



Generell informasjon

Brønnbane navn	34/8-13 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	VISUND
Funn	34/8-1 Visund
Brønn navn	34/8-13
Seismisk lokalisering	inline ST0404-2227 & crossline ST0404-1766
Utvinningstillatelse	120
Boreoperatør	StatoilHydro Petroleum AS
Boretillatelse	1221-L
Boreinnretning	SCARABEO 5
Boredager	58
Borestart	17.03.2009
Boreslutt	13.05.2009
Frigitt dato	13.05.2011
Publiseringsdato	13.05.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	INTRA DRAUPNE FM SS
2. nivå med hydrokarboner, alder	MIDDLE JURASSIC
2. nivå med hydrokarboner, formasjon	TARBERT FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	380.0
Totalt målt dybde (MD) [m RKB]	3852.0
Totalt vertikalt dybde (TVD) [m RKB]	3132.7
Maks inklinasjon [°]	62.5
Eldste penetrerte alder	LATE TRIASSIC



Eldste penetrerte formasjon	STATFJORD GP
Geodetisk datum	ED50
NS grader	61° 24' 15.8" N
ØV grader	2° 34' 52" E
NS UTM [m]	6808065.46
ØV UTM [m]	477631.61
UTM sone	31
NPDID for brønnbanen	6024

Brønnhistorie



General

Wells 34/8-13 A and 34/8-13 S were drilled in the Tampen Spur area of the North Sea. The objective of the wells was to test the hydrocarbon potential in the Titan prospect. The prospect is located east of the Visund N2 Brent segment as part of the Visund N2 East Flank degradation complex, and contains two slide blocks, B and C. The primary objective of the 34/8-13A was to test the hydrocarbon potential of slide block B in the Titan prospect while the sidetrack 34/8-13 S, was drilled to test slide block C. For technical reasons the naming of these wells is reversed compared to usual practice: the A well is the main well while the S well is the geological sidetrack.

Operations and results

A 9 7/8" pilot hole, well 34/8 -U-1, was drilled from sea-bed to 725 m MD to evaluate for shallow gas. Based on MWD/LWD and ROV no indications of shallow gas were observed.

Wildcat well 34/8-13 A was spudded with a 36" hole opener with the semi-submersible installation on Scarabeo 5 and drilled to TD at 3852 m (3132.7 m TVD) in Late Triassic sediments of the Staffjord Formation. No indications of shallow gas were observed when drilling the 36" and 26" hole in well 34/8-13 A. The well was drilled with seawater and hi-vis sweeps down to 1324 m, and with XP-07 oil based mud from 1324 m to TD.

The well penetrated rocks of Quaternary, Tertiary, Cretaceous and Jurassic age. The Viking Group, Draupne Formation was encountered at 3349 m (2869.8 m TVD), and an intra Draupne Formation sandstone was encountered at 3386 m (2887.7 m TVD). Oil was discovered in the Intra-Draupne sandstone and down into degraded Brent sandstone. An oil leg of 19 m TVD was proven in the well position with oil down to 2905 m TVD and water up to 2907.5 m TVD. Oil shows were recorded only in the oil-bearing reservoir section and nowhere else in the well.

Two cores were cut from 3416 to 3446 m in the Tarbert Formation. MDT oil samples were taken at 3398.5 m. The contamination from the OBM in these were 5.5 to 6 %wt. Analysis of the oil base in the mud filtrate proved a narrow cut of n-alkanes centred around C13.

The well bore was plugged back on 13 May 2009 and a sidetrack (34/8-13 S) was drilled with KOP at 1346 m. Well 34/8-13 A was originally classified as an oil discovery. In June 2018 the well was reclassified as an appraisal well for the discovery 34/8-1 Visund.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
2950.00	3852.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3416.0	3438.1	[m]
2	3439.0	3445.6	[m]

Total kjerneprøve lengde [m]	28.7
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
405	NORDLAND GP
1120	UTSIRA FM
1217	HORDALAND GP
1857	ROGALAND GP
1857	BALDER FM
1905	SELE FM
1929	LISTA FM
2050	SHETLAND GP
2050	JORSALFARE FM
2277	KYRRE FM
3045	TRYGGVASON FM
3326	CROMER KNOLL GP
3326	ÅSGARD FM
3349	VIKING GP
3349	DRAUPNE FM
3381	INTRA DRAUPNE FM SS
3414	BRENT GP
3414	TARBERT FM
3443	NESS FM
3466	DUNLIN GP
3466	DRAKE FM
3495	COOK FM
3593	AMUNDSEN FM
3735	STATEJORD GP



Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT GRIT ACTS EDTC	3383	3383
MDT GRIT ACTS EDTC	3395	3460
MWD LWD - ARCVRES PP	406	725
MWD LWD - ARCVRES6 TELE	2942	3580
MWD LWD - ARCVRES9 PP	469	2948
MWD LWD - ECO TELE STHET SEISMIC	2948	3852
MWD LWD - PP	406	469
SONIC OBMI	2942	3744

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	465.0	36	468.0	0.00	LOT
PILOT HOLE		725.0	9 7/8	725.0	0.00	LOT
SURF.COND.	20	1324.0	26	1324.0	1.60	LOT
INTERM.	9 5/8	2942.0	12 1/4	2948.0	1.80	LOT
OPEN HOLE		3852.0	8 1/2	3852.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
968	1.30	48.0		KCl/Polymer	
1324	1.48	18.0		XP-07 - #14	
1330	1.30	48.0		KCl/Polymer	
1330	1.41	15.0		XP-07 - #14	
1330	1.30	48.0		KCl/Polymer	
1330	1.30	17.0		Kill Fluid- SW/Bentonite	
1397	1.41	15.0		XP-07 - #14	
2345	1.48	21.0		XP-07 - #14	
2617	1.49	21.0		XP-07 - #14	
2948	1.49	24.0		XP-07 - #14	



3439	1.61	26.0		XP-07 - #14	
3852	1.61	30.0		XP-07 - #14	
3853	1.61	27.0		XP-07 - #14	

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspar. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
6024 Formation pressure (Formasjonstrykk)	pdf	0.22

