

General information

Field name	JOHAN SVERDRUP
Factmaps in new window	link
Current activity status	Producing
Discovery wellbore	16/2-6
Discovery year.	2010
Main area	North Sea
Main supply base	Dusavik
NPDID field	26376286

Picture

Picture not available

Discoveries included

Discovery name
16/2-6 Johan Sverdrup

Activity status - history

Status	Status from	Status to
Producing	05.10.2019	
Approved for production	18.06.2015	04.10.2019

Located in

Block name	Prod. licence
16/2	265
16/2	501
16/3	501
16/3	501 B
16/5	502

Owner - current

Owner kind	Owner name
BUSINESS ARRANGEMENT AREA	JOHAN SVERDRUP UNIT

Operatorship - current

Company name
Equinor Energy AS

Licensees - current



Company name	Nation code	Company share [%]
Equinor Energy AS	NO	42.626700
Lundin Energy Norway AS	NO	20.000000
Petoro AS	NO	17.360000
Aker BP ASA	NO	11.573300
Total E&P Norge AS	NO	8.440000

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]
406.59	10.24	4.50	0.00	425.38

Remaining oil [mill Sm3]	Remaining gas [bill Sm3]	Remaining NGL [mill tonn]	Remaining cond. [mill Sm3]	Remaining oil eq. [mill Sm3 o.e]
402.86	10.12	4.45	0.00	421.44

Orig. inplace oil [mill Sm3]	Orig. inplace ass. liquid [mill Sm3]	Orig. inplace ass. gas [bill Sm3]	Orig. inplace free gas [bill Sm3]
615.00	0.00	23.00	0.00

Description

Type	Text	Date updated
Development	Johan Sverdrup is a field on the Utsira High in the central part of the North Sea, 65 kilometres northeast of the Sleipner fields. The water depth is 115 metres. Johan Sverdrup was discovered in 2010 and the plan for development and operation (PDO) for Phase I was approved in 2015. The development solution for the first development phase is a field centre with four specialised platforms: living quarters, process, drilling and riser facilities. The four platforms are connected by bridges. The drilling platform has 48 well slots and is prepared for simultaneous drilling, well intervention and production. The field will be operated with power from shore throughout its lifetime. The PDO for Phase II was approved in May 2019. The development solution for the second phase comprises a process platform and five subsea templates. Modification work will in addition be performed on the riser platform.	13.02.2020



Reservoir	The main reservoir contains oil in Upper Jurassic intra-Draupne sandstone and lies at a depth of 1,900 metres. The quality of the main reservoir is excellent with very high permeability. The remaining oil resources are in sandstone in the Upper Triassic Staffjord Group and Middle to Upper Jurassic Vestland Group, as well as in spiculites in the Upper Jurassic Viking Group. Oil was also proven in Permian Zechstein carbonates.	06.10.2019
Recovery	The field is produced by water injection as pressure support, as well as gas lift in the production wells. In the first development phase, production wells are placed centrally, high up in the thickest parts of the reservoirs. The water injection wells are placed near the oil-water contact. The distance between the production and injection wells is typically between four and five kilometres. In the second development phase, production and injection wells will be placed in the less central parts of the field.	06.10.2019
Transport	Stabilised oil is exported from the riser platform through a new oil export pipeline that is connected to existing underground storage caverns at the Mongstad terminal. The gas is exported from the riser platform to the Kårstø terminal through a new pipeline connected to Statpipe.	13.02.2020
Status	Johan Sverdrup started production in October 2019. The oil production reached a level of about 350,000 barrels per day and a further increase is expected in 2020. Development of Phase II is ongoing, and when production from this phase starts up in 2022, the field is expected to produce 660,000 barrels per day.	25.02.2020

Investments (expected)

Future investments from 2019 [mill NOK 2019-kroner] : 72940

Investments (historical)

	Investments [mill NOK nominal values]
Sum	68364
2018	16519
2017	21855
2016	22246
2015	7744
2014	0

