



Generell informasjon

Brønnbane navn	34/7-24 S
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	VIGDIS
Funn	34/7-23 S
Brønn navn	34/7-24
Seismisk lokalisering	CTM 94- ROW 1598 & COLUMN 857
Utvinningstillatelse	089
Boreoperatør	Saga Petroleum ASA
Boretillatelse	801-L
Boreinnretning	VILDKAT EXPLORER
Boredager	28
Borestart	25.02.1995
Boreslutt	24.03.1995
Frigitt dato	24.03.1997
Publiseringsdato	28.02.2008
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	152.0
Totalt målt dybde (MD) [m RKB]	3145.0
Totalt vertikalt dybde (TVD) [m RKB]	2938.0
Maks inklinasjon [°]	30
Temperatur ved bunn av brønnbanen [°C]	100
Eldste penetrerte alder	LATE JURASSIC
Eldste penetrerte formasjon	HEATHER FM
Geodetisk datum	ED50
NS grader	61° 18' 32.92" N
ØV grader	2° 1' 51.55" E
NS UTM [m]	6797768.90
ØV UTM [m]	448098.91



UTM sone	31
NPDID for brønnbanen	2460

Brønnhistorie

**General**

Well is located east of the Statfjord Øst field and west of the Vigdis and Tordis Fields in the Tampen area in the Northern North Sea. The main objective of the well was to prove presence of sandstone and hydrocarbons in the Draupne Formation. The wells earlier drilled in the H-Area, 34/7-21, -21 A in H-Sentral and -23 S and -23A in H-Vest, proved oil bearing Late Jurassic Intra Draupne Formation sand. The discoveries in H-Sentral and H-Vest were however not in direct pressure communication. Well 34/7-24 S was drilled in a structural low compared to the other wells in the area and was mainly designed to test the continuity of the discovery made in H-Vest 34/7-23 S&A. The 34/7-24 S well was prognosed to penetrate top reservoir 63 m below the deepest penetrated ODT in the area. No OWC had been proved in the H-Area and the 34/7-24 S well was placed structurally relatively deep in order to possible reach an OWC in case of a sand bearing top Draupne interval.

Secondary objectives of the well were possible gravity deposited sandstones within the Middle and Lower Draupne Sequences

Operations and results

Well 34/7-24 S was spudded with the semi-submersible installation Vildkat Explorer on 25 February 1995 and drilled to TD at 3145 m (2938 m TVD) 54 m TVD into Late Jurassic sediments of the Heather Formation. Due to the nearness to the Snorre-Statfjord pipeline at the target position the well had to be drilled deviated. The distance between the spud and the target position at Base Cretaceous level was approximately 900 m. The inclination was built from vertical to 28 deg through the 12 1/4" section from 335 m to 1296 m. Operations went without significant problems. The well was drilled with spud mud down to 1296 m, and with a pseudo-oil based mud system (NOVAMUL) from 1296 m to TD. There was interpreted possible shallow gas from the MWD logs between 361 to 365 m. The zone did not show anything on the ROV or at the flow check.

The Nordland and Hordaland Groups consisted mainly of silty claystones except for the sandy Utsira Formation, which came in at 926 m MD (905 m TVD). The Nordland and Hordaland Groups had the highest content of drilling gas in the well (0.1-0.8), but no signs of gas were seen on the logs, except for the already mentioned shallow gas level. The Rogaland Group was penetrated at 1861 m (1727 m TVD), and consists of the Balder Formation and the Sele/Lista Formation. The Balder Formation was dominated by tuff interbedded with claystone. The Sele/Lista Formation consisted of silty claystones with traces of limestones. There were some weak hydrocarbon shows from 1870 to 1910 m. At 2065 m (1904 m TVD) the Shetland Group was penetrated. The Shetland Group consisted predominantly of silty claystones with some limestones and thin sandstone beds. The Cromer Knoll Group had marl as the main lithology. The marl was interbedded with silty claystones. The Viking Group top reservoir, came in at 2928 m (2721 m TVD) and consisted of claystones interbedded with only minor sandstone beds.

No cores were cut. No wire line pressure or fluid samples were taken since no sand was encountered.

The well was permanently abandoned on 24 March 1995 as a dry well.

Testing

No drill stem test was performed.



