General information

Wellbore name	15/9-12 R
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	SLEIPNER VEST
Discovery	15/6-3 Sleipner Vest
Well name	15/9-12
Seismic location	8010-023 SP 270
Production licence	046
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	309-L2
Drilling facility	DEEPSEA SAGA
Drilling days	33
Entered date	29.03.1982
Completed date	27.04.1982
Plugged and abondon date	27.04.1982
Release date	27.04.1984
Publication date	28.03.2014
Purpose - planned	APPRAISAL
Reentry	YES
Reentry activity	TESTING/PLUGGING
Content	GAS/CONDENSATE
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	HUGIN FM
Kelly bushing elevation [m]	25.0
Water depth [m]	110.0
Total depth (MD) [m RKB]	3740.0
Final vertical depth (TVD) [m RKB]	3739.0
Maximum inclination [°]	4.2
Bottom hole temperature [°C]	124
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	SLEIPNER FM
Geodetic datum	ED50
NS degrees	58° 27' 23.17'' N
EW degrees	1° 43' 4.01'' E

NS UTM [m]	6480390.26
EW UTM [m]	425174.97
UTM zone	31
NPDID wellbore	516

Wellbore history

General

Well 15/9-12 R is a re-entry of well 15/9-12, which was drilled as an appraisal well on the saddle area between the Alpha and Beta structures on the Sleipner Vest field in the North Sea. Due to technical problems with the rig the final testing was not done in the primary well. The purpose of the re-entry was testing and plugging.

Operations and results

Well 15/9-12 was re-entered on 29 March 1982 with the semi-submersible installation Deepsea Saga.

After testing the well was permanently abandoned on 27 April 1982 as a gas-condensate appraisal well.

Testing

Three Drill Stem Tests were conducted. DST 1A tested the interval 3585 m 3595 m. This test was aborted due to bad weather after flowing the well for 150 minutes. The interval was retested a few days later in DST 1B.

DST 1B flowed 252 Sm3 condensate and 771600 Sm3 gas /day through a 64/64" choke. The condensate/gas ratio (CGR) was 3056 Sm3/Sm3, the condensate density was 0.793 g/cm3, and the gas gravity was 0.772 (air = 1) with ca 8% CO_2. The DST temperature was 121 deg C at gauge depth 3561.8 m.

DST 2 tested the interval 3512 m to 3522 m. It flowed 231 Sm3 condensate and 808500 Sm3 gas /day through a 64/64" choke. The CGR was 3495 Sm3/Sm3, the condensate density was 0.793 g/cm3, and the gas gravity was 0.765 (air = 1) with ca 7% CO_2. The DST temperature was 119 deg C at gauge depth 3499 m.

Eight gas samples and six condensate samples were taken at the separator during DST 1. Eight gas and eight condensate samples were taken at the separator during DST 2. Neither test experienced sand production nor was H2S detected.

Documents – older Norwegian Offshore Directorate WDSS reports and other related documents

Document name	Document format	Document size [MB]
516_02_WDSS_completion_log	pdf	0.27

Page 3 of 5

Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
516_15_9_12_R_COMPLETION_WORKOVER_REPORT	pdf	0.42

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	195.0	36	195.0	0.00	LOT
SURF.COND.	20	501.0	26	515.0	1.77	LOT
INTERM.	13 3/8	1120.0	17 1/2	1135.0	1.79	LOT
INTERM.	9 5/8	2755.0	12 1/4	2771.0	1.73	LOT
LINER	7	3740.0	8 1/2	3740.0	0.00	LOT

Pressure plots

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

Document name	Document format	Document size [MB]
516_Formation_pressure_(Formasjonstrykk)	pdf	0.22