Production , saleable

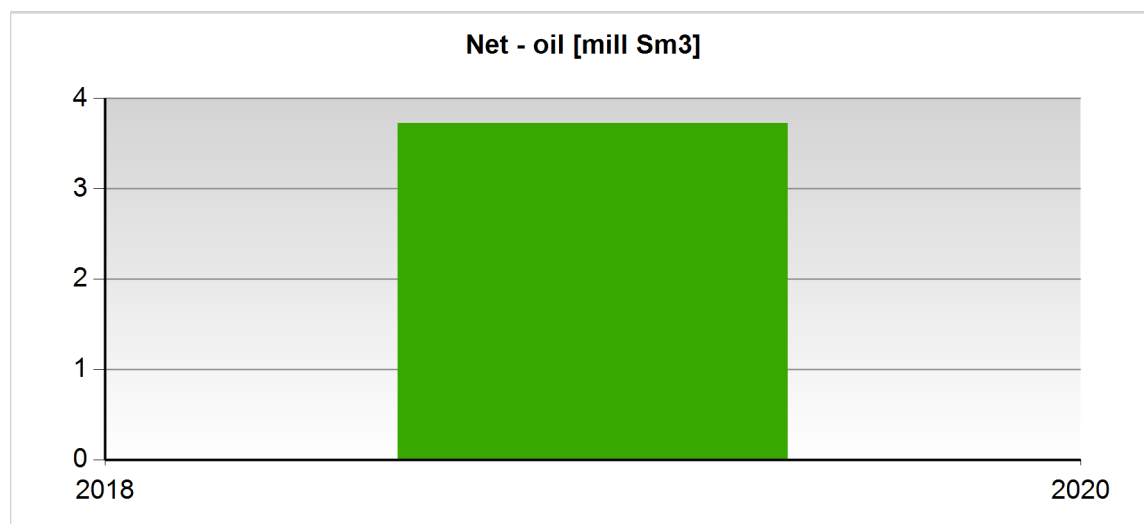
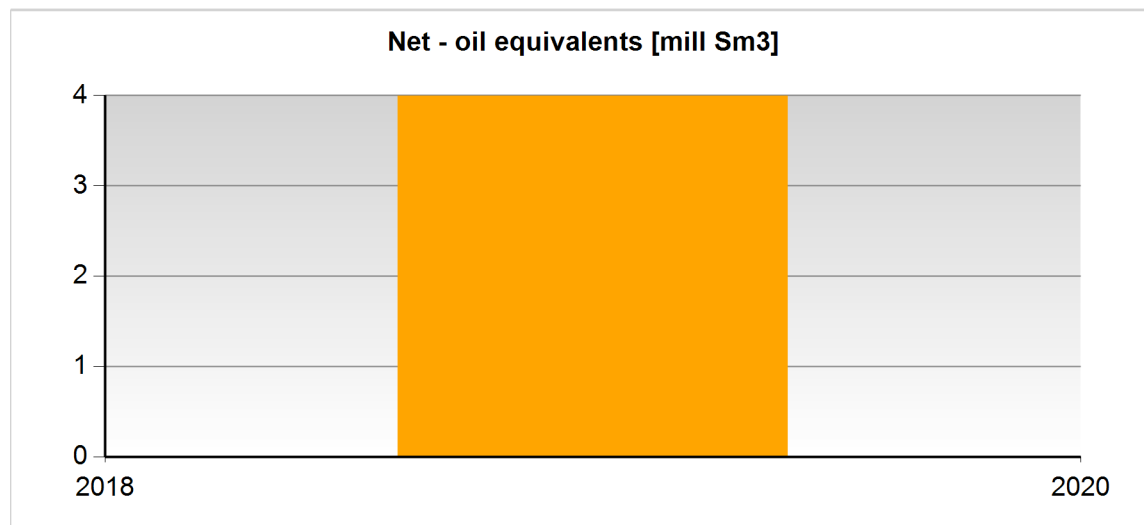
	Month	Net - oil [mill Sm3]	Net - gas [bill Sm3]	Net - condensate [mill Sm3]	Net - NGL [mill Sm3]	Net - oil equivalents [mill Sm3]
Sum		19.439797	0.676267	0.000000	0.645883	20.761947
2020		15.715961	0.542202	0.000000	0.509860	16.768023
2019		3.723836	0.134065	0.000000	0.136023	3.993924