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
340.00	3145.00

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1310.0	[m]	DC	RRI
1350.0	[m]	DC	RRI
1650.0	[m]	DC	RRI
1710.0	[m]	DC	RRI
1750.0	[m]	DC	RRI
1830.0	[m]	DC	RRI
1850.0	[m]	DC	RRI
1870.0	[m]	DC	RRI
1890.0	[m]	DC	RRI
1970.0	[m]	DC	RRI
2070.0	[m]	DC	RRI
2120.0	[m]	DC	RRI
2300.0	[m]	DC	RRI
2420.0	[m]	DC	RRI
2550.0	[m]	DC	RRI
2670.0	[m]	DC	RRI
2810.0	[m]	DC	RRI
2920.0	[m]	DC	RRI
2932.5	[m]	SWC	BIOSTRAT
2940.0	[m]	DC	RRI
2958.0	[m]	SWC	BIOSTR
2968.0	[m]	DC	RRI
2974.0	[m]	SWC	BIOSTR
2977.0	[m]	DC	RRI
2980.4	[m]	SWC	BIOSTR
2988.0	[m]	SWC	BIOSTR
2990.3	[m]	SWC	BIOSTR
2993.0	[m]	SWC	BIOSTR
2995.0	[m]	DC	RRI
2998.0	[m]	SWC	BIOSTR
3000.5	[m]	SWC	BIOSTR
3003.0	[m]	SWC	BIOSTR



3011.0	[m]	SWC	BIOSTR
3013.0	[m]	DC	RRI
3018.0	[m]	SWC	BIOSTR
3022.0	[m]	DC	RRI
3031.0	[m]	DC	RRI
3040.0	[m]	DC	RRI
3049.0	[m]	DC	RRI
3070.0	[m]	DC	RRI
3079.0	[m]	DC	RRI
3085.0	[m]	DC	RRI
3097.0	[m]	DC	RRI
3109.0	[m]	DC	RRI
3121.0	[m]	DC	RRI
3130.0	[m]	DC	RRI
3139.0	[m]	DC	RRI
3145.0	[m]	DC	RRI

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
177	NORDLAND GP
1062	UTSIRA FM
1078	HORDALAND GP
1248	NO FORMAL NAME
1287	NO FORMAL NAME
1365	NO FORMAL NAME
1468	NO FORMAL NAME
1861	ROGALAND GP
1861	BALDER FM
1899	LISTA FM
2065	SHETLAND GP
2065	JORSALFARE FM
2402	KYRRE FM
2919	CROMER KNOLL GP
2919	RØDBY FM
2922	MIME FM
2928	VIKING GP
2928	DRAUPNE FM
3091	HEATHER FM



Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
2460_1	pdf	2.22

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
2460_34_7_24_S_COMPLETION_REPORT_AND_LOG	pdf	6.03

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DIFL DAC ZDL GR TTRM	2768	3143
HEXDIP GR TTRM	2785	3143
MWD EWR DGR - DIR GR RES SN	177	3145
SWC GR	2915	3112
VELOCITY	2605	3130

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	225.0	36	226.0	0.00	LOT
SURF.COND.	18 5/8	328.0	26	330.0	1.25	LOT
INTERM.	9 5/8	1288.0	12 1/4	1290.0	1.65	LOT
OPEN HOLE		3145.0	8 1/2	3145.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
861	1.13	10.0	32.0	WATER BASED	03.03.1995





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 14.5.2024 - 21:31

1296	1.18	16.0	33.0	WATER BASED	06.03.1995
1296	1.18	15.0	34.0	WATER BASED	06.03.1995
1456	1.30	36.0	23.0	OIL BASED	06.03.1995
2154	1.50	38.0	37.0	OIL BASED	07.03.1995
2505	1.52	33.0	30.0	OIL BASED	08.03.1995
2710	1.55	36.0	27.0	OIL BASED	13.03.1995
2924	1.55	35.0	27.0	OIL BASED	13.03.1995
2975	1.55	36.0	22.0	OIL BASED	13.03.1995
2975	1.55	36.0	23.0	OIL BASED	13.03.1995
2975	1.55	37.0	21.0	OIL BASED	14.03.1995
2975	1.55	36.0	24.0	OIL BASED	13.03.1995
2978	1.55	35.0	21.0	OIL BASED	15.03.1995
3145	1.55	37.0	21.0	OIL BASED	17.03.1995
3145	1.55	37.0	21.0	OIL BASED	20.03.1995
3145	1.55	37.0	23.0	OIL BASED	20.03.1995
3145	1.55	37.0	23.0	OIL BASED	20.03.1995
3145	1.55	37.0	23.0	OIL BASED	21.03.1995
3145	1.55	37.0	23.0	OIL BASED	23.03.1995
3145	1.55	17.0	34.0	WATER BASED	23.03.1995
3145	1.55	35.0	23.0	OIL BASED	16.03.1995