



Generell informasjon

Brønnbane navn	30/3-6 S
Type	EXPLORATION
Formål	WILDCAT
Status	RE-CLASS TO DEV
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	VESLEFRIKK
Funn	30/3-6 S
Brønn navn	30/3-6
Seismisk lokalisering	ST 8513-46 & CDP 320
Utvinningstillatelse	052
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	777-L
Boreinnretning	VESLEFRIKK A
Boredager	71
Borestart	26.12.1993
Boreslutt	06.03.1994
Frigitt dato	06.03.1996
Publiseringsdato	07.01.2015
Opprinnelig formål	WILDCAT
Reklassifisert til brønnbane	30/3-A-20
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	BRENT GP
Avstand, boredekk - midlere havflate [m]	57.0
Vanndybde ved midlere havflate [m]	175.0
Totalt målt dybde (MD) [m RKB]	6085.0
Totalt vertikalt dybde (TVD) [m RKB]	3766.0
Maks inklinasjon [°]	70
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	STATFJORD GP
Geodetisk datum	ED50
NS grader	60° 46' 57.87" N
ØV grader	2° 53' 51.95" E



NS UTM [m]	6738752.13
ØV UTM [m]	494432.47
UTM sone	31
NPDID for brønnbanen	2269

Brønnhistorie

General

Well 30/3-6 S was drilled from the fixed installation Veslefrikk A. The Veslefrikk Field is located on the Brage Horst north of the Oseberg Field in the North Sea. The objective of 30/3-6 S was to test the hydrocarbon potential in the I-prospect within the Brent, Dunlin and Statfjord reservoirs. The I-prospect is located on a down-faulted drag structure just southwest of the main Veslefrikk field.

Operations and results

Well 30/3-6 S was spudded from slot number 20 on the fixed installation Veslefrikk A. The drilling phase was from 26 December 1993 to 6 March 1994. The well was drilled in a southwesterly direction from Veslefrikk A, and it has an S-shape wellbore with maximum inclination of 70°. Due to missing well logs for the upper part of the well, lithostratigraphy for this part of the well is not supplied.

The well encountered hydrocarbons in the Brent Group down to the middle of the Oseberg Formation, and found a significantly thicker Jurassic sequence than anticipated.

Seven cores were cut between 5241 m and 5478.6 m, covering the Tarbert, Ness, and Eive Formations. Core recoveries from 86% to 100% was obtained. The RFT tool was run for pressure points, but no fluid samples were taken.

Exploration well 30/3-6 S is classified as a Brent Group oil and gas discovery. As the discovery was economic favourably, the well was completed permanently as oil producer, and on 20 April 1994 it was re-classified to development well 30/3-A-20.

Testing

Two tests were performed in the Oseberg Formation.

Reservoir Unit B2C was tested in test 1 from 5580 m to 5598 m (3229.2 m to 3244.1 m TVD MSL). It produced 310 Sm³ volatile oil/day with a GOR of 282 Sm³/Sm³.

Reservoir Unit B3 was tested in test 2 from 5503 m to 5530 m (3168.6 m to 3189.2 m TVD MSL). It produced 512000 Sm³ gas/day with a GOR of 1160 Sm³/Sm³.

Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	5241.0	5265.5	[m]
2	5294.0	5313.7	[m]



3	5315.0	5323.0	[m]
4	5328.0	5340.8	[m]
5	5341.0	5356.4	[m]
6	5359.0	5386.1	[m]
7	5451.0	5478.6	[m]

Total kjerneprøve lengde [m]	135.0
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



5241-5246m



5246-5251m



5251-5256m



5256-5261m



5261-5265m



5294-5299m



5299-5304m



5304-5309m



5309-5313m



5315-5320m



5320-5323m



5328-5333m



5333-5338m



5338-5340m



5341-5346m



5346-5351m



5351-5356m



5356-5356m



5359-5364m



5364-5369m



5369-5374m



5374-5379m



5379-5384m



5384-5386m



5451-5456m



5456-5461m



5461-5466m



5466-5471m



5471-5476m



5476-5478m

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
5214	BRENT GP
5214	TARBERT FM
5299	NESS FM
5442	ETIVE FM
5481	RANNOCH FM
5503	OSEBERG FM
5688	DUNLIN GP
5688	DRAKE FM
5823	COOK FM
5897	AMUNDSEN FM
6027	STATFJORD GP

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
2269_30_3_6_S_Completion_log	pdf	2.13
2269_30_3_6_S_Completion_report	pdf	11.14