Production , sum wellbores

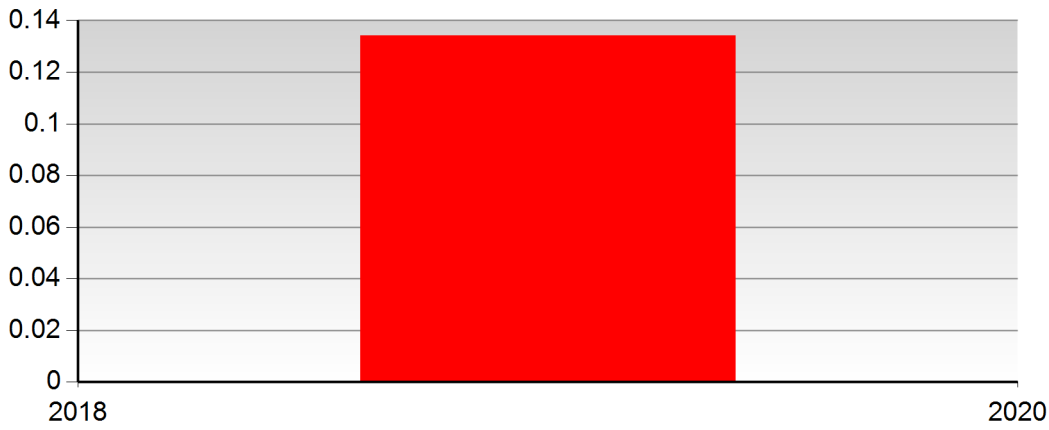


	Month	Gross - oil [mill Sm3]	Gross - gas [bill Sm3]	Gross - condensate [mill Sm3]	Gross - oil equivalents [mill Sm3]
Sum		19.567571	0.881199	0.000000	20.448770
2020		15.676560	0.703475	0.000000	16.380035
2019		3.891011	0.177724	0.000000	4.068735

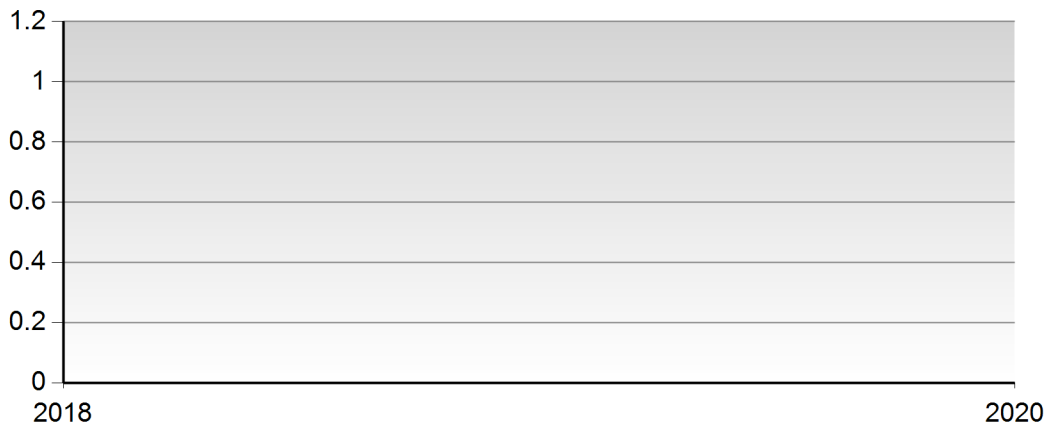
Production - charts



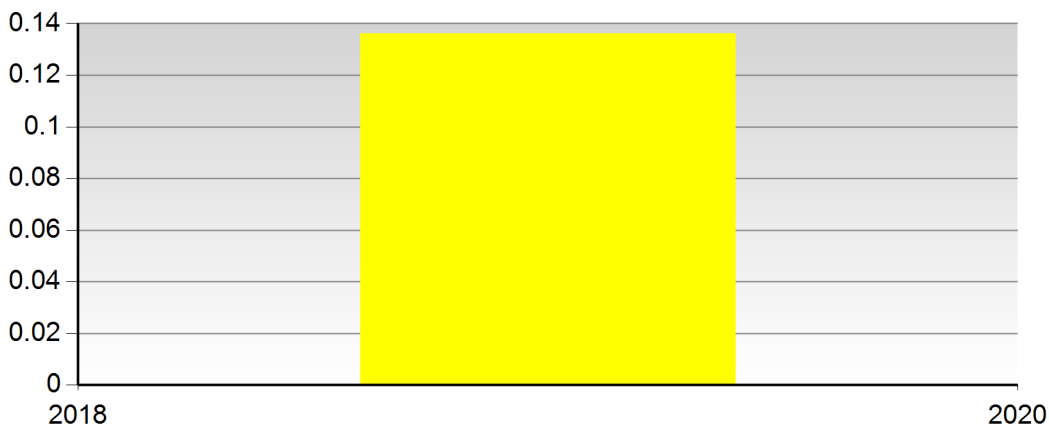
Net - gas [bill Sm3]

