

General information

Field name	DRAUGEN
Factmaps in new window	link
Current activity status	Producing
Discovery wellbore	6407/9-1
Discovery year.	1984
Main area	Norwegian Sea
Main supply base	Kristiansund
NPDID field	43758

Picture**Discoveries included**

Discovery name
6407/9-1 Draugen

Activity status - history

Status	Status from	Status to
Producing	19.10.1993	
Approved for production	19.12.1988	18.10.1993

Located in

Block name	Prod. licence
6407/9	093
6407/12	176

Owner - current

Owner kind	Owner name
PRODUCTION LICENSE	093

Operatorship - current

Company name
OKEA ASA

Licenseses - current



Company name	Nation code	Company share [%]
Petoro AS	NO	47.880000
OKEA ASA	NO	44.560000
Neptune Energy Norge AS	NO	7.560000

The NPD estimate for reserves (Norwegian share)

Valid date: 31.12.2019

Orig. recoverable oil [mill Sm3]	Orig. recoverable gas [bill Sm3]	Orig. recoverable NGL [mill tonn]	Orig. recoverable cond. [mill Sm3]	Orig. recoverable oil eq. [mill Sm3 o.e]
151.17	1.68	2.64	0.00	157.87

Remaining oil [mill Sm3]	Remaining gas [bill Sm3]	Remaining NGL [mill tonn]	Remaining cond. [mill Sm3]	Remaining oil eq. [mill Sm3 o.e]
9.41	0.00	0.02	0.00	9.45

Orig. inplace oil [mill Sm3]	Orig. inplace ass. liquid [mill Sm3]	Orig. inplace ass. gas [bill Sm3]	Orig. inplace free gas [bill Sm3]
224.00	0.00	12.00	0.00

Description

Type	Text	Date updated
Development	Draugen is a field in the southern part of the Norwegian Sea. The water depth is 250 metres. Draugen was discovered in 1984, and the plan for development and production (PDO) was approved in 1988. The field has been developed with a concrete fixed facility and integrated topside, and has both platform and subsea wells. Stabilised oil is stored in tanks at the base of the facility. Two pipelines connect the facility to a floating loading-buoy. Production started in 1993.	12.02.2020
Reservoir	Draugen produces oil from two formations. The main reservoir is in sandstone of Late Jurassic age in the Rogn Formation. The western part of the field also produces from sandstone of Middle Jurassic age in the Garn Formation. The reservoirs lie at a depth of 1,600 metres. They are relatively homogeneous, with good reservoir quality.	16.03.2018
Recovery	The field is produced by pressure maintenance from water injection and by aquifer support.	11.04.2017
Transport	The oil is offloaded via a floating loading-buoy and exported by tankers. The associated gas was earlier transported via the Åsgard Transport System (ÅTS) to the Kårstø terminal, but is now used for power generation on the platform.	25.04.2019



Status	With declining oil production, sufficient volumes of associated gas will not be available for power generation, and alternative solutions are therefore being evaluated. The gas discovery 6407/9-9 (Hasselmus) is under evaluation for subsea tie-back to the Draugen platform. Identification and maturing of infill targets is ongoing in order to increase the recovery from the field. A lifetime extension for the facility is required to maintain the forecasted production profile.	25.02.2020
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Investments (expected)

Future investments from 2019 [mill NOK 2019-kroner] : 4651

Investments (historical)

	Investments [mill NOK nominal values]
Sum	39884
2018	538
2017	659
2016	1463
2015	2331
2014	3899
2013	5455
2012	2248
2011	1082
2010	707
2009	773
2008	1198
2007	622
2006	399
2005	216
2004	334
2003	495
2002	737
2001	1068
2000	479
1999	632
1998	158
1997	190
1996	625
1995	430
1994	1021
1993	3262
1992	2900
1991	2795



