

**General information**

Wellbore name	35/10-7 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Press release	<a href="#">link to press release</a>
Factmaps in new window	<a href="#">link to map</a>
Main area	NORTH SEA
Discovery	<a href="#">35/10-7 S (Toppand)</a>
Well name	35/10-7
Seismic location	CGG18M01 inline 7148.xline26748
Production licence	<a href="#">630</a>
Drilling operator	Equinor Energy AS
Drill permit	1872-L
Drilling facility	<a href="#">WEST HERCULES</a>
Drilling days	16
Entered date	12.12.2021
Completed date	27.12.2021
Plugged and abondon date	27.12.2021
Release date	27.12.2023
Publication date	12.09.2023
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	BRENT GP
Kelly bushing elevation [m]	31.0
Water depth [m]	354.0
Total depth (MD) [m RKB]	3605.0
Final vertical depth (TVD) [m RKB]	3403.0
Maximum inclination [°]	37
Bottom hole temperature [°C]	134
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	COOK FM
Geodetic datum	ED50
NS degrees	61° 1' 3.29" N
EW degrees	3° 17' 37.37" E
NS UTM [m]	6764941.56

EW UTM [m]	515877.74
UTM zone	31
NPDID wellbore	9404

## Wellbore history

### General

Well 35/7-10 A is a geological sidetrack to well 35/7-10 S. The 35/7-10 S well discovered oil in the Ness and Etive formations, while the Oseberg Formation was dry with shows. The objective for drilling the 35/7-10 A was to prove commercial hydrocarbons in the Oseberg Formation up flank on the structure.

### Operations and results

Appraisal well 35/7-10 A kicked off at 1682 m in the main well on 12 December 2021. It was drilled with the semi-submersible installation West Hercules to TD at 3605 m (3402.8 m TVD) in the Early Jurassic Cook Formation. Operations proceeded without significant problems. The well was drilled with Exploradril oil-based mud from kick-off to TD.

Well 35/10-7 A found hydrocarbons in the Oseberg Formation in addition to condensate and oil in the Ness and Etive formations. A hydrocarbon-water contact was found at 3526 m (3325 m TVD) in the Oseberg Formation. PVT analysis classify the Oseberg hydrocarbons as a near-critical oil. The Cook Formation was dry with weak oil shows described as direct and cut fluorescence but no visible cut and no odour. Otherwise oil shows were observed only in the oil-bearing formations of the Brent Group.

One core was cut from 3391 to 3427 m with 102.2% recovery in the Ness Formation. MDT fluid samples were taken at 3396.5 m in the Ness Formation (oil), 3506 m in the Oseberg Formation (oil), and 3527 m in the Oseberg Formation (water).

The well was permanently abandoned on 27 December 2021 as an oil appraisal well.

### Testing

No drill stem test was performed.

## Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1690.00	3605.00
Cuttings available for sampling?	YES

## Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	3391.0	3427.8	[m ]

Total core sample length [m]	36.8
Cores available for sampling?	YES

### Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
385	<a href="#">NORDLAND GP</a>
385	<a href="#">UNDIFFERENTIATED</a>
827	<a href="#">UTSIRA FM</a>
906	<a href="#">HORDALAND GP</a>
1766	<a href="#">ROGALAND GP</a>
1766	<a href="#">BALDER FM</a>
1826	<a href="#">SELE FM</a>
1862	<a href="#">LISTA FM</a>
1989	<a href="#">VÅLE FM</a>
2191	<a href="#">SHETLAND GP</a>
2191	<a href="#">JORSALFARE FM</a>
2333	<a href="#">KYRRE FM</a>
2862	<a href="#">SVARTE FM</a>
2916	<a href="#">CROMER KNOLL GP</a>
2916	<a href="#">RØDBY FM</a>
2964	<a href="#">ÅSGARD FM</a>
2982	<a href="#">DRAUPNE FM</a>
2983	<a href="#">VIKING GP</a>
3109	<a href="#">HEATHER FM</a>
3341	<a href="#">BRENT GP</a>
3341	<a href="#">TARBERT FM</a>
3349	<a href="#">NESS FM</a>
3431	<a href="#">ETIVE FM</a>
3468	<a href="#">RANNOCH FM</a>
3492	<a href="#">OSEBERG FM</a>
3561	<a href="#">DUNLIN GP</a>
3561	<a href="#">DRAKE FM</a>
3584	<a href="#">COOK FM</a>

### Logs

Log type	Log top depth [m]	Log bottom depth [m]
AIT PEX HNGS NEXT	3259	3605
MDT CMR	3259	3605
MSIP NGI	3259	3605
MWD - GR RES PWD	1682	3605

**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
INTERM.	13 3/8	1680.0	17 1/2	1742.0	0.00	
LINER	9 5/8	3259.0	12 1/4	3260.0	1.80	FIT
OPEN HOLE		3605.0	8 1/2	3605.0	0.00	

**Drilling mud**

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
700	1.21	14.0	9.5	Glydril	
1738	1.35	28.0	9.0	Exploradrill	
2072	1.36	29.0	9.5	Exploradrill	
2274	1.37	29.0	10.5	Exploradrill	
3269	1.58	29.0	6.0	Exploradrill	
3605	1.58	31.0	5.5	Exploradrill	