



Generell informasjon

Brønnbane navn	7119/9-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7119/9-1
Seismisk lokalisering	EL 8301 - 559 OG EL 8401 - 209
Utvinningstillatelse	096
Boreoperatør	Elf Aquitaine Norge A/S
Boretillatelse	421-L
Boreinnretning	BYFORD DOLPHIN
Boredager	90
Borestart	28.06.1984
Boreslutt	25.09.1984
Frigitt dato	25.09.1986
Publiseringsdato	04.01.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	201.0
Totalt målt dybde (MD) [m RKB]	3248.0
Temperatur ved bunn av brønnbanen [°C]	112
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	FRUHOLMEN FM
Geodetisk datum	ED50
NS grader	71° 24' 53.19" N
ØV grader	19° 49' 43.26" E
NS UTM [m]	7924275.60
ØV UTM [m]	458333.92
UTM sone	34
NPDID for brønnbanen	132



Brønnhistorie

**General**

Exploration well 7119/9-1 is located on the Ringvassøy ? Loppa Fault Complex west of the Snøhvit Field area. The well was designed to test a narrow horst, elongated in a NE-SW direction. The horst brings the main prospect, the Middle to Lower Jurassic Sandstones up to a depth of about 2700 m, in a position surrounded with Cretaceous Shale. The well is located close to the top of the horst. This target was found gas bearing in the two nearest wells: 7119/12-3 to the south, located in the same structural trend, and 7120/7-1, located higher up toward the Hammerfest Basin to the south-east.

Operations and results

The well was spudded with the semi-submersible installation Byford Dolphin on 28 June 1984 and drilled to TD at 3248 m in Late Triassic rocks. The well took a kick at 2744 m where a pit gain of 2 m³ was observed. Some technical problems occurred on the rig during a wiper trip before final logging of the 8 1/2" hole. During logging of the same sequence the RFT tool got stuck twice but was recovered in both cases. The well was drilled using water-based mud.

The well drilled through mainly claystone and shale formations down to top Jurassic at 2702 m. The lower Cretaceous Kolmule Formation was found silty and sandy between 2400 m and 2450 m. Top Jurassic Hekkingen Formation was penetrated at 2702 m and contained two good reservoir sections, a Middle ? Early reservoir and a deeper Pliensbachian reservoir. Above the upper reservoir zone 46 m of Late Jurassic shale was drilled. This sequence consisted of an upper Volgian ? Kimmeridgian sequence and a lower Oxfordian-Callovian shale sequence separated by an Oxfordian unconformity near 2719 m (more accurate depth cannot be proven due to logging problems in this section of the well). The upper Jurassic sandstone reservoir (Stø Formation) was penetrated at 2748 meters. The reservoir was well developed with a 120 meter gross thickness. The two cores cut near the top of the reservoir between 2749 m and 2783 m provided good petro-physical characteristics in the upper part (average porosity of 15% in the 15 upper meters), dropping rapidly in the second part of core 2 (average porosity about 8%). The reservoirs were found water bearing with a very high salinity and with high formation pressure (a 1.49 - equivalent mud weight -formation pressure was encountered at the top of the reservoir). The lower Pliensbachian reservoir (Tubåen Formation) was encountered at 3027 m with 158 m gross thickness. This zone was also water bearing and high pressured.

The kick at 2744 m, just above the upper reservoir zone, was accompanied by up to 14% background gas (C1 to C4) when circulating out. Fluorescence cuts, very pale to whitish, were recorded on the cores from the upper reservoir zone as well as on the sandstone cuttings between 3030 m and 3125 m. In addition residual oil gave direct weak, light brown, fluorescences on cuttings from the lower reservoir zone, mainly light brown and greenish between 3030 m and 3055 m; weaker spots were seen between 3055 m and 3125 m.

Two conventional cores were cut from 2745 m to 2779 m loggers depth (2749 m to 2783 m drillers depth). Three RFT samplings were attempted. A sample at 2748.5 m recovered 3.2 litres of clear formation water from the 1-gallon chamber. The water had a density of 1.136 g/ml, a pH of 5.62, and a salinity of 213.12 g/l. Two other samples at 3096 m and 3034 m were attempted in zones that provided hydrocarbon shows while drilling. Only one of these (3096 m) recovered fluid: mud and filtrate.

The well was permanently abandoned on 25 September as a dry hole.

