



Generell informasjon

Brønnbane navn	35/3-5
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	35/3-5
Seismisk lokalisering	SG 8130 - 413 & SP 484
Utvinningstillatelse	041
Boreoperatør	Saga Petroleum ASA
Boretillatelse	313-L
Boreinnretning	WEST VENTURE OLD
Boredager	100
Borestart	22.12.1981
Boreslutt	31.03.1982
Frigitt dato	31.03.1984
Publiseringsdato	11.02.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	33.0
Vanndybde ved midlere havflate [m]	262.0
Totalt målt dybde (MD) [m RKB]	4114.0
Totalt vertikalt dybde (TVD) [m RKB]	4112.0
Maks inklinasjon [°]	7
Temperatur ved bunn av brønnbanen [°C]	123
Eldste penetrerte alder	PRE-DEVONIAN
Eldste penetrerte formasjon	BASEMENT
Geodetisk datum	ED50
NS grader	61° 47' 46.71" N
ØV grader	3° 54' 44.01" E
NS UTM [m]	6851990.69
ØV UTM [m]	548099.85
UTM sone	31
NPDID for brønnbanen	433



Brønnhistorie

General

Well 35/3-5 is located ca 13 km south of the Agat Discovery. The primary target of the well was sandstones of Early Cretaceous age, which had been found hydrocarbon bearing in the 35/3-2 and 35/3-4 wells. The well was considered a wildcat due to the uncertain correlation between sand bodies in the area. The secondary objective was to penetrate sandstones of Middle - Early Jurassic age, which had been found hydrocarbon bearing in 35/3-2.

The well is Reference well for the Agat Formation.

Operations and results

Exploration well 35/3-5 was spudded with the semi-submersible installation West Venture on 22 December 1981 and drilled to TD at 4114 m in Basement rocks. The well was respudded two times due to boulders. Shallow gas caused problems with cementing and caused a leak outside of the casing. The leak was repaired and further operations were performed without any specific problems. The well was drilled with seawater and hi-vis pills down to 420 m, with seawater/gel mud from 420 m to 1046 m, with gypsum/polymer mud from 1046 m to 2052 m, and with lignosulphonate mud from 2052 m to TD.

The Agat Formation was encountered from 3219 m to 3620 m. A thin Intra Heather sandstone was penetrated from 3865 m to 3874 m. A minor show was noted at the top of the Agat Formation. Minor oil shows with associated formation gas peaks were recorded in sandstones at 3547 m and 3568 m. Minor shows were recorded in siltstones below 3685 m, but these were not associated with gas peaks. Organic geochemical analyses confirmed migrant hydrocarbons at 3223 m in the top of the Agat Formation. Source rocks were immature down to about 3000 m. Oil window maturity is postulated below ca 3900 m. Below ca 3300 m in the well total organic carbon was found in the range 1.7 % to 3 % in picked mud stone samples. Shale in a thin interval at 3286 m to 3295 m was evaluated as a good/rich potential as a source rock for gas and oil while claystone/siltstone from 3847 m to 4063 had fair/good potential as a source rock for gas and some paraffinic oil. Four cores were cut in the interval 3227.6 m to 3292.1 m in the Agat Formation (log depth ca 4 m deeper for all cores). A fifth core was attempted in the Heather Formation, but this core had no recovery. An RFT fluid sample at 3243 m recovered only water and mud filtrate.

The well was plugged and abandoned as a dry hole with weak shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
430.00	4111.00

Borekaks tilgjengelig for prøvetaking?	YES
--	-----



Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3227.7	3245.2	[m]
2	3245.2	3257.6	[m]
3	3257.1	3274.6	[m]
4	3274.7	3292.1	[m]

Total kjerneprøve lengde [m]	64.9
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3227-3231m



3231-3235m



3235-3239m



3239-3243m



3243-3245m



3245-3249m



3253-3257m



3249-3253m



3257-3257m



3257-3261m



3261-3265m



3265-3269m



3269-3273m



3273-3274m



3274-3278m



3278-3282m



3282-3286m



3286-3290m



3290-3292m



3278-3282m 3282-3286m 3286-3290m 3290-3292m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
600.0	[m]	DC	GEOCH
630.0	[m]	DC	GEOCH
660.0	[m]	DC	GEOCH
690.0	[m]	DC	GEOCH
720.0	[m]	DC	GEOCH
750.0	[m]	DC	GEOCH
780.0	[m]	DC	GEOCH
870.0	[m]	DC	GEOCH
920.0	[m]	DC	GEOCH
940.0	[m]	DC	GEOCH
970.0	[m]	DC	GEOCH
980.0	[m]	DC	GEOCH
1000.0	[m]	DC	ROBERTSO
1010.0	[m]	DC	ROBETRSO
1010.0	[m]	DC	GEOCH
1020.0	[m]	DC	GEOCH
1020.0	[m]	DC	ROBERTSO
1030.0	[m]	DC	ROBERTSO
1040.0	[m]	DC	ROBERTSO
1050.0	[m]	DC	ROBERTSO
1060.0	[m]	DC	ROBERTSO
1060.0	[m]	DC	GEOCH
1070.0	[m]	DC	ROBERTSO
1080.0	[m]	DC	ROBERTSO
1090.0	[m]	DC	ROBERTSO
1090.0	[m]	DC	GEOCH
1100.0	[m]	DC	ROBERTSO
1110.0	[m]	DC	ROBERTSO
1120.0	[m]	DC	ROBERTSO
1120.0	[m]	DC	GEOCH
1130.0	[m]	DC	ROBERTSO
1140.0	[m]	DC	ROBERTSO
1150.0	[m]	DC	GEOCH
1180.0	[m]	DC	ROBERTSO



