2245.0	[m]	SWC	GRHRT
2277.0	[m]	SWC	GRHRT



2288.2	[m]	SWC	GRHRT
2359.0	[m]	SWC	GRHRT
2373.5	[m]	SWC	GRHRT

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
100	NORDLAND GP
486	HORDALAND GP
1017	ROGALAND GP
1017	BALDER FM
1039	SELE FM
1050	LISTA FM
1115	SHETLAND GP
1115	EKOFISK FM
1152	TOR FM
1604	CROMER KNOLL GP
1604	SOLA FM
1650	ÅSGARD FM
2025	BOKNEFJORD GP
2025	FLEKKEFJORD FM
2075	SAUDA FM
2200	TAU FM
2290	EGERSUND FM
2375	VESTLAND GP
2375	BRYNE FM
2417	NO GROUP DEFINED
2417	SKAGERRAK FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
89	pdf	0.50

Geokjemisk informasjon





Dokument navn	Dokument format	Dokument størrelse [KB]
89_1	pdf	0.47
89_2	pdf	3.98

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
89_01 WDSS General Information	pdf	0.15
89_02 WDSS completion log	pdf	0.20

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
89_01 Completion Report and Completion I og	pdf	26.85

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	400	1133
CST GR	593	1143
CST GR	1593	2643
HDT CYBERDIP	1550	2654
ISF BHC GR	163	2656
LDL CNL GR	1135	2657
LDL GR	163	1141
NGS GR	1550	2647
RFT GR	2376	2640
VELOCITY	289	2630

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	165.0	36	165.0	0.00	LOT
SURF.COND.	20	485.0	26	501.0	1.48	LOT





INTERM.	13 3/8	1135.0	17 1/2	1151.0	1.62	LOT
OPEN HOLE		2657.0	12 1/4	2657.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
185	1.10			waterbased	
450	1.12			waterbased	
660	1.10			waterbased	
810	1.14			waterbased	
1335	1.17			waterbased	
1675	1.20			waterbased	
2255	1.36			waterbased	
2590	1.32			waterbased	
2640	1.33			waterbased	

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]
89 Formation pressure (Formasjonstrykk)	pdf	0.21

