Generell informasjon

Brønnbane navn	15/3-2
Type	EXPLORATION
Formål	WILDCAT
Status	SUSPENDED
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	15/3-2
Seismisk lokalisering	line 580529-SP 210
Utvinningstillatelse	025
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	168-L
Boreinnretning	POLYGLOMAR DRILLER
Boredager	88
Borestart	29.10.1976
Boreslutt	24.01.1977
Frigitt dato	24.01.1979
Publiseringsdato	06.10.2010
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	110.0
Totalt målt dybde (MD) [m RKB]	4258.0
Totalt vertikalt dybde (TVD) [m RKB]	4256.0
Maks inklinasjon [°]	3.3
Eldste penetrerte alder	LATE JURASSIC
Eldste penetrerte formasjon	DRAUPNE FM
Geodetisk datum	ED50
NS grader	58° 59' 0.5'' N
ØV grader	1° 47' 12.6'' E
NS UTM [m]	6538995.08
ØV UTM [m]	430266.34
UTM sone	31
NPDID for brønnbanen	310

Brønnhistorie

General

Well 15/3-2 was drilled in the Vilje sub-basin structural element of the south Viking Graben of the North Sea. The objectives of well 15/3-2 were all Jurassic sands. The well was planned in two phases. Phase 1 (15/3-2) was to be drilled with the Polyglomar Driller down to top Jurassic. Phase 2 (15/3-2 R) was to be drilled with the Pentagone 84, a rig with a 15.000 psi wellhead equipment, necessary for testing of the high-pressure Jurassic reservoirs.

Operations and results

Well 15/3-2 was spudded with the semi-submersible installation Polyglomar Driller on 29 October 1976 and drilled to TD at 4258 m in the Late Jurassic Draupne Formation. When pulling out of the hole to set the 9 5/8" casing the drill string parted at 138 m, but was fished out. Otherwise, no significant technical problem occurred in the operations. The well was drilled with seawater and hi-vis pills down to 186 m, with prehydrated bentonite in fresh water from 186 m to 784 m, with LFC/Dextrid mud from 784 m to 2875 m, and with LFC+LC in seawater from 2875 m to TD. Up to 3% oil was added to the mud from 3953 m to TD.

Down to 4236 m (Tertiary and Cretaceous sections) no significant shows were observed except in Coniacian and Turonian limestones where some brown-yellow fluorescence was observed. Electric log analysis did not indicate any hydrocarbon-bearing reservoirs in these limestones.

No cores were cut and no wire line pressure points or fluid samples were taken.

A 9 5/8" casing was set at 4248 m and the well was suspended on 24 January 1977 for later re-entry and drilling and testing of the Jurassic targets. The well is classified as dry.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
190.00	4880.00

Borekaks tilgjengelig for prøvetaking?	YES

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST		0.00	0.00	WATER		YES
DST		0.00	0.00	WATER		YES
DST		0.00	0.00			YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
135	NORDLAND GP
579	UTSIRA FM
643	NO FORMAL NAME
670	HORDALAND GP
925	SKADE FM
979	NO FORMAL NAME
1122	NO FORMAL NAME
1151	NO FORMAL NAME
1402	GRID FM
1617	NO FORMAL NAME
1752	GRID FM
1775	NO FORMAL NAME
2082	ROGALAND GP
2082	BALDER FM
2142	SELE FM
2182	HEIMDAL FM
2338	LISTA FM
2437	TY FM
2648	VÅLE FM
2688	SHETLAND GP
3913	CROMER KNOLL GP
4236	VIKING GP
4236	DRAUPNE FM

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
310_01_WDSS_General_Information	pdf	0.27

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
310_1_15_3_2_Completion_log	pdf	2.39
310_1_15_3_2_Drilling_report	pdf	4.98
310_1_15_3_2_Geological_Completion_report	pdf	3.74

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL	550	920
CBL	1546	2862
DLL MSFL	4252	4735
FDC CNL	2859	4251
HDT	2000	4260
HDT	4252	4740
ISF SL GR	130	4258
ISF SL GR	4252	4506
ISF SL GR	4375	4755
ML MLL	3550	3880
RFT	4401	4406
RFT	4401	4403
RFT	4401	4402
RFT	4450	4469
RFT	4647	4652
TEMP	2125	3000

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	185.0	36	186.0	0.00	LOT
SURF.COND.	20	774.0	26	784.0	0.00	LOT

INTERM.	13 3/8	2862.0	17 1/2	2875.0	0.00	LOT
INTERM.	9 5/8	4248.0	12 1/4	4285.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
186	1.06	110.0		waterbased	
784	1.18	64.0		waterbased	
1813	1.23	60.0		waterbased	
2735	1.26	45.0		waterbased	
3715	1.35	51.0		waterbased	
4258	1.59	53.0		waterbased	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
4402.53	[m]
4403.17	[m]
4403.34	[m]