



Generell informasjon

Brønnbane navn	35/11-23 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	FRAM
Funn	35/11-23 (Echino Sør)
Brønn navn	35/11-23
Seismisk lokalisering	Inline: 2236. Xline: 6293. 3-D survey ST13M03
Utvinningstillatelse	090
Boreoperatør	Equinor Energy AS
Boretillatelse	4918-L
Boreinnretning	DEEPSEA ATLANTIC
Boredager	15
Borestart	07.11.2019
Boreslutt	21.11.2019
Plugget og forlatt dato	21.11.2019
Frigitt dato	21.11.2021
Publiseringsdato	22.12.2021
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	30.0
Vanndybde ved midlere havflate [m]	350.0
Totalt målt dybde (MD) [m RKB]	2883.0
Totalt vertikalt dybde (TVD) [m RKB]	2659.0
Eldste penetrerte alder	JURASSIC
Eldste penetrerte formasjon	VIKING GP
Geodetisk datum	ED50
NS grader	61° 1' 14.7" N
ØV grader	3° 27' 49.21" E
NS UTM [m]	6765347.72
ØV UTM [m]	525062.70



UTM sone	31
NPDID for brønnbanen	8940

Brønnhistorie

General

Well 35/11-23 A is a geological side-track to the 35/11-23 Echino discovery on the Lomre Terrace north of the Troll Field in the North Sea. Well 35/11-23 discovered oil and gas in the Late Jurassic Sognefjord Formation and the Middle Jurassic Brent Group. The 35/11-23 A side-track was drilled down flanks to the west of the main bore on the Echino structure and the objective was to establish the OWC within the Sognefjord J56 reservoir.

Operations and results

Appraisal well 35/11-23 A was kicked off from the main bore at 1130 m on 7 November 2019. It was drilled with the semi-submersible installation Deepsea Atlantic to TD at 2883 m in the Middle Jurassic Heather Formation. Operations proceeded without significant problems. The well was drilled with Synteq oil-based mud from kick-off to TD.

The J56 and J52 Sognefjord Formation sands that were found hydrocarbon bearing in the main bore, were penetrated from 2551 to 2605 m (2344 to 2395 m TVD) and from 2634 to 2673 m (2422 to 2460 m TVD), respectively. Both had good reservoir properties and were water bearing. Combined pressure data from the main bore and the side-track proved an OWC in the J56 sand at 2544 m (2337 m TVD). Pressure data also showed 3 bar lower pressure in J56 than in J52. The Krossfjord Formation from 2798 to 2808 m (2578 to 2588 m TVD) had a thin sand with high resistivity and shows described with direct and cut fluorescence. These are the only shows described in the well.

No conventional cores were cut, but sidewall cores were taken. RCX water samples were taken at 2552.2 m .

The well was permanently abandoned on 21 November 2019 as a dry appraisal well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1140.00	2883.00

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sokkeldirektoratet



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 14.5.2024 - 13:53

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
2500.0	[m]	DC	PETROSTR
2512.0	[m]	DC	PETROS
2524.0	[m]	DC	PETROS
2536.0	[m]	DC	PETROS
2548.0	[m]	DC	PETROS
2551.0	[m]	DC	PETROS
2554.0	[m]	DC	PETROS
2557.0	[m]	DC	PETROS
2557.0	[m]	DC	PETROS
2563.0	[m]	DC	PETROS
2572.0	[m]	DC	PETROS
2578.0	[m]	DC	PETROS
2584.0	[m]	DC	PETROS
2590.0	[m]	DC	PETROS
2596.0	[m]	DC	PETROS
2602.0	[m]	DC	PETROS
2608.0	[m]	DC	PETROS
2614.0	[m]	DC	PETROS
2620.0	[m]	DC	PETROS
2626.0	[m]	DC	PETROS
2632.0	[m]	DC	PETROS
2638.0	[m]	DC	PETROS
2644.0	[m]	DC	PETROS
2650.0	[m]	DC	PETROS
2656.0	[m]	DC	PETROS
2662.0	[m]	DC	PETROS
2668.0	[m]	DC	PETROS
2674.0	[m]	DC	PETROS
2680.0	[m]	DC	PETROS
2686.0	[m]	DC	PETROS
2692.0	[m]	DC	PETROS
2698.0	[m]	DC	PETROS
2704.0	[m]	DC	PETROS
2710.0	[m]	DC	PETROS
2716.0	[m]	DC	PETROS
2722.0	[m]	DC	PETROS
2728.0	[m]	DC	PETROS
2734.0	[m]	DC	PETROS
2743.0	[m]	DC	PETROS



2752.0	[m]	DC	PETROS
2758.0	[m]	DC	PETROS
2764.0	[m]	DC	PETROS
2770.0	[m]	DC	PETROS
2776.0	[m]	DC	PETROS
2782.0	[m]	DC	PETROS
2788.0	[m]	DC	PETROS
2794.0	[m]	DC	PETROS
2800.0	[m]	DC	PETROS
2803.0	[m]	DC	PETROS
2806.0	[m]	DC	PETROS
2809.0	[m]	DC	PETROS
2812.0	[m]	DC	PETROS
2818.0	[m]	DC	PETROS
2824.0	[m]	DC	PETROS
2830.0	[m]	DC	PETROS
2836.0	[m]	DC	PETROS
2842.0	[m]	DC	PETROS
2848.0	[m]	DC	PETROS
2854.0	[m]	DC	PETROS
2860.0	[m]	DC	PETROS
2866.0	[m]	DC	PETROS
2875.0	[m]	DC	PETROS
2881.0	[m]	DC	PETROS
2883.0	[m]	DC	PETROS

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
1573	BALDER FM
1629	ROGALAND GP
1629	BALDER FM
1697	SELE FM
1755	LISTA FM
1926	VÅLE FM
1978	JORSALFARE FM
2155	SHETLAND GP
2155	JORSALFARE FM
2216	DRAUPNE FM



2255	KYRRE FM
2417	VIKING GP
2417	DRAUPNE FM
2499	HEATHER FM
2551	UNDIFFERENTIATED
2605	HEATHER FM
2634	UNDIFFERENTIATED
2673	HEATHER FM
2796	UNDIFFERENTIATED
2808	HEATHER FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - GR RES	1126	2348
LWD - GR RES	2348	2883

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
SURF.COND.	13 3/8	1117.0	17 1/2	1117.0	1.51	FIT
LINER	9 5/8	2150.3	12 1/4	2150.3	1.40	FIT
OPEN HOLE		2659.0	8 1/2	2659.0	0.00	