1990	2443
1989	494
1988	231

Production , saleable

	Month	Net - oil [mill Sm3]	Net - gas [bill Sm3]	Net - condensate [mill Sm3]	Net - NGL [mill Sm3]	Net - oil equivalents [mill Sm3]
Sum		142.406197	1.688915	0.000000	5.011976	149.107088
2020		0.646999	0.003487	0.000000	0.024570	0.675056
2019		1.130217	0.004800	0.000000	0.047402	1.182419
2018		1.159518	0.007610	0.000000	0.050445	1.217573
2017		1.338890	0.011872	0.000000	0.065700	1.416462
2016		1.277026	0.013766	0.000000	0.065243	1.356035
2015		1.721143	0.022687	0.000000	0.098852	1.842682
2014		1.805296	0.029760	0.000000	0.111277	1.946333
2013		1.468917	0.025648	0.000000	0.090253	1.584818
2012		2.024476	0.037562	0.000000	0.132398	2.194436
2011		2.172721	0.041837	0.000000	0.142457	2.357015
2010		2.408678	0.045595	0.000000	0.150315	2.604588
2009		3.398437	0.074957	0.000000	0.237232	3.710626
2008		4.040166	0.092387	0.000000	0.272544	4.405097
2007		4.123915	0.098591	0.000000	0.281954	4.504460
2006		4.549423	0.119453	0.000000	0.332927	5.001803
2005		6.018277	0.162282	0.000000	0.448001	6.628560
2004		7.807301	0.197171	0.000000	0.556309	8.560781
2003		7.434185	0.166204	0.000000	0.494580	8.094969
2002		11.067192	0.239266	0.000000	0.641516	11.947974
2001		11.859188	0.273509	0.000000	0.733525	12.866222
2000		11.744167	0.020471	0.000000	0.034476	11.799114
1999		12.138986	0.000000	0.000000	0.000000	12.138986
1998		11.194119	0.000000	0.000000	0.000000	11.194119
1997		10.451611	0.000000	0.000000	0.000000	10.451611
1996		8.444343	0.000000	0.000000	0.000000	8.444343
1995		6.970890	0.000000	0.000000	0.000000	6.970890
1994		3.886982	0.000000	0.000000	0.000000	3.886982
1993		0.123134	0.000000	0.000000	0.000000	0.123134

