



Generell informasjon

Brønnbane navn	15/6-3
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	SLEIPNER VEST
Funn	15/6-3 Sleipner Vest
Brønn navn	15/6-3
Seismisk lokalisering	LINE SC-21 SP.7642
Utvinningstillatelse	029
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	114-L
Boreinnretning	DRILLMASTER
Boredager	106
Borestart	05.09.1974
Boreslutt	19.12.1974
Frigitt dato	19.12.1976
Publiseringsdato	24.09.2015
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS/CONDENSATE
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	VESTLAND GP
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	113.0
Totalt målt dybde (MD) [m RKB]	3795.0
Temperatur ved bunn av brønnbanen [°C]	106
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	58° 30' 15.84" N
ØV grader	1° 42' 39.49" E
NS UTM [m]	6485737.84



ØV UTM [m]	424879.96
UTM sone	31
NPDID for brønnbanen	318

Brønnhistorie

General

Well 15/6-3 was drilled in the Ve Sub-basin in the south Viking Graben in the North Sea. The primary objective was to test the Dogger Sands (Middle Jurassic), which were gas bearing in 15/6-2 R, at a structurally higher position on a large north south trending anticline.

Operations and results

Wildcat well 15/6-3 was spudded with the semi-submersible installation Drillmaster on 5 September 1974 and drilled to TD at 3795 m in Late Triassic sediments of the Skagerrak Formation. A lignosulphonate seawater mud was used to drill the well.

The Dogger sand from top at 3488 m to 3579 m was hydrocarbon bearing. The resistivity log indicate gas down to a massive coal layer at ca 3562 m. The true gas/water contact was not established. There was 63 m of net gas bearing sand with average porosity 21% and average water saturation 21.%. The Triassic was not a viable reservoir. The only major shows in the well were in the Dogger reservoir sands.

A total of 125.8 m core was recovered (90.7 % overall recovery) in ten cores in the interval 3512.2 to 3650.9 m. FIT fluid samples were taken at 3505 m (gas, water, mud and trace oil), 3553 m (gas, water, mud and trace oil), 3557 m (gas, mud filtrate and mud), and 3575 m (mud filtrate and mud).

The well was permanently abandoned on 19 December 1974 m as a gas/condensate discovery.

Testing

Two production tests were run.

The first was between 3601.2 and 3604.3 m, this failed to flow.

The second was between 3514.3 and 3520.4 m. This test flowed 974300 Sm³ gas with 165 Sm³ condensate /day through a 1.5" choke. The GOR was 5910 Sm³/Sm³ and the condensate gravity was 41.5° API.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
192.02	3795.37

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	11523.0	11552.0	[ft]
2	11553.0	11585.0	[ft]
3	11585.6	11643.0	[ft]
4	11643.0	11700.0	[ft]
5	11700.0	11743.0	[ft]
6	11743.0	11758.0	[ft]
7	11799.0	11806.0	[ft]
8	11806.4	11860.0	[ft]
9	11860.0	11918.0	[ft]
10	11918.0	11978.0	[ft]

Total kjerneprøve lengde [m]	125.6
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
0.1	[ft]	C	
4370.0	[ft]	DC	
4430.0	[ft]	DC	
4520.0	[ft]	DC	
4610.0	[ft]	DC	
4700.0	[ft]	DC	
4790.0	[ft]	DC	
4880.0	[ft]	C	
4970.0	[ft]	C	
5060.0	[ft]	C	
5150.0	[ft]	C	
5240.0	[ft]	C	
5330.0	[ft]	C	
5420.0	[ft]	C	
5510.0	[ft]	C	
5600.0	[ft]	C	
5690.0	[ft]	C	
5733.0	[ft]	SWC	
5780.0	[ft]	C	



5870.0 [ft]	C	
5930.0 [ft]	C	
6020.0 [ft]	DC	
6110.0 [ft]	DC	
6135.0 [ft]	SWC	
6230.0 [ft]	DC	
6320.0 [ft]	DC	
6410.0 [ft]	DC	
6500.0 [ft]	DC	
6590.0 [ft]	DC	
6675.0 [ft]	SWC	
6680.0 [ft]	DC	
6770.0 [ft]	DC	
6800.0 [ft]	DC	
6830.0 [ft]	DC	
6860.0 [ft]	DC	
6894.0 [ft]	SWC	
6950.0 [ft]	DC	
7040.0 [ft]	DC	
7076.0 [ft]	SWC	
7130.0 [ft]	DC	
7220.0 [ft]	DC	
7310.0 [ft]	DC	
7400.0 [ft]	DC	
7411.0 [ft]	SWC	
7476.0 [ft]	SWC	
7490.0 [ft]	DC	
7580.0 [ft]	DC	
7670.0 [ft]	DC	
7760.0 [ft]	DC	
7790.0 [ft]	DC	
7820.0 [ft]	DC	
7850.0 [ft]	DC	
7880.0 [ft]	DC	
7910.0 [ft]	DC	
7940.0 [ft]	DC	
7970.0 [ft]	DC	
8000.0 [ft]	DC	
8030.0 [ft]	DC	
8060.0 [ft]	DC	