Testing

No drill stem test was performed



Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
299.50	3243.00

Borekaks tilgjengelig for prøvetaking?	YES
--	-----

Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2745.0	2764.9	[m]
2	2763.0	2779.3	[m]

Total kjerneprøve lengde [m]	36.2
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2745-2751m



2751-2757m



2757-2762m



2763-2769m



2769-2775m



2775-2779m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
720.0	[m]	DC	OD
730.0	[m]	DC	OD
750.0	[m]	DC	OD



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 00:05

760.0 [m]	DC	OD
780.0 [m]	DC	OD
790.0 [m]	DC	OD
845.0 [m]	DC	OD
850.0 [m]	DC	OD
860.0 [m]	DC	OD
890.0 [m]	DC	OD
900.0 [m]	DC	OD
920.0 [m]	DC	OD
930.0 [m]	DC	OD
950.0 [m]	DC	OD
960.0 [m]	DC	OD
980.0 [m]	DC	OD
1000.0 [m]	DC	OD
1030.0 [m]	DC	OD
1060.0 [m]	DC	OD
1070.0 [m]	DC	OD
1090.0 [m]	DC	OD
1100.0 [m]	DC	OD
1270.0 [m]	DC	OD
1310.0 [m]	DC	OD
1330.0 [m]	DC	OD
1350.0 [m]	DC	OD
1370.0 [m]	DC	OD
1380.0 [m]	DC	OD
1390.0 [m]	DC	OD
1400.0 [m]	DC	OD
1410.0 [m]	DC	OD
1420.0 [m]	DC	OD
1430.0 [m]	DC	OD
1440.0 [m]	DC	OD
1450.0 [m]	DC	OD
1460.0 [m]	DC	OD
1470.0 [m]	DC	OD
1480.0 [m]	DC	OD
1490.0 [m]	DC	OD
1500.0 [m]	DC	OD
1510.0 [m]	DC	OD
1570.0 [m]	DC	OD
1600.0 [m]	DC	OD



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 00:05

1620.0	[m]	DC	OD
1660.0	[m]	DC	OD
1700.0	[m]	DC	OD
1720.0	[m]	DC	OD
1740.0	[m]	DC	OD
1760.0	[m]	DC	OD
1765.0	[m]	DC	OD
1780.0	[m]	DC	OD
1800.0	[m]	DC	OD
1820.0	[m]	DC	OD
1840.0	[m]	DC	OD
1854.0	[m]	SWC	OD
1860.0	[m]	DC	OD
1880.0	[m]	DC	OD
1900.0	[m]	DC	OD
1920.0	[m]	DC	OD
1940.0	[m]	DC	OD
1960.0	[m]	DC	OD
1980.0	[m]	DC	OD
2000.0	[m]	DC	OD
2020.0	[m]	DC	OD
2040.0	[m]	DC	OD
2055.0	[m]	DC	OD
2060.0	[m]	DC	OD
2075.0	[m]	DC	OD
2080.0	[m]	DC	OD
2095.0	[m]	DC	OD
2100.0	[m]	DC	OD
2120.0	[m]	DC	OD
2130.0	[m]	DC	OD
2150.0	[m]	DC	OD
2169.0	[m]	SWC	OD
2170.0	[m]	DC	OD
2195.0	[m]	DC	OD
2213.0	[m]	DC	OD
2230.0	[m]	DC	OD
2250.0	[m]	DC	OD
2250.0	[m]	DC	OD
2270.0	[m]	DC	OD
2290.0	[m]	DC	OD



2310.0	[m]	DC	OD
2330.0	[m]	DC	OD
2335.0	[m]	SWC	OD
2350.0	[m]	DC	OD
2370.0	[m]	DC	OD
2390.0	[m]	DC	OD
2410.0	[m]	DC	OD
2430.0	[m]	DC	OD
2450.0	[m]	DC	OD
2470.0	[m]	DC	OD
2490.0	[m]	DC	OD
2510.0	[m]	DC	OD
2530.0	[m]	DC	OD
2550.0	[m]	DC	OD
2570.0	[m]	DC	OD
2590.0	[m]	DC	OD
2610.0	[m]	DC	OD
2610.0	[m]	DC	OD
2630.0	[m]	DC	OD
2637.0	[m]	SWC	OD
2640.0	[m]	DC	OD
2650.0	[m]	DC	OD
2660.0	[m]	DC	OD
2670.0	[m]	DC	OD
2680.0	[m]	DC	OD
2690.0	[m]	DC	OD
2700.0	[m]	DC	OD
2710.0	[m]	DC	OD
2720.0	[m]	DC	OD
2730.0	[m]	DC	OD
2740.0	[m]	DC	OD
2780.0	[m]	DC	OD
2790.0	[m]	DC	OD
2800.0	[m]	DC	OD