Production , sum wellbores



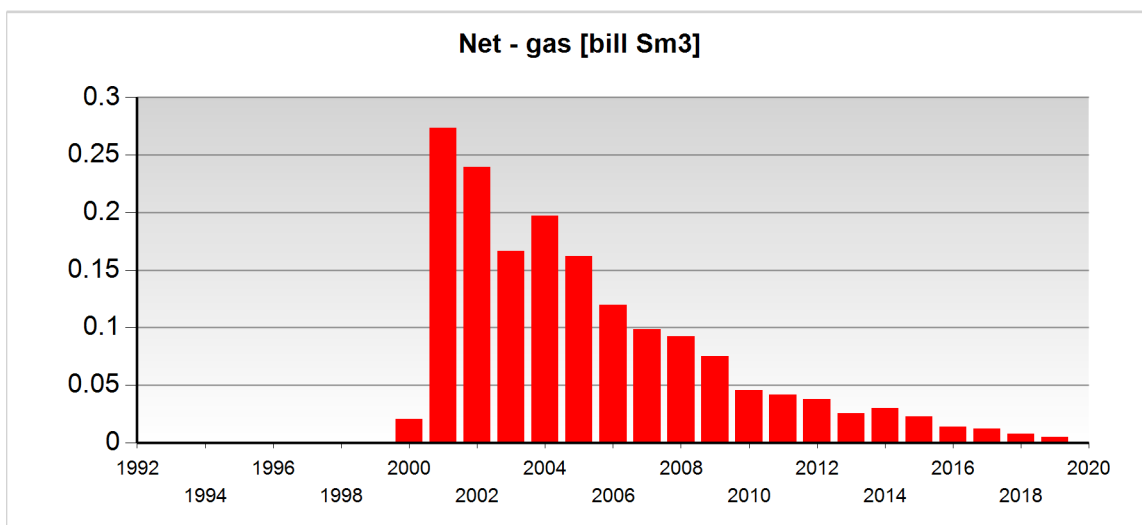
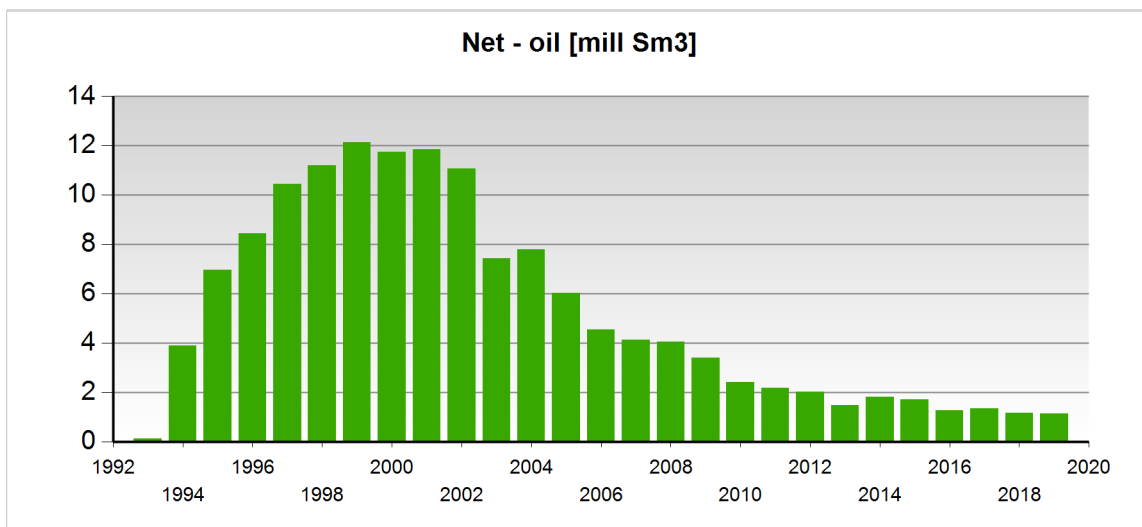
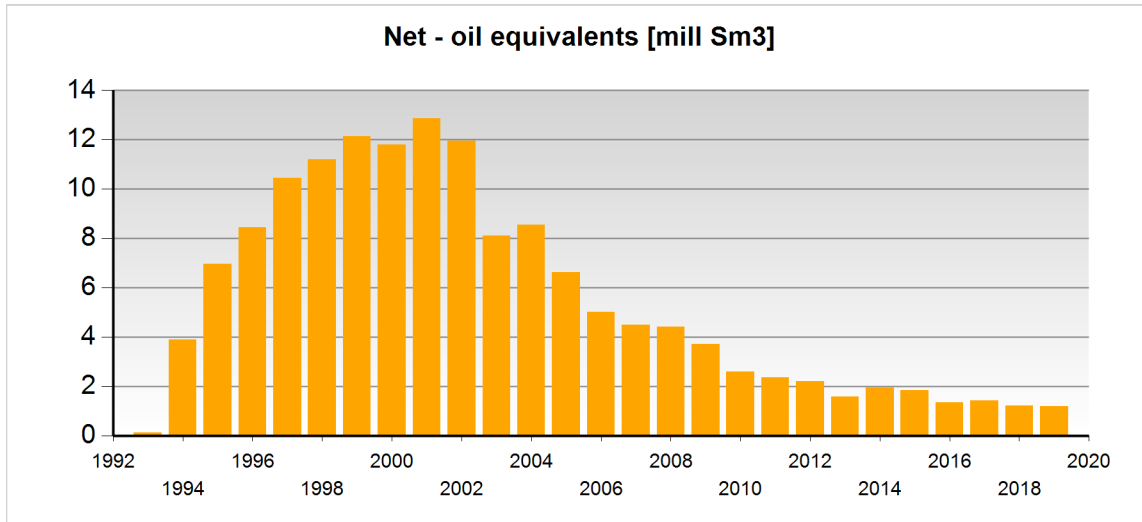
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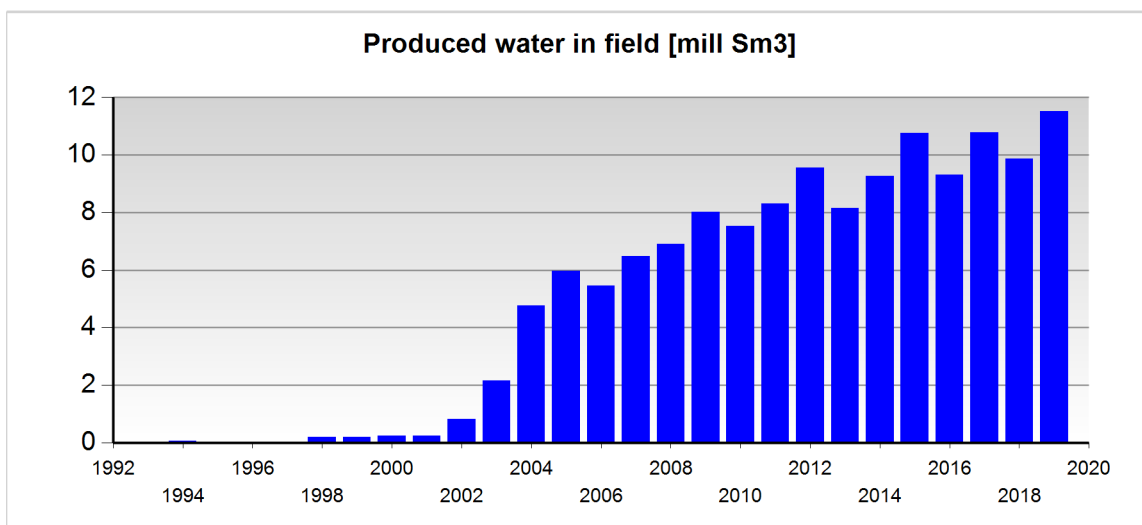
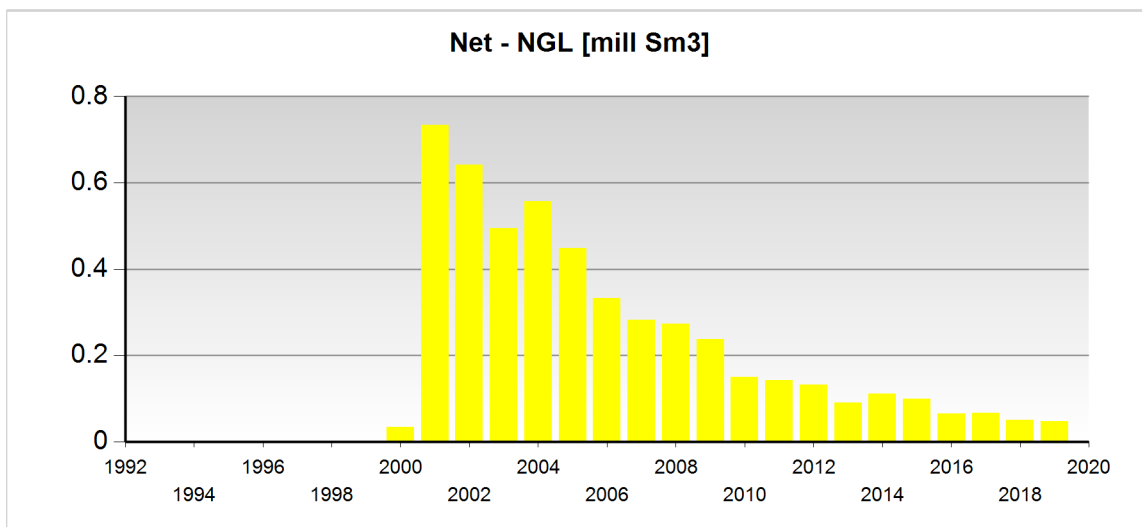
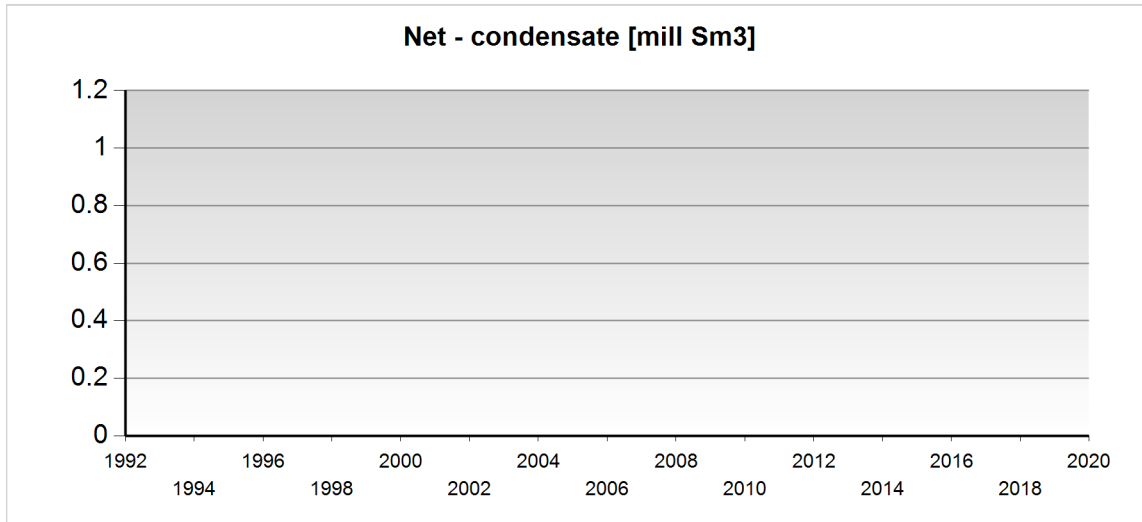
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	Month	Gross - oil [mill Sm3]	Gross - gas [bill Sm3]	Gross - condensate [mill Sm3]	Gross - oil equivalents [mill Sm3]
Sum		142.406197	7.897865	0.000000	150.304062
2020		0.646999	0.036799	0.000000	0.683798
