



General information

Wellbore name	34/8-18 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	VISUND
Discovery	34/8-18 S (Telesto)
Well name	34/8-18
Seismic location	Survey: ST10015. Inline: 1809. X-line: 1792
Production licence	120
Drilling operator	Equinor Energy AS
Drill permit	1731-L
Drilling facility	VISUND
Drilling days	14
Entered date	09.02.2019
Completed date	22.02.2019
Plugged date	22.02.2019
Release date	22.02.2021
Publication date	30.04.2021
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	EARLY JURASSIC
1st level with HC, formation	STATFJORD GP
Kelly bushing elevation [m]	29.0
Water depth [m]	335.0
Total depth (MD) [m RKB]	6068.0
Final vertical depth (TVD) [m RKB]	3327.0
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	LUNDE FM
Geodetic datum	ED50
NS degrees	61° 22' 13.34" N
EW degrees	2° 27' 34.38" E
NS UTM [m]	6804323.95



EW UTM [m]	471109.05
UTM zone	31
NPDID wellbore	8607

Wellbore history

General

Well 34/8-18 S was drilled on a highly tilted fault block downfaulted east of the Visund Main Field on Tampen spur in the North Sea. The primary objective of the well was to prove petroleum in the Telessto prospect in Early Jurassic reservoir rocks (the Statfjord group).

Operations and results

Wildcat well 34/8-18 S was drilled from the Visund platform, as a side-track to oil producer 34/8-A-36 H. It was kicked off below the 9 5/8" shoe at 3619 m in the Shetland Group on 9 February 2019. It was drilled with an 8 1/2" bit, in one bit run, all through to TD at 6068 m (3327 m TVD) m in the Late Triassic Lunde Formation. The well was drilled highly deviated (ca 87° inclination through most of Shetland Group). Operations proceeded without significant problems. The well was drilled with RheGuard oil-based mud from kick-off to TD.

The well drilled ca 3 km of Shetland Group before Cromer Knoll came in at 5679 m and a thin Viking Group at 5692 m. The whole of Brent Group and the upper part of the Dunlin Group was eroded in-well. Top Statfjord Group was penetrated at 5769 m (3082 m TVD). The well encountered a gross oil column of about 115 metres in the upper and lower part of the Statfjord group, with effective reservoir of 17 and 20 metres, respectively, in sandstone mainly with moderate reservoir quality. Pressure data showed initial pressure in the reservoir sands, but the HC filled reservoir in the lower Statfjord had slightly higher pressure (ca 5 bar) than the upper Statfjord. Observations showed a contact in upper Statfjord at 5849 m (3139 m TVD), and an oil-down-to/water-up-to at 5916.5/ 5925 m (3193/3200 m TVD) in lower Statfjord . In the upper part of the Lunde formation, about 15 metres of water-bearing sandstone with poor reservoir quality was encountered. No shows were recorded in the well

No cores were cut. No fluid sample was taken.

The well was plugged on 22 February as an oil discovery.

Testing

No drill stem test was performed.

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
5650.0	[m]	DC	PETROS
5660.0	[m]	DC	PETROS
5670.0	[m]	DC	PETROS
5680.0	[m]	DC	PETROS



5685.0	[m]	DC	PETROS
5690.0	[m]	DC	PETROS
5695.0	[m]	DC	PETROS
5700.0	[m]	DC	PETROS
5705.0	[m]	DC	PETROS
5710.0	[m]	DC	PETROS
5715.0	[m]	DC	PETROS
5725.0	[m]	DC	PETROS
5735.0	[m]	DC	PETROS
5745.0	[m]	DC	PETROS
5755.0	[m]	DC	PETROS
5760.0	[m]	DC	PETROS
5765.0	[m]	DC	PETROS
5770.0	[m]	DC	PETROS
5775.0	[m]	DC	PETROS
5780.0	[m]	DC	PETROS
5785.0	[m]	DC	PETROS
5790.0	[m]	DC	PETROS
5800.0	[m]	DC	PETROS
5810.0	[m]	DC	PETROS
5820.0	[m]	DC	PETROS
5830.0	[m]	DC	PETROS
5840.0	[m]	DC	PETROS
5850.0	[m]	DC	PETROS
5860.0	[m]	DC	PETROS
5870.0	[m]	DC	PETROS
5880.0	[m]	DC	PETROS
5890.0	[m]	DC	PETROS
5900.0	[m]	DC	PETROS
5910.0	[m]	DC	PETROS
5920.0	[m]	DC	PETROS
5930.0	[m]	DC	PETROS
5940.0	[m]	DC	PETROS
5950.0	[m]	DC	PETROS
5960.0	[m]	DC	PETROS
5970.0	[m]	DC	PETROS
5980.0	[m]	DC	PETROS
5990.0	[m]	DC	PETROS
6000.0	[m]	DC	PETROS
6010.0	[m]	DC	PETROS



6020.0	[m]	DC	PETROS
6030.0	[m]	DC	PETROS
6040.0	[m]	DC	PETROS
6050.0	[m]	DC	PETROS
6060.0	[m]	DC	PETROS
6068.0	[m]	DC	PETROS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
364	NORDLAND GP
1008	UTSIRA FM
1447	HORDALAND GP
2060	ROGALAND GP
2060	BALDER FM
2136	SELE FM
2200	LISTA FM
2435	SHETLAND GP
5679	CROMER KNOLL GP
5692	VIKING GP
5692	DRAUPNE FM
5695	HEATHER FM
5706	DUNLIN GP
5769	STATFJORD GP
6001	HEGRE GP
6001	LUNDE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD LWD - GR	365	454
MWD LWD - GR RES	454	3617
MWD LWD - GR RES DEN NEU CAL SON	3619	6068

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
CONDUCTOR	36	438.0	42	454.0	0.00	
SURF.COND.	20	1338.1	26	1349.0	1.60	FIT
INTERM.	13 3/8	2408.5	17 1/2	2420.0	1.66	FIT
LINER	9 5/8	3617.2	12 1/4	3619.0	1.85	FIT
OPEN HOLE		6068.0	8 1/2	6068.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
5627	1.70	49.0		RheGuard	
5803	1.70	48.0		RheGuard	
6068	1.70	57.0		RheGuard	