Generell informasjon

Brønnbane navn	7120/10-1
NPDID for brønnbanen	274
Faktakart	lenke
Område	BARENTS SEA
Brønn navn	7120/10-1
Seismisk lokalisering	E 841 - 30 SP. 630
Geodetisk datum	ED50
NS grader	71° 3' 6.25'' N
ØV grader	20° 16' 29.8'' E
NS UTM [m]	7883536.50
ØV UTM [m]	473722.27
UTM sone	34
Boret i utvinningstillatelse	098
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	429-L
Boreinnretning	ZAPATA UGLAND
Bore dager	30
Borestart	10.08.1984
Boreslutt	08.09.1984
Frigitt dato	08.09.1986
Publiseringsdato	11.02.2005
Type	EXPLORATION
Opprinnelig formål	WILDCAT
Formål	WILDCAT
Status	P&A
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndyp ved midlere havflate [m]	183.0
Totalt målt dyb(MD)[m RKB]	2000.0
Maks inklinasjon [°]	8.5
Temperatur ved bunn av brønnbanen [°C]	71
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	FRUHOLMEN FM

Brønnhistorie

General

Wildcat well 7120/10-1 is located in the Troms I area in the southwestern part of the Hammerfest Basin, close to the Troms-Finnmark Fault Complex. The main objective of the well was to test the Middle to Early Jurassic sands of the B-prospect located in the south-eastern part of the block

Operations and results

The well was spudded with the semi-submersible installation Zapata Ugland on 10 September 1984 and drilled to TD at 2000 m in the Late Triassic. While drilling the 36" hole a boulder zone was encountered at 210 m to 248 m, which made it difficult to set the 30" casing. When pressure testing the seal assembly before drilling out of the 9 5/8" casing shoe, a leak was found in the well head connector. The leakage was repaired before drilling of the 8 1/2" hole section. The well was drilled using gel/seawater down to 534 m, with bentonite/CMC from 534 m to 1302 m, and with gel/lignosulphonate/seawater from 1302 m to TD.

No hydrocarbons were encountered in the well. No potential reservoir sands were present above the Middle Jurassic. In the Middle Jurassic to Top Triassic interval a net 200 m of good quality potential reservoir sandstone was penetrated.

One core was cut in the Middle Jurassic Stø Formation from 1570 m to 1584 m. Twenty-two RFT pressure readings were obtained from 1570 m to 1589 m, showing a saltwater pressure gradient. A fluid sample was taken at 1573.9 m. The sample contained mud filtrate without any gas or any smell or sign of hydrocarbons.

The well was permanently abandoned on 8 September 1984 as a dry hole.

Testing

No drill stem test was performed

Borekaks i OD

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
250.00	1998.00

Borekaksprøve tilgjengelig	YES

Borekjerner i OD

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1570.0	1583.5	[m]

Total kjerneprøve lengde [m]	13.5
Kjerneprøve tilgjengelig	YES

Kjernebilder

1570-1576m

1576-1582m

1582-1583m

Palynolgiske preparater i OD

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1331.0	[m]	SWC	RRI
1360.0	[m]	SWC	RRI
1398.0	[m]	SWC	RRI
1405.0	[m]	SWC	RRI
1442.0	[m]	SWC	RRI
1537.0	[m]	SWC	RRI
1615.0	[m]	SWC	RRI
1893.0	[m]	SWC	RRI
1926.0	[m]	SWC	RRI
1940.0	[m]	SWC	RRI

Litostratigrafi

Topp dyp [m]	Litostrat. enhet
210	NORDLAND GP
444	SOTBAKKEN GP
444	TORSK FM
531	NYGRUNNEN GP
531	KVITING FM
694	ADVENTDALEN GP
694	KOLMULE FM
1210	KOLJE FM
1353	KNURR FM
1394	HEKKINGEN FM
1533	FUGLEN FM
1568	KAPP TOSCANA GP
1568	STØ FM
1655	NORDMELA FM
1796	TUBÅEN FM
1914	FRUHOLMEN FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [MB]
274	pdf	0.36

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [MB]
274_1	pdf	0.63

Dokumenter - eldre OD WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [MB]
274_02_WDSS_completion_log	pdf	0.21

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [MB]
274_01_Completion_Report	pdf	9.65
274_02_Geological_Completion_Report	pdf	17.86
274_03_Completion_log	pdf	1.47

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST	1306	1995
ISF SLS GR CAL	210	1999
LDL CNL GR CAL	522	2000
RFT GR	1570	1989
SHDT	1302	2000
TEMP	210	1200
VELOCITY	900	2000

Foringinsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	Slam egenvekt [g/cm3]
CONDUCTOR	30	244.0	36	257.0	0.00
INTERM.	13 3/8	521.0	17 1/2	610.0	0.00
INTERM.	9 5/8	1300.0	12 1/4	1317.0	1.88
OPEN HOLE		2000.0	8 1/2	2000.0	0.00

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
216	1.00			WATER BASED	15.08.1984
237	1.00			WATER BASED	15.08.1984
248	1.00			WATER BASED	15.08.1984
253	1.12			WATER BASED	15.08.1984
253	1.06	15.0	23.9	WATER BASED	15.08.1984
253	1.06	15.0	23.9	WATER BASED	15.08.1984
440	1.09	9.0	5.3	WATER BASED	16.08.1984
535	1.10	10.0	4.8	WATER BASED	21.08.1984
535	1.10	10.0	4.8	WATER BASED	21.08.1984
535	1.10	10.0	4.8	WATER BASED	17.08.1984
586	1.15	11.0	12.9	WATER BASED	21.08.1984
900	1.18	16.0	7.7	WATER BASED	21.08.1984
1196	1.22	13.0	9.6	WATER BASED	21.08.1984
1317	1.22	13.0	12.9	WATER BASED	22.08.1984
1317	1.26	13.0	12.5	WATER BASED	23.08.1984
1317	1.26	13.0	12.5	WATER BASED	23.08.1984
1350	1.33	12.0	6.2	WATER BASED	06.09.1984
1371	1.26	11.0	5.3	WATER BASED	28.08.1984
1501	1.26	14.0	8.6	WATER BASED	29.08.1984
1570	1.30	12.0	6.7	WATER BASED	30.08.1984
1584	1.28	11.0	5.3	WATER BASED	31.08.1984
1611	1.34	14.0	8.6	WATER BASED	03.09.1984
1816	1.34	13.0	9.6	WATER BASED	03.09.1984
1920	1.36	14.0	7.7	WATER BASED	03.09.1984
1961	1.34	14.0	8.1	WATER BASED	04.09.1984