



General information





Wellbore name	30/6-30
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Discovery	30/6-30 (Rungne)
Well name	30/6-30
Seismic location	ST06M01: Inline 950. Crossline 1194
Production licence	825
Drilling operator	Faroe Petroleum Norge AS
Drill permit	1729-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	31
Entered date	19.10.2018
Completed date	18.11.2018
Plugged and abandon date	18.11.2018
Release date	01.04.2020
Publication date	18.11.2020
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS/CONDENSATE
Discovery wellbore	YES
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	NESS FM
Kelly bushing elevation [m]	24.0
Water depth [m]	120.0
Total depth (MD) [m RKB]	3493.0
Final vertical depth (TVD) [m RKB]	3493.0
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	DUNLIN GP
Geodetic datum	ED50
NS degrees	60° 43' 6.71" N
EW degrees	2° 44' 3.43" E
NS UTM [m]	6731624.95
EW UTM [m]	485500.95
UTM zone	31
NPDID wellbore	8569



Wellbore history

Wildcat well 30/6-30 was spudded with the semi-submersible installation Transocean Arctic on 18 October 2018. A 9 7/8" pilot hole was drilled from 209 through the Utsira sand and down to 1000 m. No shallow gas or water flow was reported. The well was drilled to TD at 3493 m in the Early Jurassic Drake Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1000 m and with oil-based mud from 1000 m to TD.

The Ness Formation was penetrated from 3260 to 3336 m. The Ness Formation consists of interbedded sands, shales and coals, and the reservoir quality was better than prognosed with higher net to gross and thicker individual sand units. Ness proved to be hydrocarbon bearing in three sand units. Each sand exhibits hydrocarbons in down-to situations and pressure data demonstrate that the three hydrocarbon bearing sands are not in pressure communication with each other. Seventeen metres of net hydrocarbon pay was found within the gross 56 metre column. The primary Oseberg Formation target was water bearing as indicated by logs and proven by a water sample in the Oseberg at 3363 m. The Oseberg Formation is 86 metres thick with very good reservoir properties. The overlying Etive Formation also has very good reservoir quality and was proven to be in pressure communication with the Oseberg. The Etive Formation had good oil shows in sandstones with stain, strong petroleum odour, direct and cut fluorescence and strong residual ring. The underlying Rannoch had weaker shows in sandstones with no stain or odour, but with direct and cut fluorescence and weak residual ring.

Four cores were cut in the interval 3278 to 3494.48 m (TD) with 100% recovery. MDT samples were taken at 3313.49 m (gas), 3325.6 m (gas) and 3362.61 m (water).

The well was permanently abandoned on 18 November 2018 as a gas/condensate discovery.

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	3494.00

Cuttings available for sampling?	YES
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Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	3278.0	3321.6	[m]
2	3321.6	3375.7	[m]
3	3375.7	3440.2	[m]
4	3440.2	3494.5	[m]



Total core sample length [m]	216.5
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
144	NORDLAND GP
725	UTSIRA FM
920	HORDALAND GP
920	UNDIFFERENTIATED
2038	ROGALAND GP
2038	BALDER FM
2118	SELE FM
2311	SHETLAND GP
2311	JORSALFARE FM
3260	BRENT GP
3260	NESS FM
3336	ETIVE FM
3350	RANNOCH FM
3361	OSEBERG FM
3447	DUNLIN GP
3447	DRAKE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
AIT QGEO PPC MSIP PPC	3189	3494
LWD - DI	144	209
LWD - DI GR RES APWD	209	1000
LWD - DI GR RES APWD SON	209	1000
LWD - DI GR RES APWD SON	1000	3196
LWD - DI GR RES DEN NEU APWD SON	3196	3278
MDT	3189	3494
XPT PEX CMR	3189	3494

**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	30	209.0	36	209.0	0.00	
INTERM.	13 3/8	994.0	17 1/2	1000.0	1.70	FIT
INTERM.	9 5/8	3189.6	12 1/4	3196.0	1.86	FIT
OPEN HOLE		3493.0	8 1/2	3493.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
209	1.49	8.0		Kill mud	
369	1.24	8.0		Kill mud	
1000	1.24	13.0		INNOVERT Yellow	
1578	1.34	27.0		INNOVERT Yellow	
2975	1.44	24.0		INNOVERT Yellow	
3002	1.34	21.0		INNOVERT Yellow	
3196	1.43	17.0		INNOVERT Yellow	
3196	1.34	21.0		INNOVERT Yellow	
3215	1.43	20.0		INNOVERT Yellow	
3493	1.43	23.0		INNOVERT Yellow	