Oljeprøver i Sökkeldirektoratet



Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
RFT	RFT 1	2748.00	0.00		14.09.1984 - 00:00	YES
RFT	RFT 2	3096.00	0.00		15.09.1985 - 00:00	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
226	NORDLAND GP
1015	SOTBAKKEN GP
1015	TORSK FM
1447	NYGRUNNEN GP
1447	KVEITE FM
1585	ADVENTDALEN GP
1585	KOLMULE FM
2550	KOLJE FM
2648	KNURR FM
2702	HEKKINGEN FM
2719	FUGLEN FM
2748	KAPP TOSCANA GP
2748	STØ FM
2868	NORDMELA FM
3027	TUBÅEN FM
3185	FRUHOLMEN FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
132	pdf	0.52

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
132_1	pdf	0.35





Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
132_01_WDSS_General_Information	pdf	0.23
132_02_WDSS_completion_log	pdf	0.29

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
132_7119_9_1_COMPLETION_REPORT_AND_LOG	pdf	11.70

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	489	2724
CST	1549	2730
CST	2741	3230
HDT	755	1553
HRT	756	3248
ISF LSS GR SP	205	3248
LDT CAL GR	295	2721
LDT CNL CAL GR	2724	3248
NGT	1540	3248
RFT	2748	3202
RFT	3034	0
RFT	3096	0
SHDT	1549	3248
VSP	300	3248

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	296.0	36	297.0	1.10	LOT





SURF.COND.	20	756.0	26	770.0	1.70	LOT
INTERM.	13 3/8	1549.0	17 1/2	1563.0	1.73	LOT
INTERM.	9 5/8	2724.0	12 1/4	2732.0	2.04	LOT
OPEN HOLE		3243.0	8 1/2	3243.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
230	1.07			WATER BASED	03.07.1984
296	1.06			WATER BASED	03.07.1984
297	1.07			WATER BASED	03.07.1984
299	1.04	24.0	5.8	WATER BASED	03.07.1984
400	1.06	24.0	9.8	WATER BASED	04.07.1984
530	1.07	11.0	5.9	WATER BASED	05.07.1984
770	1.12	15.0	10.7	WATER BASED	06.07.1984
770	1.14	19.0	17.1	WATER BASED	10.07.1984
770	1.26	26.0	7.8	WATER BASED	10.07.1984
770	1.14	20.0	14.7	WATER BASED	10.07.1984
770	1.14	19.0	17.1	WATER BASED	10.07.1984
770	1.15	20.0	9.3	WATER BASED	10.07.1984
770	1.26	26.0	7.8	WATER BASED	11.07.1984
770	1.26			WATER BASED	12.07.1984
770	1.26			WATER BASED	16.07.1984
770	1.14	20.0	14.7	WATER BASED	10.07.1984
770	1.15	20.0	9.3	WATER BASED	10.07.1984
770	1.26	26.0	7.8	WATER BASED	10.07.1984
770	1.26	26.0	7.8	WATER BASED	11.07.1984
770	1.26			WATER BASED	12.07.1984
770	1.26			WATER BASED	16.07.1984
773	1.15	27.0	9.8	WATER BASED	16.07.1984
876	1.16	30.0	11.8	WATER BASED	16.07.1984
1030	1.17	30.0	11.8	WATER BASED	16.07.1984
1179	1.19	30.0	13.7	WATER BASED	17.07.1984
1300	1.19	30.0	14.7	WATER BASED	18.07.1984
1303	1.58			WATER BASED	25.09.1984
1390	1.20	27.0	9.8	WATER BASED	19.07.1984
1460	1.20	26.0	11.7	WATER BASED	24.07.1984
1563	1.24	38.0	14.7	WATER BASED	24.07.1984



