Generell informasjon

Brønnbane navn	7324/7-1 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7324/7-1
Seismisk lokalisering	inline 2588 & crosline 4276
Utvinningstillatelse	537
Boreoperatør	OMV (Norge) AS
Boretillatelse	1463-L
Boreinnretning	LEIV EIRIKSSON
Boredager	44
Borestart	20.09.2013
Boreslutt	03.11.2013
Frigitt dato	03.11.2015
Publiseringsdato	03.11.2015
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	413.0
Totalt målt dybde (MD) [m RKB]	2535.0
Totalt vertikalt dybde (TVD) [m RKB]	2477.0
Maks inklinasjon [°]	20.8
Temperatur ved bunn av brønnbanen [°C]	90
Eldste penetrerte alder	MIDDLE TRIASSIC
Eldste penetrerte formasjon	KOBBE FM
Geodetisk datum	ED50
NS grader	73° 29' 17.73'' N
ØV grader	24° 16' 48.5'' E
NS UTM [m]	8157136.96
ØV UTM [m]	413739.36
UTM sone	35
NPDID for brønnbanen	7222

Brønnhistorie

General

Well 7324/7-1 S was drilled on the Wisting Alternative prospect, 5.7 km north-west of the 7324/8-1 Wisting oil discovery in the Barents Sea. The prospect lies on the Bjarmeland Platform, close to the northern end of the Maud Basin. The primary objective was to prove petroleum in Middle Triassic reservoir rocks (the Kobbe formation). The secondary objective was to prove petroleum in reservoir rocks from the Middle to Late Triassic (the Snadd formation).

Operations and results

Wildcat well 7324/7-1 S was spudded with the semi-submersible installation Leiv Eiriksson on 20 September 2013 and drilled to TD at 2535 m (2477 m TVD) m in the Middle Triassic Kobbe Formation. The well was drilled with seawater and hi-vis sweeps down to 891 m and with KCl/Glydril mud from 891 m to TD.

Reservoir rocks were encountered in the Kobbe and Snadd formations, but with poorer than expected reservoir properties. The Snadd Formation had shows in generally thin Sandstone beds in the interval 1065 to 1765 m. The Kobbe Formation had weak shows in thin sandstones in the interval 2090 to 2164 m

No cores were cut. MDT fluid sampling was attempted only in the Snadd Formation, but failed due to tight formation.

The well was permanently abandoned on 3 November 2013 as a dry well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
890.00	2532.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
438	NO GROUP DEFINED
438	UNDIFFERENTIATED
490	ADVENTDALEN GP
490	KOLMULE FM
672	KOLJE FM

688	KNURR FM
697	HEKKINGEN FM
733	FUGLEN FM
780	KAPP TOSCANA GP
780	STØ FM
796	NORDMELA FM
799	FRUHOLMEN FM
896	SNADD FM
2063	SASSENDALEN GP
2063	KOBBE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CMR HRLA PEX HNGS GR	893	1914
LWD - DIR	438	506
LWD - DIR PWD	506	891
LWD - GR RES DENS POR SON DIR PW	506	891
LWD - GR RES DENS POR SON FMPRES	891	2535
MDT GR	1448	1661
MSCT GR	937	1900
MSCT GR	1936	2462
SON SCAN SPGR MR RES DEN NEU	1622	2536
VSP GR	563	2460

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	502.0	36	505.0	0.00	
SURF.COND.	13 3/8	885.0	17 1/2	891.0	0.00	
INTERM.	9 5/8	1906.0	12 1/4	1914.0	0.00	
OPEN HOLE		2535.0	8 1/2	2535.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
845	1.02			Seawater	
1914	1.24	12.0		Glydril (KCL/glycol) mud	
2274	1.25	13.0		Glydril (KCL/glycol) mud	
2295	1.34	15.0		Glydril (KCL/glycol) mud	
2535	1.42	16.0		Glydril mud	