Generell informasjon

Brønnbane navn	15/12-23 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	15/12-21 (Grevling)
Brønn navn	15/12-23
Seismisk lokalisering	inline3392 & xline 5412
Utvinningstillatelse	038 D
Boreoperatør	Talisman Energy Norge AS
Boretillatelse	1317-L
Boreinnretning	TRANSOCEAN WINNER
Boredager	49
Borestart	31.05.2010
Boreslutt	18.07.2010
Frigitt dato	18.07.2012
Publiseringsdato	18.07.2012
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	SLEIPNER FM
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	86.5
Totalt målt dybde (MD) [m RKB]	4772.0
Totalt vertikalt dybde (TVD) [m RKB]	3327.0
Maks inklinasjon [°]	88.5
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	SLEIPNER FM
Geodetisk datum	ED50
NS grader	58° 13' 0.78'' N
ØV grader	1° 53' 3.87'' E
NS UTM [m]	6453546.42

ØV UTM [m]	434456.03
UTM sone	31
NPDID for brønnbanen	6404

Brønnhistorie

General

Well 15/12-23 A is a geological sidetrack to well 15/12-23, which proved oil in the Middle Jurassic Sleipner Formation and the Late Triassic Skagerrak Formation. It was drilled to appraise the Jurassic and Triassic potential in the western flank of the Grevling prospect in the Southern Viking Graben in the North Sea.

Operations and results

Well 15/12-23 A was drilled with the semi-submersible installation Transocean Winner. It was kicked off at 1191 m, below the 13 3/8" casing shoe in 15/12-23, and drilled to TD at 4772 m (3327 m) in the Middle Jurassic Sleipner Formation. The well was drilled with ENVIROMUL oil based mud from kick-off to TD.

The Hugin Formation was encountered at 4603 m (3220 m TVD). It had very good reservoir conditions and oil shows, but was water filled. The Sleipner Formation was encountered at 4632 m (3242 m TVD) and the upper section down to 4699 m consisted dominantly of coal beds and interbedded sandstones, which were difficult to interpret from logs. Some interbedded sandstones had shows and some had no shows. From 4699 m the Sleipner Formation was oil-bearing down to a probable OWC around 4725 m (3315 m TVD). Shows were recorded down to 4735 m.

Three cores were cut, core 1 from 4612 to 4664 m, core 2 from 4664 to 4701 m and core 3 from 4701.2 to 4741 m, giving a total of 129 m of core.

No wire line logs were run hence no down-hole fluid samples were taken.

The well was permanently abandoned on 18 July 2010 as an oil appraisal.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1200.00	4770.00

Borekaks tilgjengelig for prøvetaking?	YES

Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	4614.5	4663.5	[m]
2	4664.0	4701.8	[m]
3	4701.2	4740.1	[m]

Total kjerneprøve lengde [m]	125.7
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
113	NORDLAND GP
916	UTSIRA FM
1111	NO FORMAL NAME
1116	HORDALAND GP
1212	GRID FM
1279	NO FORMAL NAME
2445	ROGALAND GP
2445	BALDER FM
2472	SELE FM
2582	LISTA FM
2796	VÅLE FM
2801	SHETLAND GP
2801	EKOFISK FM
2815	TOR FM
3897	HOD FM
4108	BLODØKS FM
4168	HIDRA FM
4270	CROMER KNOLL GP
4270	RØDBY FM
4295	SOLA FM
4312	TUXEN FM
4329	ÅSGARD FM
4345	VIKING GP
4345	DRAUPNE FM

4428	HEATHER FM
4490	INTRA HEATHER FM SS
4603	VESTLAND GP
4603	HUGIN FM
4632	SLEIPNER FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
6404_01_15_12_23A_gch_transfer_1	txt	0.00
6404_02_15_12_23A_gch_results_1	txt	0.06

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - GR RES DEN NEU SON FMP PWD	3897	4772
MWD - GR RES PWD DIR	1178	4614

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
INTERM.	9 5/8	2844.0	12 1/4	2852.0	1.73	LOT
OPEN HOLE		4772.0	8 1/2	4772.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
604	1.57	38.0		Enviromul	
1221	1.47	50.0		Enviromul	
2689	1.57	38.0		Enviromul	
2852	1.54	42.0		Enviromul	
3240	1.42	31.0		Enviromul	
3822	1.42	38.0		Enviromul	
4612	1.42	40.0		Enviromul	
4741	1.42	34.0		Enviromul	

4772	1.43	34.0		Enviromul	