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 00:05

1563	1.24	38.0	14.7	WATER BASED	25.07.1984
1563	1.24	38.0	14.7	WATER BASED	25.07.1984
1570	1.26	29.0	6.3	WATER BASED	26.07.1984
1693	1.27	3.0	9.8	WATER BASED	30.07.1984
1782	1.27	32.0	9.8	WATER BASED	30.07.1984
1817	1.27	32.0	9.5	WATER BASED	30.07.1984
1901	1.27	33.0	12.7	WATER BASED	30.07.1984
1938	1.27	28.0	9.8	WATER BASED	30.07.1984
1988	1.26	26.0	8.3	WATER BASED	01.08.1984
2053	1.27	30.0	8.8	WATER BASED	01.08.1984
2067	1.27	28.0	5.4	WATER BASED	03.08.1984
2128	1.28	27.0	9.8	WATER BASED	06.08.1984
2162	1.29	30.0	9.8	WATER BASED	06.08.1984
2212	1.28	28.0	8.8	WATER BASED	06.08.1984
2232	1.28	30.0	10.0	WATER BASED	06.08.1984
2267	1.28	29.0	9.8	WATER BASED	07.08.1984
2323	1.28	30.0	9.8	WATER BASED	08.08.1984
2370	1.28	30.0	9.8	WATER BASED	09.08.1984
2387	1.28	30.0	9.8	WATER BASED	13.08.1984
2417	1.28	30.0	10.7	WATER BASED	13.08.1984
2446	1.28	28.0	10.7	WATER BASED	14.08.1984
2498	1.28	28.0	9.8	WATER BASED	14.08.1984
2581	1.32	30.0	11.8	WATER BASED	14.08.1984
2622	1.32	30.0	8.8	WATER BASED	15.08.1984
2627	1.58			WATER BASED	20.09.1984
2676	1.34	30.0	11.8	WATER BASED	16.08.1984
2694	1.34	32.0	11.8	WATER BASED	20.08.1984
2731	1.34	32.0	11.8	WATER BASED	20.08.1984
2731	1.36	32.0	8.8	WATER BASED	20.08.1984
2731	1.39	32.0	10.8	WATER BASED	21.08.1984
2731	1.39	32.0	10.8	WATER BASED	24.08.1984
2731	1.36	32.0	8.8	WATER BASED	20.08.1984
2731	1.39	32.0	10.8	WATER BASED	21.08.1984
2731	1.39	32.0	10.8	WATER BASED	24.08.1984
2732	1.42	28.0	8.8	WATER BASED	27.08.1984
2732	1.43	30.0	6.8	WATER BASED	27.08.1984
2732	1.42	24.0	7.8	WATER BASED	27.08.1984
2732	1.40	26.0	7.8	WATER BASED	27.08.1984
2732	1.42	28.0	8.8	WATER BASED	27.08.1984
2732	1.42	24.0	7.8	WATER BASED	27.08.1984



2732	1.43	30.0	6.8	WATER BASED	27.08.1984
2745	1.55	40.0	8.8	WATER BASED	28.08.1984
2754	1.56	50.0	10.0	WATER BASED	29.08.1984
2776	1.56	58.0	11.8	WATER BASED	04.09.1984
2776	1.56	58.0	11.8	WATER BASED	30.08.1984
2776	1.56	58.0	11.8	WATER BASED	04.09.1984
2779	1.56	58.0	11.8	WATER BASED	04.09.1984
2824	1.56	40.0	8.8	WATER BASED	04.09.1984
2867	1.56	42.0	8.8	WATER BASED	04.09.1984
2928	1.56	42.0	10.8	WATER BASED	04.09.1984
2982	1.57	48.0	9.8	WATER BASED	04.09.1984
3002	1.57	48.0	10.8	WATER BASED	06.09.1984
3055	1.57	44.0	7.8	WATER BASED	06.09.1984
3086	1.57	45.0	9.8	WATER BASED	10.09.1984
3102	1.57	40.0	7.8	WATER BASED	10.09.1984
3154	1.57	46.0	10.8	WATER BASED	10.09.1984
3191	1.57	48.0	10.8	WATER BASED	10.09.1984
3242	1.58	51.0	10.8	WATER BASED	11.09.1984
3243	1.59	47.0	10.8	WATER BASED	13.09.1984
3243	1.59	46.0	9.8	WATER BASED	13.09.1984
3243	1.59	42.0	6.5	WATER BASED	14.09.1984
3243	1.59	42.0	6.5	WATER BASED	16.09.1984
3243	1.58	55.0	12.3	WATER BASED	16.09.1984
3243	1.58	55.0	12.3	WATER BASED	17.09.1984
3243	1.58	54.0	12.3	WATER BASED	19.09.1984
3243	1.59	46.0	9.8	WATER BASED	13.09.1984
3243	1.59	42.0	6.5	WATER BASED	14.09.1984
3243	1.59	42.0	6.5	WATER BASED	16.09.1984
3243	1.58	55.0	12.3	WATER BASED	16.09.1984
3243	1.58	55.0	12.3	WATER BASED	17.09.1984
3243	1.58	54.0	12.3	WATER BASED	19.09.1984

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]
132 Formation pressure (Formasjonstrykk)	pdf	0.22