8090.0 [ft]	DC	
8120.0 [ft]	DC	
8150.0 [ft]	DC	
8180.0 [ft]	DC	
8210.0 [ft]	DC	
8240.0 [ft]	DC	
8270.0 [ft]	DC	
8300.0 [ft]	DC	
8330.0 [ft]	DC	
8360.0 [ft]	DC	
8390.0 [ft]	DC	
8480.0 [ft]	DC	
8493.0 [ft]	SWC	
8566.0 [ft]	SWC	
8570.0 [ft]	DC	
8630.0 [ft]	DC	
8660.0 [ft]	DC	
8690.0 [ft]	DC	
8720.0 [ft]	SWC	
8720.0 [ft]	DC	
8750.0 [ft]	C	
8780.0 [ft]	C	
8810.0 [ft]	DC	
8813.0 [ft]	SWC	
8836.0 [ft]	SWC	
8840.0 [ft]	C	
8870.0 [ft]	DC	
8900.0 [ft]	DC	
8930.0 [ft]	DC	
9020.0 [ft]	DC	
9110.0 [ft]	DC	
9115.0 [ft]	SWC	
9200.0 [ft]	DC	
9290.0 [ft]	DC	
9380.0 [ft]	DC	
9470.0 [ft]	DC	
9570.0 [ft]	DC	
9670.0 [ft]	DC	
9720.0 [ft]	SWC	
9770.0 [ft]	DC	



9870.0 [ft]	DC	
9970.0 [ft]	DC	
10000.0 [ft]	SWC	
10070.0 [ft]	DC	
10100.0 [ft]	SWC	
10170.0 [ft]	DC	
10270.0 [ft]	DC	
10300.0 [ft]	SWC	
10370.0 [ft]	DC	
10400.0 [ft]	SWC	
10470.0 [ft]	DC	
10500.0 [ft]	SWC	
10570.0 [ft]	DC	
10600.0 [ft]	SWC	
10670.0 [ft]	DC	
10700.0 [ft]	SWC	
10770.0 [ft]	DC	
10810.0 [ft]	DC	
10870.0 [ft]	DC	
10880.0 [ft]	SWC	
10900.0 [ft]	SWC	
10920.0 [ft]	C	
10950.0 [ft]	SWC	
10950.0 [ft]	C	
10970.0 [ft]	DC	
11000.0 [ft]	DC	
11070.0 [ft]	DC	
11100.0 [ft]	SWC	
11100.0 [ft]	C	
11100.0 [ft]	DC	RRI
11120.0 [ft]	SWC	
11130.0 [ft]	DC	RRI
11140.0 [ft]	SWC	
11150.0 [ft]	SWC	
11150.0 [ft]	C	
11155.0 [ft]	SWC	
11160.0 [ft]	SWC	
11160.0 [ft]	DC	RRI
11165.0 [ft]	SWC	
11170.0 [ft]	SWC	



11170.0 [ft]	C	
11170.0 [ft]	DC	
11175.0 [ft]	SWC	
11185.0 [ft]	SWC	
11190.0 [ft]	DC	RRI
11200.0 [ft]	SWC	
11210.0 [ft]	C	
11220.0 [ft]	DC	RRI
11270.0 [ft]	DC	
11280.0 [ft]	DC	RRI
11300.0 [ft]	C	
11300.0 [ft]	SWC	
11310.0 [ft]	C	RRI
11340.0 [ft]	DC	RRI
11360.0 [ft]	C	
11370.0 [ft]	DC	RRI
11370.0 [ft]	DC	
11390.0 [ft]	DC	HRS
11400.0 [ft]	DC	RRI
11400.0 [ft]	SWC	
11400.0 [ft]	C	
11410.0 [ft]	SWC	
11410.0 [ft]	DC	HRS
11420.0 [ft]	SWC	
11430.0 [ft]	SWC	
11430.0 [ft]	DC	RRI
11430.0 [ft]	DC	HRS
11450.0 [ft]	SWC	
11460.0 [ft]	SWC	
11460.0 [ft]	DC	RRI
11465.0 [ft]	SWC	
11466.0 [ft]	SWC	
11470.0 [ft]	DC	
11480.0 [ft]	DC	
11480.0 [ft]	DC	HRS
11480.0 [ft]	DC	RRI
11490.0 [ft]	C	
11490.0 [ft]	DC	
11500.0 [ft]	DC	
11500.0 [ft]	DC	RRI