2019		1.130217	0.068300	0.000000	1.198517
2018		1.159518	0.067195	0.000000	1.226713
2017		1.338890	0.080381	0.000000	1.419271
2016		1.277026	0.076460	0.000000	1.353486
2015		1.721143	0.099787	0.000000	1.820930
2014		1.805296	0.108012	0.000000	1.913308
2013		1.468917	0.090977	0.000000	1.559894
2012		2.024476	0.123899	0.000000	2.148375
2011		2.172721	0.128185	0.000000	2.300906
2010		2.408678	0.142681	0.000000	2.551359
2009		3.398437	0.194291	0.000000	3.592728
2008		4.040166	0.225351	0.000000	4.265517
2007		4.123915	0.240300	0.000000	4.364215
2006		4.549423	0.274292	0.000000	4.823715
2005		6.018277	0.350192	0.000000	6.368469
2004		7.807301	0.441990	0.000000	8.249291
2003		7.434185	0.419651	0.000000	7.853836
2002		11.067192	0.628521	0.000000	11.695713
2001		11.859188	0.662982	0.000000	12.522170
2000		11.744167	0.671743	0.000000	12.415910
1999		12.138986	0.639174	0.000000	12.778160
1998		11.194119	0.549784	0.000000	11.743903
1997		10.451611	0.547384	0.000000	10.998995
1996		8.444343	0.457277	0.000000	8.901620
1995		6.970890	0.367240	0.000000	7.338130
1994		3.886982	0.199190	0.000000	4.086172
1993		0.123134	0.005827	0.000000	0.128961