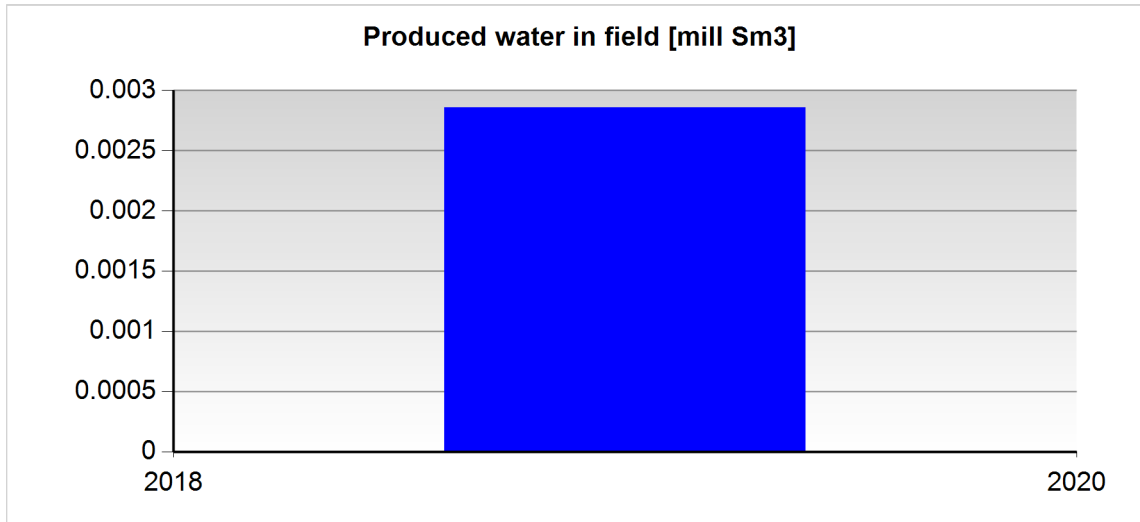


Net - condensate [mill Sm3]



Net - NGL [mill Sm3]





Any produced water is only included after 1.1.2000

Wellbores - exploration

Wellbore name	Entered date	Completed date	Purpose	Status	Content
16/2-6	20.07.2010	20.09.2010	WILDCAT	P&A	OIL
16/2-7	19.07.2011	01.09.2011	APPRAISAL	P&A	OIL
16/2-7 A	02.09.2011	29.09.2011	APPRAISAL	P&A	OIL
16/2-8	17.07.2011	19.08.2011	APPRAISAL	P&A	OIL
16/2-9 S	21.08.2011	24.09.2011	APPRAISAL	P&A	OIL
16/2-10	27.09.2011	28.10.2011	APPRAISAL	P&A	OIL
16/2-11	03.02.2012	29.03.2012	APPRAISAL	P&A	OIL
16/2-11 A	29.03.2012	04.05.2012	APPRAISAL	P&A	OIL
16/2-12	25.07.2012	06.09.2012	APPRAISAL	P&A	OIL
16/2-13 A	30.08.2012	29.09.2012	APPRAISAL	P&A	OIL
16/2-13 S	24.07.2012	30.08.2012	APPRAISAL	P&A	OIL
16/2-14	14.09.2012	17.11.2012	APPRAISAL	P&A	OIL
16/2-15	21.11.2012	13.01.2013	APPRAISAL	P&A	OIL
16/2-16	11.11.2012	12.12.2012	APPRAISAL	P&A	OIL
16/2-16 A	13.12.2012	07.02.2013	APPRAISAL	P&A	OIL
16/2-17 B	20.05.2013	16.06.2013	APPRAISAL	P&A	SHOWS
16/2-17 S	24.03.2013	20.05.2013	APPRAISAL	P&A	OIL
16/2-19	01.03.2014	03.04.2014	APPRAISAL	P&A	OIL
16/2-19 A	03.04.2014	03.05.2014	APPRAISAL	P&A	OIL
16/2-21	05.05.2013	07.06.2013	APPRAISAL	P&A	OIL
16/2-22 A			APPRAISAL	WILL NEVER BE DRILLED	
16/2-22 S	16.01.2017	28.01.2017	APPRAISAL	P&A	OIL
16/3-4	16.05.2011	28.06.2011	APPRAISAL	P&A	OIL
16/3-4 A	28.06.2011	18.07.2011	APPRAISAL	P&A	OIL
16/3-5	04.01.2013	07.03.2013	APPRAISAL	P&A	OIL
16/3-6	10.06.2013	16.07.2013	APPRAISAL	P&A	OIL



