

**General information**

Wellbore name	34/10-55 S
Type	EXPLORATION
Purpose	WILDCAT
Status	PLUGGED
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Field	SINDRE
Discovery	34/10-55 S
Well name	34/10-55
Seismic location	
Production licence	050
Drilling operator	Statoil Petroleum AS
Drill permit	1649-L
Drilling facility	GULLFAKS C
Drilling days	47
Entered date	08.02.2017
Completed date	26.03.2017
Plugged date	26.03.2017
Release date	26.03.2019
Publication date	04.04.2019
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL/GAS
Discovery wellbore	YES
1st level with HC, age	EARLY JURASSIC
1st level with HC, formation	STATFJORD GP
2nd level with HC, age	LATE TRIASSIC
2nd level with HC, formation	LUNDE FM
Kelly bushing elevation [m]	84.1
Water depth [m]	217.0
Total depth (MD) [m RKB]	7811.0
Final vertical depth (TVD) [m RKB]	3811.0
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	LUNDE FM
Geodetic datum	ED50
NS degrees	61° 12' 54.7" N
EW degrees	2° 16' 26.88" E



NS UTM [m]	6787134.93
EW UTM [m]	461005.36
UTM zone	31
NPDID wellbore	8102

Wellbore history

General

Well 34/10-55 S was drilled from the Gullfaks C platform to a structure east of the Gimle field, about 7 kilometres northeast of the Gullfaks field and 7 kilometres south of the Visund Sør field in the northern part of the North Sea.

The objective of the well was to prove petroleum in the Albiorix prospect in Middle Jurassic, Early Jurassic and Late Triassic reservoir rocks (Brent group, Statfjord group and Lunde formation). It was also important to collect geological information about stratigraphy, properties and pore pressure.

Operations and results

Wildcat well 34/10-55 S was kicked off at 2700 m from existing development well 34/10-C-52 B on 8 February 2017. It was drilled to TD at 7811 m (3311 m TVD) in the Late Triassic Lunde Formation. The well was drilled with Versatec oil-based mud from kick-off to TD.

Well 34/10-55 S encountered a total oil and gas column of about 170 metres, of which 60 metres are in sandstone with good to very good reservoir properties in the Statfjord group and 10 metres in sandstone with moderate to good properties in the Lunde formation. Oil shows were contaminated by OBM. No oil shows were described.

No cores were cut, and no fluid sample was taken.

The well was permanently abandoned on 26 February 2017 as a gas and oil discovery.

Testing

No drill stem test was performed.

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
2698	ROGALAND GP
2698	LISTA FM
3045	SHETLAND GP
3045	JORSALFARE FM
3500	KYRRE FM
5300	TRYGGVASON FM
7200	CROMER KNOLL GP
7205	BRENT GP



7205	NESS FM
7214	DUNLIN GP
7214	DRAKE FM
7223	COOK FM
7240	AMUNDSEN FM
7256	NO FORMAL NAME
7274	STATFJORD GP
7274	RAUDE FM
7390	HEGRE GP
7390	LUNDE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - EECO DEN IM	4601	7811
MWD - VISION	2710	4601

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
		2698.0		0.0	1.76	FIT
INTERM.	9 5/8	4598.0	12 1/4	4598.0	1.84	FIT
OPEN HOLE		7811.0	8 1/2	7811.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
2935	1.64	61.0		Versatec	
4547	1.59	61.0		Versatec	
4619	1.55	45.0		Versatec	
4619	1.60	52.0		Versatec	
6203	1.56	44.0		Versatec	
7811	1.59	65.0		Versatec	