Production - charts





Any produced water is only included after 1.1.2000

Wellbores - exploration



Wellbore name	Entered date	Completed date	Purpose	Status	Content
6407/9-1	26.06.1984	07.09.1984	WILDCAT	P&A	OIL
6407/9-2	18.11.1984	02.02.1985	APPRAISAL	P&A	OIL
6407/9-3	03.05.1985	28.07.1985	APPRAISAL	RE-CLASS TO DEV	OIL
6407/9-4	04.07.1985	10.09.1985	APPRAISAL	P&A	OIL
6407/9-5	12.09.1985	13.11.1985	APPRAISAL	RE-CLASS TO DEV	OIL
6407/9-6	02.01.1986	13.03.1986	APPRAISAL	SUSPENDED	OIL
6407/9-6 R	19.05.1993	30.05.1993	APPRAISAL	P&A	OIL
6407/9-10	11.06.2003	23.06.2003	APPRAISAL	RE-CLASS TO DEV	OIL
6407/9-12	16.10.2019	08.11.2019	APPRAISAL	P&A	DRY
6407/12-1	07.07.1999	15.07.1999	APPRAISAL	P&A	OIL

Wellbores - development

Wellbore name	Entered date	Completed date	Purpose	Content
6407/9-11	19.10.2019	29.10.2019	OBSERVATION	OIL
6407/9-A-1	07.03.1994	12.05.1994	PRODUCTION	OIL
6407/9-A-2	19.09.1994	31.10.1994	OBSERVATION	NOT APPLICABLE
6407/9-A-2 A	05.11.1994	24.11.1994	PRODUCTION	OIL
6407/9-A-3	11.11.1995	15.12.1995	PRODUCTION	OIL
6407/9-A-4	03.06.1999	08.08.1999	OBSERVATION	NOT APPLICABLE
6407/9-A-4 A	11.08.1999	02.10.1999	PRODUCTION	OIL
6407/9-A-5	21.09.1995	01.11.1995	PRODUCTION	OIL
6407/9-A-6	29.05.1994	18.07.1994	PRODUCTION	OIL
6407/9-A-53 H	05.04.1993	08.11.1993	PRODUCTION	OIL
6407/9-A-55 H	08.04.1993	26.04.1993	OBSERVATION	NOT APPLICABLE
6407/9-A-55 AH	26.04.1993	11.05.1993	PRODUCTION	OIL
6407/9-A-58 H	09.06.1993	23.06.1993	INJECTION	GAS
6407/9-B-1 H	10.08.1993	23.08.1993	INJECTION	WATER
6407/9-B-2 H	19.07.1993	08.04.1994	INJECTION	WATER
6407/9-B-5 H	27.07.1993	27.04.1994	INJECTION	WATER
6407/9-C-1 H	27.09.1993	12.12.1993	INJECTION	WATER
6407/9-C-2 H	15.10.1993	27.12.1993	INJECTION	WATER
6407/9-D-1 H	23.05.2001	30.05.2001	OBSERVATION	NOT APPLICABLE
6407/9-D-1 AH	31.05.2001	02.07.2001	PRODUCTION	OIL
6407/9-D-2 H	08.06.2001	18.06.2001	PRODUCTION	OIL
6407/9-D-3 H	14.02.2008	22.03.2008	PRODUCTION	OIL
6407/9-E-1 H	04.05.2002	28.06.2002	PRODUCTION	OIL



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Field

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6407/9-E-2 H	09.05.2002	10.06.2002	PRODUCTION	OIL
6407/9-E-3 H	22.11.2007	04.01.2008	PRODUCTION	OIL
6407/9-E-4 H	11.06.2013	29.09.2013	PRODUCTION	OIL
6407/9-F-1 H	11.06.2003	23.06.2003	OBSERVATION	
6407/9-G-1 H	11.05.2014	30.05.2014	PRODUCTION	OIL
6407/9-G-2 H	08.07.2014	23.07.2014	PRODUCTION	OIL
6407/9-G-3 H	11.06.2014	25.06.2014	PRODUCTION	OIL
6407/9-G-5 H	11.06.2015	08.07.2015	PRODUCTION	OIL

Wellbores - other

Wellbore name	Entered date	Completed date	Purpose	Status
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