



Generell informasjon





Brønnbane navn	15/6-4
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	15/6-4
Seismisk lokalisering	
Utvinningstillatelse	029
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	159-L
Boreinnretning	NORJARL
Boredager	50
Borestart	28.06.1976
Boreslutt	16.08.1976
Frigitt dato	16.08.1978
Publiseringsdato	28.03.2014
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	111.0
Totalt målt dybde (MD) [m RKB]	3505.0
Totalt vertikalt dybde (TVD) [m RKB]	3504.0
Maks inklinasjon [°]	3.5
Temperatur ved bunn av brønnbanen [°C]	99
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	58° 37' 34.39" N
ØV grader	1° 48' 19.94" E
NS UTM [m]	6499198.96
ØV UTM [m]	430632.04
UTM sone	31
NPDID for brønnbanen	319



Brønnhistorie

General

Well 15/6-4 was drilled on the southern end of the Gudrun Terrace in the North Sea. The objective was to test the hydrocarbon potential of Middle Jurassic (Dogger) sandstones.

Operations and results

Wildcat well 15/6-4 was spudded with the semi-submersible installation Norjarl on 28 June 1976 and drilled to TD at 3505 m in the Triassic Smith Bank Formation. The well was drilled water based with lignosulphonate/CMC/lignite below 3097 m

Top Draupne Formation was encountered at 3157 m. The target sandstone unit was encountered at 3222 m and was found to be water bearing.

Four cores were cut. Cores 1 and 2 were cut from 3226.3 m to 3247.6 m and cores 3 and 4 were cut from 3271.5 m to 3308 m. FIT fluid samples were taken on wire line at 3312 m (small amounts of gas and 10.2 l water) and at 3222.5 m (small amounts of gas and 10.2 l water).

The well was permanently abandoned on 16 August as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
180.00	3505.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	10585.0	10604.0	[ft]
2	10607.0	10651.2	[ft]
3	3271.3	3290.1	[m]
4	3290.1	3308.1	[m]



Total kjerneprøve lengde [m]	56.1
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sökkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1100.0	[m]	DC	
1130.0	[m]	DC	
1130.0	[m]	SWC	
1160.0	[m]	DC	
1190.0	[m]	DC	
1220.0	[m]	DC	
1240.0	[m]	DC	
1250.0	[m]	DC	
1250.0	[m]	SWC	
1280.0	[m]	DC	
1310.0	[m]	DC	
1340.0	[m]	DC	
1370.0	[m]	DC	
1400.0	[m]	DC	
1410.0	[m]	DC	
1430.0	[m]	DC	
1460.0	[m]	DC	
1490.0	[m]	DC	
1500.0	[m]	DC	
1520.0	[m]	DC	
1550.0	[m]	DC	
1580.0	[m]	DC	
1610.0	[m]	DC	
1640.0	[m]	DC	
1650.0	[m]	DC	
1670.0	[m]	DC	
1700.0	[m]	DC	
1700.0	[m]	SWC	
1720.0	[m]	DC	
1730.0	[m]	DC	
1750.0	[m]	SWC	
1760.0	[m]	DC	
1790.0	[m]	DC	



1820.0	[m]	DC	
1845.0	[m]	SWC	
1850.0	[m]	DC	
1850.0	[m]	DC	
1880.0	[m]	DC	
1885.0	[m]	SWC	
1910.0	[m]	DC	
1940.0	[m]	DC	
1970.0	[m]	DC	
1995.0	[m]	SWC	
2000.0	[m]	DC	
2030.0	[m]	DC	
2040.0	[m]	DC	
2050.0	[m]	DC	
2050.0	[m]	SWC	
2060.0	[m]	DC	
2090.0	[m]	DC	
2100.0	[m]	DC	
2110.0	[m]	DC	
2120.0	[m]	DC	
2130.0	[m]	DC	
2150.0	[m]	SWC	
2160.0	[m]	DC	
2176.0	[m]	SWC	
2180.0	[m]	DC	
2190.0	[m]	DC	
2200.0	[m]	DC	
2220.0	[m]	DC	
2220.0	[m]	SWC	
2249.0	[m]	SWC	
2250.0	[m]	DC	
2270.0	[m]	DC	
2280.0	[m]	DC	
2290.0	[m]	DC	
2295.0	[m]	SWC	
2300.0	[m]	DC	
2310.0	[m]	DC	
2310.0	[m]	SWC	
2326.0	[m]	SWC	
2340.0	[m]	DC	