1190.0	[m]	DC	ROBERTSO
1200.0	[m]	DC	ROBERTSO
1210.0	[m]	DC	ROBERTSO
1220.0	[m]	DC	ROBERTSO
1230.0	[m]	DC	ROBERTSO
1230.0	[m]	DC	GEOCH
1240.0	[m]	DC	ROBERTSO
1250.0	[m]	DC	ROBERTSO
1260.0	[m]	DC	ROBERTSO
1270.0	[m]	DC	ROBERTSO
1270.0	[m]	DC	GEOCH
1280.0	[m]	DC	ROBERTSO
1290.0	[m]	DC	ROBERTSO
1290.0	[m]	DC	GEOCH
1300.0	[m]	DC	ROBERTSO
1310.0	[m]	DC	ROBERTSO
1320.0	[m]	DC	ROBERTSO
1330.0	[m]	DC	ROBERTSO
1340.0	[m]	DC	ROBERTSO
1350.0	[m]	DC	ROBERTSO
1360.0	[m]	DC	ROBERTSO
1370.0	[m]	DC	ROBERTSO
1380.0	[m]	DC	ROBERTSO
1380.0	[m]	DC	GEOCH
1390.0	[m]	DC	ROBERTSO
1400.0	[m]	DC	ROBERTSO
1410.0	[m]	DC	GEOCH
1420.0	[m]	DC	RRI
1430.0	[m]	DC	GEOCH
1440.0	[m]	DC	RRI
1460.0	[m]	DC	RRI
1480.0	[m]	DC	RRI
1500.0	[m]	DC	RRI
1520.0	[m]	DC	RRI
1540.0	[m]	DC	RRI
1560.0	[m]	DC	RRI
1580.0	[m]	DC	RRI
1600.0	[m]	DC	RRI
1620.0	[m]	DC	RRI
1640.0	[m]	DC	RRI



1660.0 [m]	DC	RRI
1680.0 [m]	DC	RRI
1700.0 [m]	DC	RRI
1720.0 [m]	DC	RRI
1740.0 [m]	DC	RRI
1760.0 [m]	DC	RRI
1780.0 [m]	DC	RRI
1800.0 [m]	DC	RRI
1820.0 [m]	DC	RRI
1840.0 [m]	DC	RRI
1860.0 [m]	DC	RRI
1880.0 [m]	DC	RRI
1900.0 [m]	DC	RRI
1920.0 [m]	DC	ROBERT
1940.0 [m]	DC	RRI
1960.0 [m]	DC	RRI
1980.0 [m]	DC	RRI
2000.0 [m]	DC	RRI
2020.0 [m]	DC	RRI
2040.0 [m]	DC	RRI
2060.0 [m]	DC	RRI
2080.0 [m]	DC	RRI
2100.0 [m]	DC	RRI
2120.0 [m]	DC	RRI
2140.0 [m]	DC	RRI
2160.0 [m]	DC	RRI
2180.0 [m]	DC	RRI
2200.0 [m]	DC	RRI
2220.0 [m]	DC	RRI
2240.0 [m]	DC	RRI
2260.0 [m]	DC	RRI
2280.0 [m]	DC	RRI
2300.0 [m]	DC	RRI
2320.0 [m]	DC	RRI
2335.0 [m]	DC	RRI
2340.0 [m]	DC	RRI
2350.0 [m]	DC	RRI
2360.0 [m]	DC	RRI
2365.0 [m]	DC	RRI
2380.0 [m]	DC	RRI



