



Generell informasjon

Brønnbane navn	2/8-14
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/8-14
Seismisk lokalisering	ANO83- 14 & SP. 270
Utvinningstillatelse	006
Boreoperatør	Amoco Norway Oil Company
Boretillatelse	647-L
Boreinnretning	WEST VANGUARD
Boredager	162
Borestart	14.08.1990
Boreslutt	22.01.1991
Frigitt dato	22.01.1993
Publiseringsdato	16.10.2012
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	67.0
Totalt målt dybde (MD) [m RKB]	4392.0
Temperatur ved bunn av brønnbanen [°C]	152
Eldste penetrerte alder	LATE JURASSIC
Eldste penetrerte formasjon	FARSUND FM
Geodetisk datum	ED50
NS grader	56° 15' 48.93" N
ØV grader	3° 21' 23.11" E
NS UTM [m]	6235612.57
ØV UTM [m]	522078.60
UTM sone	31
NPDID for brønnbanen	1552



Brønnhistorie

General

Well 2/8-14 was drilled on a complexly faulted anticline situated below the western flank of the Valhall Field (designated as the West Valhall prospect) in the southern North Sea. The primary objective was to test a late Jurassic "wedge" sandstone. The secondary objective was Late Jurassic, Volgian age, sandstones. The well would also determine reservoir quality of the Shetland Group chalk sequences. The planned total depth of the well was 5622 m.

Operations and results

Wildcat well 2/8-14 was spudded with the semi-submersible installation West Vanguard on 14 August 1990. No shallow gas zones were penetrated in the well. The well penetrated high pore pressures at 3176 m in the Lower Cretaceous that required plugging back the well and setting an 11 3/4" liner. High pore pressures were again penetrated at 4274 m in the Late Jurassic. Due to well control considerations, the hole was plugged back and sidetracked below approximately 3797 m before setting a 7" liner at 4202 m. Further down high pore pressures again forced a premature end to the well with TD at 4397 m in the Late Jurassic (Late Kimmeridgian) Farsund Formation. The well was drilled with seawater and pre-hydrated bentonite down to 952 m, with KCl/PHPA/Polydrill mud from 952 m to 2560 m, with AncoTemp Polydrill/Ancoresin PHPA from 2560 m to 3855 m, and with AncoTemp Polydrill/Hostadrill PHPA mud from 3855 m to TD.

Top Shetland Group Chalk (Tor Formation) was encountered at 2614 m with a 73% mud gas peak and good oil shows. The Tor Formation was 3 m thick and the underlying Hod Formation was 225 m thick. The pressures in the Tor and in the Hod chalk formations were depleted due to production from the Valhall Field as expected. Top Tyne Group, Mandal Formation came in at 3188 m. No significant Volgian age sandstones were penetrated in the well. The primary objective Late Jurassic "Wedge Sandstones" were not penetrated. The well had oil shows of variable quality in all types of lithology virtually all through from 1510 m to TD, except for an interval from 2778 m in the lower Hod Formation to 2929 m in the Sola Formation.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 22 January 1991 as a dry well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
960.00	4392.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
89	NORDLAND GP
1522	HORDALAND GP
2567	ROGALAND GP
2567	BALDER FM
2576	SELE FM
2592	LISTA FM
2614	SHETLAND GP
2614	TOR FM
2617	HOD FM
2842	BLODØKS FM
2847	HIDRA FM
2874	CROMER KNOLL GP
2874	RØDBY FM
2901	SOLA FM
2936	TUXEN FM
2984	ÅSGARD FM
3188	TYNE GP
3189	MANDAL FM
3257	FARSUND FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1552_GCH_1	pdf	0.12
1552_GCH_2	pdf	20.45

Dokumenter - eldre Søkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1552_01 WDSS General Information	pdf	0.63
1552_02 WDSS completion log	pdf	0.22





Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1552 2 8 14 Completion log	pdf	2.32
1552 2 8 14 Completion report	pdf	16.99
1552 2 8 14 Drilling diary	pdf	25.14
1552 2 8 14 Drilling report	pdf	35.46
1552 2 8 14 Wellsite samples - Kopi	pdf	39.66
1552 2 8 14 Wellsite samples	pdf	39.66

