



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 8.5.2024 - 08:21

Brønnbane navn	7131/4-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7131/4-1
Seismisk lokalisering	ST9802 inline 1792 & x-line 6001
Utvinningstillatelse	233
Boreoperatør	Statoil ASA (old)
Boretillatelse	1094-L
Boreinnretning	EIRIK RAUDE
Boredager	42
Borestart	02.04.2005
Boreslutt	13.05.2005
Frigitt dato	13.05.2007
Publiseringsdato	17.09.2007
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	331.0
Totalt målt dybde (MD) [m RKB]	1295.0
Totalt vertikalt dybde (TVD) [m RKB]	1295.0
Maks inklinasjon [°]	0.5
Temperatur ved bunn av brønnbanen [°C]	45
Eldste penetrerte alder	MIDDLE TRIASSIC
Eldste penetrerte formasjon	KOBBE FM
Geodetisk datum	ED50
NS grader	71° 41' 40.98" N
ØV grader	31° 0' 40.96" E
NS UTM [m]	7956245.69
ØV UTM [m]	430296.12
UTM sone	36
NPDID for brønnbanen	5093



Brønnhistorie

General

Wildcat well is 7131/4-1 is located in the Finmark East area in the Barents Sea. It was completed as the most easterly positioned well in Norwegian waters. The objective was to prove hydrocarbons in the Fruholmen Formation of Norian age (the Garja 1 and Garja 2 sandstones) and in the Snadd Formation of Carnian age (the Guovca sandstone).

Operations and results

Well 7131/4-1 was spudded with the semi-submersible installation Eirik Raude on 2 April 2005 and drilled to TD at 1295 m in the Middle Triassic Kobbe Formation. Drilling went without significant incidents down to 811 m where the 13 3/8" casing was set. Then, on 12 April while moving the BOP to below rotary, a hydraulic supply line to the BOP trolley burst and approximately 1.6 m³ hydraulic oil was accidentally discharged to sea. This caused Statoil to

suspend the operation for a total of 432 hrs. The incident was investigated by the Norwegian authorities (Ptil and SFT) in addition to Statoil internally. After performing investigations, necessary authorization was obtained and the operation resumed. Further operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 806 m, and with Glydril (99% KCl/Pac/glycol) mud from 806 m to TD. No shallow gas was observed.

Well 7131/4-1 penetrated rocks of Quaternary, Cretaceous, Jurassic, and Triassic age. No Tertiary sediments were present. The observed stratigraphy was close to the prognosis, except for the presence of Stø Formation sandstone, which was not expected to be present at the location. No hydrocarbons were proven in well 7131/4-1, but shows in the form of cut and residual fluorescence was observed in core no.1 in argillaceous sandstone/siltstone at: 919-920 m, 925 m, 929-930 m, and 937-938 m.

One core was cut in the Garja 1 sandstone and one core was cut in the Guovca sandstone, as planned. MDT water samples were collected at 880.5 m, 1083 m, and at 1086.5 m in the Stø and Guovca sandstones. The samples were reported to be of very good quality

The well was permanently abandoned on 13 May 2005 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
814.00	1297.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	915.0	944.1	[m]
2	1070.0	1117.9	[m]

Total kjerneprøve lengde [m]	77.0
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
430	ADVENTDALEN GP
430	KOLMULE FM
824	KNURR FM
839	HEKKINGEN FM
878	KAPP TOSCANA GP
878	STØ FM
883	FRUHOLMEN FM
960	SNADD FM
1172	SASSENDALEN GP
1172	KOBBE FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
5093_01_7131_4_1_gch_transfer_1	txt	0.00
5093_02_7131_4_1_gch_results_1	txt	0.24
5093_1	pdf	0.12
5093_2	pdf	0.67
5093_3	pdf	8.34

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST	818	1268
MDT PRESS	880	1209
MDT SAMPL	880	1083





MWD LWD - DCP APX MPR	413	811
MWD LWD - ONE TRAK	811	1070
MWD LWD - ONE TRAK APX	1070	1295
PEX DSI GPIT	799	1293
VSP	380	1280

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	403.0	36	407.0	0.00	LOT
SURF.COND.	13 3/8	799.0	17 1/2	806.0	1.67	LOT
OPEN HOLE		1295.0	8 1/2	1295.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
406	1.05			SW / BENTONITE 1	
811	1.05			SW / BENTONITE 1	
1209	1.33	18.0		GLYDRIL 74	
1295	1.33	18.0		GLYDRIL 74	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
1112.15	[m]
1108.50	[m]
1092.75	[m]
1086.75	[m]
1079.75	[m]
1077.50	[m]
1075.53	[m]
1071.25	[m]
932.50	[m]
929.75	[m]
924.15	[m]
920.38	[m]
915.40	[m]



917.75	[m]
937.20	[m]

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]
5093 Formation pressure (Formasjonstrykk)	pdf	0.18

