



Generell informasjon

Brønnbane navn	7324/8-3
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Funn	7324/8-1 (Wisting)
Brønn navn	7324/8-3
Seismisk lokalisering	
Utvinningstillatelse	537
Boreoperatør	OMV (Norge) AS
Boretillatelse	1668-L
Boreinnretning	ISLAND INNOVATOR
Boredager	33
Borestart	16.08.2017
Boreslutt	17.09.2017
Frigitt dato	17.09.2019
Publiseringsdato	17.09.2019
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	STØ FM
2. nivå med hydrokarboner, alder	LATE TRIASSIC
2. nivå med hydrokarboner, formasjon	FRUHOLMEN FM
Avstand, boredekk - midlere havflate [m]	30.0
Vanndybde ved midlere havflate [m]	396.0
Totalt målt dybde (MD) [m RKB]	805.0
Totalt vertikalt dybde (TVD) [m RKB]	805.0
Maks inklinasjon [°]	1.1
Temperatur ved bunn av brønnbanen [°C]	20
Eldste penetrerte alder	LATE TRIASSIC



Eldste penetrerte formasjon	FRUHOLMEN FM
Geodetisk datum	ED50
NS grader	73° 26' 4" N
ØV grader	24° 23' 21.67" E
NS UTM [m]	8150984.02
ØV UTM [m]	416938.84
UTM sone	35
NPDID for brønnbanen	8239

Brønnhistorie

General

The 7324/8-3, Wisting Central III, is an appraisal well in the Hoop area of the Barents Sea. The objectives of the well were to perform XLOT in the Fuglen Formation overburden and in the Stø Formation reservoir followed by an injectivity test in the Stø Formation. In addition, there was planned a core from the Fuglen Formation overburden, including the transition zone into Stø Formation, to the bottom of the reservoir in the Fruholmen Formation. Oil and water samples were to be recovered and logs run from the 30" shoe to TD.

Operations and results

Appraisal well 7324/8-3 was spudded with the semi-submersible installation Island Innovator on 16 August 2017 and drilled to TD at 805 m in the Late Triassic Fruholmen Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis sweeps down to 492 m and with Glydril water-based mud from 492 m to TD.

After having drilled the main bore, a pilot hole was drilled to 526.0 m. The purpose of the pilot hole was to obtain sonic data from the top hole section for seismic calibration.

The Fuglen Formation was penetrated at 626 m and is 39 m thick in the well. Top Wisting reservoir was encountered at 665 m. The reservoir consists of 19 m Stø sandstone, 4 m Nordmela sandstone and 72 m of intercalated claystones and sandstones in the upper Reke Member of the Fruholmen Formation. The reservoir is oil-bearing down to the OWC at 722.2 m.

Three cores were cut from 650m in the Fuglen Formation down to 766 m in the Akkar Member of the Fruholmen Formation, including the transition zone between Fuglen and Stø formations. The addition of Tritium tracer in the mud during coring of the reservoir aided in the water sample contamination analysis. MDT fluid samples were taken at 671.0 m (oil), 700.7 m (oil), and 740.4 m (water).

The well was permanently abandoned on 17 September 2017 as an oil appraisal well.

Testing

Extended leak-off tests (XLOT) were carried out in the Fuglen, Stø and Fruholmen formations. A water injection test was performed in the Stø Formation through perforations at 678.5 - 681.5 m.



Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
459.00	805.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	650.0	674.8	[m]
2	674.9	706.0	[m]
3	706.0	761.6	[m]

Total kjerneprøve lengde [m]	111.5
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
426	NORDLAND GP
501	ADVENTDALEN GP
501	KOLMULE FM
567	KOLJE FM
587	KLIPPFIISK FM
596	HEKKINGEN FM
626	FUGLEN FM
665	KAPP TOSCANA GP
665	STØ FM
688	FRUHOLMEN FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CMR MDT GR	628	799
FMI MSIP GR	662	800
HRLA PEX APS HNGS GR	600	800
LWD - GVR ARC TELE	645	805



LWD - GVR ARC TELE SONS	497	645
LWD - GVR ECO SONI TELE	426	526
MDT GR	671	740
MWD - TELE	414	493

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	492.6	36	492.6	0.00	
PILOT HOLE		526.0	9 7/8	526.0	0.00	
INTERM.	9 5/8	636.6	12 1/4	645.0	1.15	LOT
		673.5		0.0	1.18	LOT
		702.0		0.0	2.74	LOT
LINER	7	805.0	8 1/2	805.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
426	1.04			Hi-vis	
426	1.02			SW	
426	1.49			KCl kill mud	
497	1.59	19.0		Glydril	
645	1.12	11.0		Glydril	
645	1.59	20.0		Glydril	
649	1.14	14.0		Glydril	
805	1.11	1.0		NaCl Brine	
805	1.17	12.0		Glydril	
805	1.02			SW	