16/3-7	30.09.2013	08.11.2013	APPRAISAL	P&A	OIL SHOWS
16/3-8 A	18.03.2014	01.04.2014	APPRAISAL	P&A	OIL
16/3-8 S	01.01.2014	16.03.2014	APPRAISAL	P&A	OIL
16/5-2 S	28.11.2011	28.01.2012	APPRAISAL	P&A	OIL SHOWS
16/5-3	20.02.2013	20.03.2013	APPRAISAL	P&A	OIL
16/5-4	23.08.2013	28.09.2013	APPRAISAL	P&A	OIL

Wellbores - development

Wellbore name	Entered date	Completed date	Purpose	Content
16/2-D-1			PRODUCTION	
16/2-D-2			PRODUCTION	
16/2-D-3			PRODUCTION	
16/2-D-4			PRODUCTION	
16/2-D-5			PRODUCTION	
16/2-D-6	24.02.2020	30.03.2020	PRODUCTION	OIL
16/2-D-7			PRODUCTION	
16/2-D-8			PRODUCTION	
16/2-D-9	21.04.2016	25.06.2016	PRODUCTION	OIL
16/2-D-10	14.04.2016	14.08.2016	PRODUCTION	OIL
16/2-D-11	04.03.2016	31.03.2016	PRODUCTION	OIL
16/2-D-12	24.04.2016	05.06.2016	PRODUCTION	OIL
16/2-D-13	10.04.2016	02.08.2016	PRODUCTION	OIL
16/2-D-14	21.08.2016	01.11.2016	PRODUCTION	OIL
16/2-D-15	17.04.2016	15.07.2016	PRODUCTION	OIL
16/2-D-16	25.08.2016	25.10.2016	PRODUCTION	OIL
16/2-D-17			PRODUCTION	
16/2-D-18	08.01.2020	09.02.2020	PRODUCTION	OIL
16/2-D-19			PRODUCTION	
16/2-D-20	15.04.2020	23.05.2020	PRODUCTION	OIL
16/2-D-22			OBSERVATION	
16/2-D-23	11.08.2020	14.09.2020	PRODUCTION	OIL
16/2-D-32			PRODUCTION	
16/2-D-41	25.06.2020	29.07.2020	INJECTION	WATER/GAS
16/2-D-42	06.10.2020		INJECTION	
16/2-D-46			INJECTION	
16/2-E-1 H	12.06.2017	07.08.2017	INJECTION	WATER/GAS
16/2-E-2 H	09.06.2017	02.07.2017	INJECTION	WATER/GAS
16/2-E-3 H	21.07.2017	31.07.2017	INJECTION	WATER/GAS
16/2-E-4 H	10.08.2018	27.08.2018	INJECTION	WATER/GAS
16/2-F-11 H	13.02.2017	07.03.2017	INJECTION	WATER/GAS
16/2-F-12 H	10.03.2017	08.05.2017	INJECTION	WATER/GAS
16/2-F-13 H	15.03.2017	23.05.2017	INJECTION	WATER/GAS



16/2-F-14 H	13.03.2017	09.04.2017	INJECTION	WATER/GAS
16/2-G-1 H	07.08.2018	19.09.2018	INJECTION	WATER/GAS
16/2-G-2 H	20.02.2018	13.03.2018	INJECTION	WATER/GAS
16/2-G-3 H	21.08.2017	08.10.2017	INJECTION	WATER/GAS
16/2-G-4 H	25.08.2017	18.09.2017	INJECTION	WATER/GAS

Wellbores - other

Wellbore name	Entered date	Completed date	Purpose	Status
16/2-U-7	05.05.2014	07.05.2014	SHALLOW GAS	P&A
16/2-U-18	05.11.2016	28.11.2016	APPRAISAL	P&A
16/2-U-19	29.11.2016	12.12.2016	APPRAISAL	P&A
16/3-U-1	13.12.2016	24.12.2016	APPRAISAL	P&A
16/3-U-1 A	24.12.2016	10.01.2017	APPRAISAL	P&A
16/3-U-1 B	10.01.2017	15.01.2017	APPRAISAL	P&A