General information

Wellbore name	25/6-6 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	25/6-6
Seismic location	3D survey NO07M01. Inline: 3979. X-line 3525
Production licence	870
Drilling operator	Equinor Energy AS
Drill permit	1754-L
Drilling facility	TRANSOCEAN SPITSBERGEN
Drilling days	26
Entered date	28.03.2019
Completed date	22.04.2019
Plugged and abondon date	22.04.2019
Release date	25.02.2020
Publication date	25.02.2020
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	40.0
Water depth [m]	123.0
Total depth (MD) [m RKB]	3546.0
Final vertical depth (TVD) [m RKB]	3495.0
Oldest penetrated age	TRIASSIC
Oldest penetrated formation	HEGRE GP
Geodetic datum	ED50
NS degrees	59° 30' 35.21'' N
EW degrees	2° 54' 50.76'' E
NS UTM [m]	6596974.94
EW UTM [m]	495137.75
UTM zone	31
NPDID wellbore	8688

Wellbore history

General

Well 25/6-6 S was drilled to test the Pabow prospect in the south-western part of the Stord Basin, about 7 km east of the 25/6-1 discovery in in the North Sea. The primary exploration target for the well was to prove gas in reservoir rocks from the Early Jurassic (the Statfjord group). The secondary exploration target was to examine reservoir rocks from the Middle Jurassic (the Hugin formation).

Operations and results

Wildcat well 25/6-6 S was spudded with the semi-submersible installation Transocean Spitsbergen on 28 March 2019 and drilled to TD at 3546 m in the Middle Triassic Hegre Group. Drilling proceeded without significant problems. Ca 3 days NPT occurred during wire line operations due to stuck tool. The well was drilled with seawater and hi-vis pills down to 793 m, with KCl/GEM/polymer mud from 793 m to 993 m, and with XP-07 oil-based mud from 993 m to TD.

Well 25/6-6 S encountered the Statfjord group with a thickness of about 330 metres, of which 80 metres with reservoir rocks of moderate to good reservoir quality. The Hugin formation has a thickness of about 45 metres, of which 30 metres with reservoir rocks of good quality. Good pressure data indicate almost hydrostatic pressure from Seabed to TD. The well is dry. There were no shows throughout the well.

No cores were cut. MDT water samples were taken at 2963.2 m and 2628.9 m

The well was permanently abandoned on 22 April as a dry well without shows.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1000.00	3546.00

Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
163	NORDLAND GP
163	UNDIFFERENTIATED
820	UTSIRA FM
942	HORDALAND GP

942	SKADE FM
1136	UNDIFFERENTIATED
1700	GRID FM
1711	UNDIFFERENTIATED
2099	ROGALAND GP
2099	BALDER FM
2164	SELE FM
2210	LISTA FM
2301	VÅLE FM
2324	TY FM
2371	SHETLAND GP
2371	JORSALFARE FM
2445	CROMER KNOLL GP
2445	RØDBY FM
2508	SOLA FM
2513	ÅSGARD FM
2529	VIKING GP
2529	DRAUPNE FM
2570	HEATHER FM
2611	VESTLAND GP
2611	HUGIN FM
2657	SLEIPNER FM
2678	DUNLIN GP
2678	UNDIFFERENTIATED
2927	STATFJORD GP
2927	NANSEN FM
2972	EIRIKSSON FM
3170	HEGRE GP

Logs

Log type	Log top depth [m]	Log bottom depth [m]
AIT PEX HNGS	2454	2468
AIT PEX HNGS XPT MSIP	0	0
MDT	2623	3164
MSCT	2665	3450
MWD LWD - DIR	163	229
MWD LWD - DIR GR RES APWD	2463	3546

MWD LWD - DIR GR RES APWD SON	229	993
MWD LWD - GR DIR RES SON APWD	993	2463
XL-ROCK	2611	3194

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	226.6	42	229.4	0.00	
INTERM.	13 3/8	986.2	17 1/2	993.0	1.57	FIT
INTERM.	9 5/8	2454.5	12 1/2	2463.0	1.71	FIT
OPEN HOLE		3546.0	8 1/2	3546.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
166	1.35	27.0		KCl/Polymer	
166	1.05	50.0		Bentonite/Polymer mud	
258	1.41	27.0		XP-07	
993	1.39	18.0		XP-07	
993	1.35	26.0		Bentonite/Polymer mud	
993	1.35	25.0		KCl/Polymer	
1054	1.39	20.0		XP-07	
2463	1.41	20.0		XP-07	
2463	1.40	19.0		XP-07	
2949	1.39	20.0		XP-07	
3113	1.39	23.0		XP-07	
3546	1.41	21.0		XP-07	
3546	1.39	22.0		XP-07	