2370.0 [m]	DC	
2400.0 [m]	DC	
2408.0 [m]	SWC	
2430.0 [m]	DC	
2433.0 [m]	SWC	
2460.0 [m]	DC	
2490.0 [m]	DC	
2490.0 [m]	DC	
2520.0 [m]	DC	
2550.0 [m]	DC	
2580.0 [m]	DC	
2612.0 [m]	DC	
2635.0 [m]	SWC	
2642.0 [m]	DC	
2672.0 [m]	DC	
2702.0 [m]	DC	
2732.0 [m]	DC	
2762.0 [m]	DC	
2792.0 [m]	DC	
2822.0 [m]	DC	
2852.0 [m]	DC	
2882.0 [m]	DC	
2912.0 [m]	DC	
2942.0 [m]	DC	
2972.0 [m]	DC	
3002.0 [m]	DC	
3032.0 [m]	DC	
3062.0 [m]	DC	
3065.0 [m]	SWC	
3092.0 [m]	DC	
3122.0 [m]	DC	
3131.0 [m]	DC	
3152.0 [m]	DC	
3160.0 [m]	SWC	
3161.0 [m]	DC	
3170.0 [m]	SWC	
3170.0 [m]	DC	
3175.0 [m]	SWC	
3180.0 [m]	SWC	
3182.0 [m]	DC	



3185.0 [m]	SWC	
3190.0 [m]	SWC	
3205.0 [m]	SWC	
3207.0 [m]	SWC	
3210.0 [m]	SWC	
3212.0 [m]	DC	
3213.0 [m]	SWC	
3215.0 [m]	SWC	
3218.0 [m]	SWC	
3218.0 [m]	DC	
3222.5 [m]	SWC	
3223.0 [m]	SWC	
3224.0 [m]	SWC	
3225.0 [m]	SWC	
3227.6 [m]	C	
3228.3 [m]	C	RRI
3228.5 [m]	C	
3228.8 [m]	C	RRI
3229.6 [m]	C	
3229.6 [m]	C	
3230.4 [m]	C	
3230.7 [m]	C	
3231.0 [m]	C	
3231.3 [m]	C	
3231.8 [m]	C	RRI
3231.8 [m]	C	
3232.8 [m]	C	
3233.2 [m]	C	
3234.4 [m]	C	
3234.6 [m]	C	
3234.8 [m]	C	RRI
3235.3 [m]	C	
3236.5 [m]	C	
3237.0 [m]	C	
3238.0 [m]	C	
3238.3 [m]	C	
3239.2 [m]	C	
3239.7 [m]	C	
3243.0 [m]	C	
3243.5 [m]	C	



3244.0	[m]	C	RRI
3244.0	[m]	C	
3244.4	[m]	C	
3244.9	[m]	C	RRI
3250.0	[m]	SWC	
3251.0	[m]	DC	
3263.0	[m]	SWC	
3267.5	[m]	SWC	
3272.0	[m]	DC	
3274.0	[m]	C	RRI
3279.3	[m]	C	
3283.9	[m]	C	
3287.0	[m]	C	
3290.5	[m]	C	
3294.0	[m]	C	
3295.4	[m]	C	
3297.2	[m]	C	
3298.1	[m]	C	
3307.6	[m]	C	
3308.0	[m]	C	
3311.0	[m]	DC	
3341.0	[m]	DC	
3350.0	[m]	SWC	
3365.0	[m]	DC	
3371.0	[m]	DC	
3400.0	[m]	DC	
3401.0	[m]	DC	
3431.0	[m]	DC	
3450.0	[m]	SWC	
3461.0	[m]	DC	
3488.0	[m]	DC	
3491.0	[m]	DC	
3505.0	[m]	DC	
3505.0	[m]	SWC	

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
136	NORDLAND GP



745	UTSIRA FM
1017	HORDALAND GP
1718	GRID FM
2174	ROGALAND GP
2174	BALDER FM
2225	SELE FM
2287	LISTA FM
2327	HEIMDAL FM
2605	SHETLAND GP
2605	EKOFISK FM
2667	TOR FM
3157	VIKING GP
3157	DRAUPNE FM
3187	HEATHER FM
3222	VESTLAND GP
3268	HEGRE GP
3268	SKAGERRAK FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
319 1	pdf	0.31
319 2	pdf	0.68
319 3	pdf	2.00

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
319 01 WDSS General Information	pdf	0.28

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
319 15 6 4 COMPLETION LOG	pdf	1.96
319 15 6 4 COMPLETION REPORT	pdf	25.25





Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC SON	170	2742
CBL	1700	2518
CDM	2776	3505
DLL	2776	3505
FDC CNL	2776	3511
ISF	1079	2753
ISF SON	379	3505
MUD	170	3505
VELOCITY	170	3505

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	170.0	36	177.0	0.00	
SURF.COND.	20	379.0	26	394.0	0.00	
INTERM.	13 3/8	1083.0	17 1/2	1097.0	0.00	
INTERM.	9 5/8	2775.0	12 1/4	2789.0	0.00	
OPEN HOLE		3530.0	8 1/2	3530.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
168	1.06			waterbased	
1097	1.10			waterbased	
2356	1.16			waterbased	
2758	1.15			waterbased	
2788	1.16			waterbased	

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]
319 Formation pressure (Formasjonstrykk)	pdf	0.21