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 10:28

11505.0 [ft]	C	
11510.0 [ft]	DC	HRS
11520.0 [ft]	DC	
11523.0 [ft]	DC	
11523.0 [ft]	C	
11530.0 [ft]	C	
11530.5 [ft]	C	
11553.0 [ft]	C	
11556.8 [ft]	C	
11559.5 [ft]	C	
11564.8 [ft]	C	HRS
11575.0 [ft]	C	
11578.0 [ft]	C	
11583.0 [ft]	C	
11585.0 [ft]	C	
11592.4 [ft]	C	
11592.9 [ft]	C	HRS
11601.9 [ft]	C	HRS
11603.0 [ft]	C	
11624.6 [ft]	C	
11630.6 [ft]	C	
11632.0 [ft]	C	
11632.2 [ft]	C	HRS
11633.6 [ft]	C	
11640.6 [ft]	C	
11642.2 [ft]	C	
11643.0 [ft]	C	
11645.8 [ft]	C	
11658.0 [ft]	C	
11659.6 [ft]	C	HRS
11669.8 [ft]	C	
11676.0 [ft]	C	
11681.0 [ft]	C	HRS
11682.0 [ft]	C	
11685.0 [ft]	C	
11686.0 [ft]	C	
11691.0 [ft]	C	
11692.6 [ft]	C	
11693.0 [ft]	C	HRS
11701.0 [ft]	C	HRS



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 10:28

11717.8 [ft]	C	
11717.8 [ft]	C	
11721.0 [ft]	C	
11723.0 [ft]	C	
11736.0 [ft]	C	
11740.0 [ft]	C	HRS
11742.0 [ft]	C	
11742.0 [ft]	C	
11749.0 [ft]	C	
11754.0 [ft]	C	HRS
11755.0 [ft]	C	
11755.0 [ft]	C	
11799.0 [ft]	C	
11805.6 [ft]	C	
11807.0 [ft]	C	
11807.0 [ft]	C	HRS
11809.0 [ft]	C	
11825.0 [ft]	C	
11827.0 [ft]	C	
11832.9 [ft]	C	
11836.2 [ft]	C	
11844.0 [ft]	C	
11848.5 [ft]	C	
11855.6 [ft]	C	
11860.0 [ft]	C	
11860.3 [ft]	C	
11861.0 [ft]	C	
11867.3 [ft]	C	
11871.0 [ft]	C	
11874.4 [ft]	C	
11883.0 [ft]	C	
11889.1 [ft]	C	
11894.8 [ft]	C	
11899.0 [ft]	C	
11906.6 [ft]	C	
11911.0 [ft]	C	
11915.0 [ft]	C	
11917.0 [ft]	C	
11923.1 [ft]	C	
11927.6 [ft]	C	



11935.0 [ft]	C	
11940.0 [ft]	C	
11947.6 [ft]	C	
11953.1 [ft]	C	
11956.0 [ft]	C	
11956.3 [ft]	C	
11960.0 [ft]	C	
11962.6 [ft]	C	
11967.6 [ft]	C	
11975.5 [ft]	C	
11977.6 [ft]	C	
11990.0 [ft]	DC	
12040.0 [ft]	DC	
12090.0 [ft]	DC	
12120.0 [ft]	DC	
12180.0 [ft]	DC	
12190.0 [ft]	DC	
12230.0 [ft]	DC	
12234.0 [ft]	DC	
12279.0 [ft]	DC	
12290.0 [ft]	DC	
12300.0 [ft]	DC	
12310.0 [ft]	SWC	
12370.0 [ft]	DC	
12376.0 [ft]	SWC	
12390.0 [ft]	DC	
12390.0 [ft]	DC	
12399.0 [ft]	SWC	
12427.0 [ft]	SWC	
12440.0 [ft]	DC	
12452.0 [ft]	DC	

Oljeprøver i Sökkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST	TEST2	3490.80	3496.80		15.12.1974 - 00:00	YES



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
137	NORDLAND GP
796	UTSIRA FM
1036	HORDALAND GP
1792	GRID FM
2142	ROGALAND GP
2142	BALDER FM
2298	HEIMDAL FM
2575	LISTA FM
2612	TY FM
2698	SHETLAND GP
3346	CROMER KNOLL GP
3402	VIKING GP
3478	VESTLAND GP
3579	SKAGERRAK FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
318_GCH_1	pdf	0.20
318_GCH_2	pdf	0.30

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
318_01_WDSS_General_Information	pdf	0.27

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
318_15_6_3_COMPLETION_LOG	pdf	2.16
318_15_6_3_COMPLETION_REPORT	pdf	5.65





Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	3514	3520	12.5

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0				

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstygde rel. luft	GOR [m3/m3]
1.0	165	974099	0.817		5903

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC	393	3794
CDM	1194	3795
CNL	2835	3764
FDC	1194	3794
GR	178	393
IES	386	3795

Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	30	172.0	36	178.0	0.00	
SURF.COND.	20	386.0	26	396.0	0.00	
INTERM.	13 3/8	1193.0	17 1/2	1204.0	0.00	
INTERM.	9 5/8	2860.0	12 1/4	2876.0	0.00	
LINER	7	3791.0	8 1/2	3795.0	0.00	



Tynnslip i Sokkeldirektoratet

Dybde	Enhet
11390.00	[ft]

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
318 Formation pressure (Formasjonstrykk)	pdf	0.22

