



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 12:47

Brønnbane navn	30/3-8 S
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	VESLEFRIKK
Funn	30/3-2 Veslefrikk
Brønn navn	30/3-8
Seismisk lokalisering	Inline 321& crossline 639
Utvinningstillatelse	052
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	970-L
Boreinnretning	VESLEFRIKK A
Boredager	41
Borestart	25.03.2000
Boreslutt	04.05.2000
Frigitt dato	04.05.2002
Publiseringsdato	06.01.2014
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	56.0
Vanndybde ved midlere havflate [m]	175.0
Totalt målt dybde (MD) [m RKB]	5120.0
Totalt vertikalt dybde (TVD) [m RKB]	3344.0
Maks inklinasjon [°]	73
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	60° 46' 57.87" N
ØV grader	2° 53' 52.27" E
NS UTM [m]	6738752.12
ØV UTM [m]	494437.31
UTM sone	31
NPDID for brønnbanen	3899



Brønnhistorie

General

Well 30/3-8 S was drilled as an appraisal well on the Veslefrikk Field on the northern part of the Brage Horst in the North Sea. Well 30/3-8 S was planned as a pilot for a geologic sidetrack, well 30/3-8 A. The primary objective of 30/3-8 S was to evaluate the structural model/complexity of the Middle - Early Jurassic Brent and Dunlin Groups, and to gather as much information as possible about stratigraphy, fluid phases and contacts before drilling the 30/3-8 A.

Operations and results

Appraisal well 30/3-8 S was spudded on 25 March 2000 through slot 7 on the Veslefrikk A platform. It was drilled deviated from kick-off at 1594 m to TD at 5120 m in Dunlin Group sandstone. Maximum deviation was 73 deg. When pulling out from 4500 m the drill string stuck at 4499 m in a fault. The circulation was also lost for a while but was regained later. The string was cut by string shot, leaving a 238 m long fish that was cemented in the hole. The well was drilled with Glydril mud from kick-off to 2864 m, and with Versavert oil based mud from 2864 m to TD.

Top of reservoir, Brent Group, was found at 4094 m (2948.5 m TVD). A complex faulted sequence followed with Brent and Dunlin Groups penetrated three times. The upper of these Brent-Dunlin sequences contained a complete Brent Group, with residual hydrocarbons down to 4306 m (3016 m TVD), 54 m TVD deeper than the OWC in the Oseberg Formation in the main Veslefrikk field. Otherwise the 30/3-8 S well bore was water bearing.

No cores were cut. No wire line loges were run in the well and no wire line fluid samples were taken.

The well was plugged back on 4 May 2000 for sidetracking of 30/3-8 A. Well 30/3-8 S is classified as a dry well.

Testing

No drill stem test was performed.

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
231	NORDLAND GP
2596	ROGALAND GP
2596	BALDER FM
2714	SELE FM
2751	LISTA FM
3001	SHETLAND GP
4034	CROMER KNOLL GP
4053	VIKING GP
4053	DRAUPNE FM



4054	HEATHER FM
4095	BRENT GP
4095	TARBERT FM
4100	NESS FM
4218	ETIVE FM
4243	RANNOCH FM
4256	OSEBERG FM
4486	DUNLIN GP
4486	DRAKE FM
4488	OSEBERG FM
4554	DUNLIN GP
4554	DRAKE FM
4752	BRENT GP
4752	NESS FM
4780	ETIVE FM
4791	RANNOCH FM
4797	NESS FM
4827	DUNLIN GP
4827	DRAKE FM

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
3899 30 3 8 S COMPLETION LOG	.pdf	0.89
3899 30 3 8 S COMPLETION REPORT	.pdf	5.59

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GR MPR	3523	5120

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	26	468.0	28 3/4	468.0	1.32	LOT
SURF.COND.	20	1594.0	24	1598.0	1.72	LOT
INTERM.	13 3/8	2860.0	17 1/2	2864.0	1.75	LOT





OPEN HOLE		5120.0	12 1/4	5120.0	0.00	LOT
-----------	--	--------	--------	--------	------	-----

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1620	1.39	25.0		GLYDRIL MC	
2476	1.55	31.0		GLYDRIL MC	
2726	1.54	29.0		GLYDRIL MC	
2864	1.55	32.0		GLYDRIL MC	
3535	1.45	32.0		VERSAVERT	
3940	1.60	60.0		VERSAVERT	
3940	1.58	36.0		VERSAVERT	
4096	1.60	61.0		VERSAVERT	
5120	1.60	56.0		VERSAVERT	