Logger





Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL-VDL-GR	4645	6002
LDL CNL BHC DITE GR	5110	6085
MWD - SLIM EWR P4 DGR	5140	6085
MWD DGR GR	473	6085
MWD GR	5140	6068
RFT HP GR	5223	5633
VSP	4975	6007

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	20	619.0	24	625.0	0.00	
SURF.COND.	13 3/8	2036.0	17 1/2	2041.0	0.00	
INTERM.	9 5/8	3836.0	12 1/4	3876.0	1.70	FIT
INTERM.	7	5139.0	8 1/2	5140.0	1.65	
OPEN HOLE		6085.0	6	6085.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
469	1.10			WATER BASED	28.12.1993
497	1.17	18.0	11.0	WATER BASED	30.12.1993
497	1.17	20.0	9.5	WATER BASED	30.12.1993
819	1.21	17.0	12.0	WATER BASED	03.01.1994
1305	1.28	15.0	10.5	WATER BASED	03.01.1994
1617	1.28	14.0	11.5	WATER BASED	03.01.1994
2041	1.28	14.0	10.5	WATER BASED	05.01.1994
2041	1.28	13.0	9.5	WATER BASED	06.01.1994
2041	1.28	14.0	9.5	WATER BASED	07.01.1994
2041	1.28	14.0	10.0	WATER BASED	07.01.1994
2113	1.65	26.0	12.0	WATER BASED	10.01.1994
2809	1.65	24.0	13.0	WATER BASED	10.01.1994
2930	1.66	26.0	12.5	WATER BASED	10.01.1994
2930	1.66	29.0	14.0	WATER BASED	14.01.1994
2930	1.66	27.0	10.5	WATER BASED	14.01.1994



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 18:34

2930	1.66	24.0	12.5	WATER BASED	14.01.1994
2930	1.70	27.0	11.5	WATER BASED	17.01.1994
2930	1.70	27.0	10.5	WATER BASED	17.01.1994
2930	1.66	25.0	11.0	WATER BASED	17.01.1994
2930	1.68	24.0	13.0	WATER BASED	17.01.1994
2956	1.70	28.0	10.5	WATER BASED	19.01.1994
2956	1.70	26.0	11.0	WATER BASED	20.01.1994
2956	1.70	25.0	11.5	WATER BASED	20.01.1994
2956	1.70	27.0	11.0	WATER BASED	21.01.1994
3524	1.66	29.0	14.0	WATER BASED	14.01.1994
3669	1.66	24.0	12.5	WATER BASED	14.01.1994
3706	1.66	27.0	10.5	WATER BASED	14.01.1994
3706	1.66	25.0	11.0	WATER BASED	17.01.1994
3706	1.68	24.0	13.0	WATER BASED	17.01.1994
3749	1.70	27.0	11.5	WATER BASED	17.01.1994
3836	1.70	28.0	13.5	WATER BASED	24.01.1994
3836	1.70	39.0	10.0	OIL BASED	24.01.1994
3836	1.65	43.0	9.5	OIL BASED	24.01.1994
3854	1.70	27.0	10.5	WATER BASED	17.01.1994
3876	1.70	26.0	11.0	WATER BASED	20.01.1994
3876	1.70	27.0	11.0	WATER BASED	21.01.1994
3876	1.70	25.0	11.5	WATER BASED	20.01.1994
3876	1.70	28.0	10.5	WATER BASED	19.01.1994
4274	1.65	52.0	10.5	OIL BASED	25.01.1994
4303	1.65	58.0	12.5	OIL BASED	27.01.1994
4446	1.65	61.0	10.0	OIL BASED	27.01.1994
4795	1.65	56.0	7.5	OIL BASED	28.01.1994
4795	1.65	53.0	7.0	OIL BASED	01.02.1994
4795	1.65	52.0	6.5	OIL BASED	01.02.1994
4795	1.65	52.0	7.0	OIL BASED	01.02.1994
4850	1.65	56.0	7.5	OIL BASED	28.01.1994
5126	1.65	53.0	7.0	OIL BASED	01.02.1994
5140	1.65	52.0	7.0	OIL BASED	01.02.1994
5140	1.25	38.0	8.0	OIL BASED	07.02.1994
5140	1.65	52.0	6.5	OIL BASED	01.02.1994
5140	1.55	34.0	5.5	OIL BASED	03.02.1994
5140	1.55	46.0	5.5	OIL BASED	03.02.1994
5140	1.25	28.0	7.0	OIL BASED	07.02.1994
5140	1.25	42.0	8.0	OIL BASED	09.02.1994
5140	1.25	38.0	6.0	OIL BASED	09.02.1994