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
4ARM CAL	2549	3067
4ARM DIP GR	2549	3077
4ARM DIP GR	3064	3248
ACSIG	2550	2910
ACSIG	3064	3248
CBL VDL GR	405	2549
CBL VDL GR	2414	3064
CBL VDL GR	3107	4206
CBL VDL GR	3234	4500
COREGUN GR	3102	3245
COREGUN GR	3300	4202
COREGUN GR	3496	4206
COREGUN GR	4212	3295
DIFL AC GR CAL	3064	3248
DIFL AC SP GR	4130	4396
DIFL AC ZDL CN GR	2549	3075
DIFL AC ZDL CN SP GR CAL	3151	4207
HP FMMT GR	4211	4282
HP FMT GR	2615	2690
HP FMT GR	3101	3239
MWD - DPR EMW RES GR DIR	595	687
MWD - RGD SN RES GR DIR	193	595
MWD - RGD SN RES GR DIR	687	4274
MWD - RGD SN RES GR DIR	3797	4202
SWING ARM DIP GR	3234	4208
SWING ARM DIP GR	4206	4397





VELOCITY	2614	3780
VELOCITY	4150	4390
VSP	2580	4190
ZDL CN GR CAL	3064	3248
ZDL CN GR CAL	4153	4396

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	185.0	36	193.0	0.00	LOT
INTERM.	20	945.0	26	952.0	1.74	LOT
INTERM.	13 3/8	2549.0	17 1/2	2560.0	1.90	LOT
LINER	11 3/4	3062.0	15	3068.0	2.05	LOT
INTERM.	9 5/8	3234.0	10 5/8	3248.0	2.07	LOT
LINER	7	4202.0	8 1/2	4274.0	2.23	LOT
OPEN HOLE		4392.0	5 7/8	4392.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
190	1.09	8.0		WATER BASED	
280	1.09	42.0		WATER BASED	
330	1.41			WATER BASED	
545	1.04	45.0		WATER BASED	
687	1.06	40.0		WATER BASED	
959	1.20	10.0		WATER BASED	
1157	1.22	13.0		WATER BASED	
1288	1.70	16.0		WATER BASED	
1410	1.49	21.0		WATER BASED	
1639	1.68	24.0		WATER BASED	
1919	1.70	19.0		WATER BASED	
2035	1.70	18.0		WATER BASED	
2340	1.70	18.0		WATER BASED	
2469	1.93	10.0		WATER BASED	
2560	1.73	15.0		WATER BASED	
2759	1.67	14.0		WATER BASED	
2898	1.70	16.0		WATER BASED	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 30.5.2024 - 23:01

2984	1.73	16.0		WATER BASED	
3044	1.73	19.0		WATER BASED	
3170	2.08	21.0		WATER BASED	
3176	1.86	20.0		WATER BASED	
3181	1.91	18.0		WATER BASED	
3239	1.93	25.0		WATER BASED	
3248	1.93	24.0		WATER BASED	
3263	1.93	21.0		WATER BASED	
3324	1.92	23.0		WATER BASED	
3374	1.92	24.0		WATER BASED	
3403	1.96	21.0		WATER BASED	
3468	1.92	21.0		WATER BASED	
3554	1.96	24.0		WATER BASED	
3604	1.96	24.0		WATER BASED	
3650	1.96	25.0		WATER BASED	
3721	1.96	24.0		WATER BASED	
3729	2.02	22.0		WATER BASED	
3784	2.02	21.0		WATER BASED	
3810	1.96	26.0		WATER BASED	
3815	2.02	24.0		WATER BASED	
3851	2.02	26.0		WATER BASED	
3875	1.98	24.0		WATER BASED	
3882	2.02	26.0		WATER BASED	
3905	1.98	25.0		WATER BASED	
3906	2.02	26.0		WATER BASED	
3906	2.02	26.0		WATER BASED	
3911	2.02	25.0		WATER BASED	
3987	1.98	24.0		WATER BASED	
4026	2.02	25.0		WATER BASED	
4084	1.98	27.0		WATER BASED	
4134	2.02	24.0		WATER BASED	
4166	1.98	26.0		WATER BASED	
4180	2.18	21.0		WATER BASED	
4188	2.02	19.0		WATER BASED	
4202	2.02	20.0		WATER BASED	
4205	2.02	20.0		WATER BASED	
4249	2.08	20.0		WATER BASED	
4258	1.98	24.0		WATER BASED	
4270	2.00	22.0		WATER BASED	
4274	2.02	21.0		WATER BASED	



4314	2.00	20.0		WATER BASED	
4325	2.12	21.0		WATER BASED	
4326	2.12	22.0		WATER BASED	
4339	2.16	22.0		WATER BASED	
4350	2.18	16.0		WATER BASED	
4392	2.16	20.0		WATER BASED	

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]
1552 Formation pressure (Formasjonstrykk)	pdf	0.22