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 18:34

5140	1.25	37.0	6.5	OIL BASED	11.02.1994
5140	1.25	32.0	5.5	OIL BASED	15.02.1994
5140	1.25	31.0	5.5	OIL BASED	15.02.1994
5140	1.25	32.0	5.5	OIL BASED	16.02.1994
5140	1.25	33.0	5.0	OIL BASED	17.02.1994
5140	1.25	38.0	5.5	OIL BASED	17.02.1994
5140	1.25	35.0	5.5	OIL BASED	22.02.1994
5140	1.25	39.0	6.0	OIL BASED	22.02.1994
5140	1.25	37.0	7.0	OIL BASED	22.02.1994
5140	1.25	42.0	7.0	OIL BASED	23.02.1994
5140	1.25	40.0	7.0	OIL BASED	23.02.1994
5140	1.25	36.0	5.5	OIL BASED	24.02.1994
5140	1.25	38.0	6.0	OIL BASED	25.02.1994
5140	1.25	36.0	5.5	OIL BASED	28.02.1994
5140	1.55	37.0	5.5	OIL BASED	03.02.1994
5140	1.25	37.0	6.0	OIL BASED	04.02.1994
5140	1.25	37.0	8.0	OIL BASED	07.02.1994
5140	1.25	36.0	6.5	OIL BASED	11.02.1994
5140	1.25	40.0	6.5	OIL BASED	15.02.1994
5140	1.25	39.0	6.5	OIL BASED	22.02.1994
5140	1.25	41.0	7.5	OIL BASED	28.02.1994
5140	1.25	42.0	8.0	OIL BASED	01.03.1994
5140	1.25	41.0	6.0	OIL BASED	02.03.1994
5140	1.25	35.0	5.0	OIL BASED	04.03.1994
5194	1.25	42.0	8.0	OIL BASED	09.02.1994
5241	1.25	37.0	8.0	OIL BASED	07.02.1994
5267	1.25	38.0	8.0	OIL BASED	07.02.1994
5315	1.25	38.0	6.0	OIL BASED	09.02.1994
5328	1.25	36.0	6.5	OIL BASED	11.02.1994
5359	1.25	37.0	6.5	OIL BASED	11.02.1994
5386	1.25	40.0	6.5	OIL BASED	15.02.1994
5410	1.25	32.0	5.5	OIL BASED	15.02.1994
5451	1.25	31.0	5.5	OIL BASED	15.02.1994
5514	1.25	32.0	5.5	OIL BASED	16.02.1994
5585	1.25	33.0	5.0	OIL BASED	17.02.1994
5643	1.25	38.0	5.5	OIL BASED	17.02.1994
5732	1.25	35.0	5.5	OIL BASED	22.02.1994
5837	1.25	39.0	6.0	OIL BASED	22.02.1994
5932	1.25	39.0	6.5	OIL BASED	22.02.1994
6061	1.25	37.0	7.0	OIL BASED	22.02.1994



6085	1.25	42.0	7.0	OIL BASED	23.02.1994
6085	1.25	36.0	5.5	OIL BASED	28.02.1994
6085	1.25	38.0	6.0	OIL BASED	25.02.1994
6085	1.25	36.0	5.5	OIL BASED	24.02.1994
6085	1.25	40.0	7.0	OIL BASED	23.02.1994
6085	1.25	35.0	5.0	OIL BASED	04.03.1994
6085	1.25	33.0	5.5	OIL BASED	04.03.1994
6085	1.25	33.0	5.5	OIL BASED	04.03.1994
6085	1.10			DUMMY	08.03.1994
6085	1.10			DUMMY	11.03.1994
6085	1.10			DUMMY	15.03.1994
6085	1.10			DUMMY	15.03.1994
6085	1.10			DUMMY	15.03.1994
6085	1.10			DUMMY	15.03.1994
6085	1.10			DUMMY	17.03.1994
6085	1.25	41.0	6.0	OIL BASED	02.03.1994
6085	1.25	41.0	7.5	OIL BASED	28.02.1994
6085	1.25	42.0	8.0	OIL BASED	01.03.1994
6085	1.10			DUMMY	11.03.1994
6085	1.10			DUMMY	16.03.1994

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 brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
2269 Formation pressure (Formasjonstrykk)	pdf	0.21