2395.0	[m]	DC	RRI
2400.0	[m]	DC	RRI
2410.0	[m]	DC	RRI
2415.0	[m]	DC	RRI
2425.0	[m]	DC	RRI
2430.0	[m]	DC	RRI
2440.0	[m]	DC	RRI
2460.0	[m]	DC	RRI
2480.0	[m]	DC	RRI
2500.0	[m]	DC	RRI
2520.0	[m]	DC	RRI
2535.0	[m]	DC	RRI
2560.0	[m]	DC	RRI
2580.0	[m]	DC	RRI
2600.0	[m]	DC	RRI
2620.0	[m]	DC	RRI
2640.0	[m]	DC	RRI
2660.0	[m]	DC	RRI
2680.0	[m]	DC	RRI
2700.0	[m]	DC	RRI
2720.0	[m]	DC	RRI
2740.0	[m]	DC	RRI
2760.0	[m]	DC	RRI
2780.0	[m]	DC	RRI
2800.0	[m]	DC	RRI
2818.0	[m]	DC	RRI
2833.0	[m]	DC	RRI
2878.0	[m]	DC	RRI
2893.0	[m]	DC	RRI
2908.0	[m]	DC	RRI
2928.0	[m]	DC	RRI
2938.0	[m]	DC	RRI
2953.0	[m]	DC	RRI
2968.0	[m]	DC	RRI
2983.0	[m]	DC	RRI
2998.0	[m]	DC	RRI
3013.0	[m]	DC	RRI
3028.0	[m]	DC	RRI
3043.0	[m]	DC	RRI
3058.0	[m]	DC	RRI



3073.0	[m]	DC	RRI
3088.0	[m]	DC	RRI
3103.0	[m]	DC	RRI
3118.0	[m]	DC	RRI
3130.0	[m]	DC	RRI
3133.0	[m]	DC	RRI
3148.0	[m]	DC	RRI
3160.0	[m]	DC	RRI
3190.0	[m]	DC	RRI
3215.0	[m]	SWC	OD
3220.0	[m]	DC	RRI
3224.0	[m]	SWC	RRI
3227.5	[m]	C	OD
3229.1	[m]	C	OD
3229.1	[m]	C	RRI
3229.2	[m]	C	OD
3229.2	[m]	C	OD
3231.6	[m]	C	OD
3233.2	[m]	C	OD
3233.3	[m]	C	RRI
3233.9	[m]	C	OD
3235.0	[m]	DC	RRI
3236.3	[m]	C	OD
3236.3	[m]	C	OD
3236.5	[m]	C	RRI
3236.6	[m]	C	OD
3239.2	[m]	C	OD
3240.7	[m]	C	OD
3241.8	[m]	C	OD
3241.9	[m]	C	OD
3243.5	[m]	C	OD
3249.1	[m]	C	OD
3249.5	[m]	C	RRI
3250.0	[m]	DC	RRI
3250.4	[m]	C	OD
3250.4	[m]	C	OD
3252.0	[m]	C	OD
3253.9	[m]	C	OD
3254.9	[m]	C	OD
3254.9	[m]	C	OD



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 16:19

3255.7	[m]	C	OD
3257.1	[m]	C	OD
3257.2	[m]	C	OD
3257.2	[m]	C	RRI
3257.6	[m]	C	OD
3258.9	[m]	C	OD
3259.7	[m]	C	OD
3260.0	[m]	C	OD
3260.1	[m]	C	RRI
3260.5	[m]	C	OD
3260.8	[m]	C	OD
3261.9	[m]	C	OD
3262.5	[m]	C	OD
3264.0	[m]	C	OD
3264.5	[m]	C	OD
3265.0	[m]	DC	STATOIL
3265.7	[m]	C	OD
3266.9	[m]	C	OD
3266.9	[m]	C	OD
3266.9	[m]	C	RRI
3267.5	[m]	C	OD
3269.0	[m]	C	OD
3269.0	[m]	C	OD
3270.2	[m]	C	RRI
3270.5	[m]	C	OD
3270.5	[m]	C	OD
3271.7	[m]	C	OD
3271.7	[m]	C	OD
3272.8	[m]	C	OD
3273.8	[m]	C	OD
3273.9	[m]	C	OD
3274.4	[m]	C	OD
3274.5	[m]	C	RRI
3275.3	[m]	C	OD
3275.4	[m]	C	OD
3275.9	[m]	C	RRI
3276.3	[m]	C	OD
3276.7	[m]	C	OD
3277.0	[m]	C	RRI
3277.1	[m]	C	OD



3277.1	[m]	C	OD
3278.2	[m]	C	OD
3278.3	[m]	C	OD
3278.3	[m]	C	OD
3280.0	[m]	DC	RRI
3280.0	[m]	C	RRI
3280.2	[m]	C	OD
3281.7	[m]	C	OD
3283.4	[m]	C	OD
3284.9	[m]	C	OD
3285.0	[m]	C	RRI
3285.0	[m]	C	OD
3285.7	[m]	C	OD
3285.8	[m]	C	OD
3287.5	[m]	C	OD
3287.6	[m]	C	OD
3288.1	[m]	C	RRI
3288.3	[m]	C	RRI
3288.5	[m]	C	OD
3288.5	[m]	C	OD
3288.7	[m]	C	OD
3290.5	[m]	C	OD
3291.9	[m]	C	RRI
3292.0	[m]	C	OD
3292.1	[m]	C	RRI
3294.0	[m]	SWC	RRI
3295.0	[m]	DC	RRI
3310.0	[m]	DC	RRI
3319.0	[m]	SWC	RRI
3330.0	[m]	SWC	RRI
3330.0	[m]	C	RRI
3331.0	[m]	DC	RRI
3340.0	[m]	DC	RRI
3346.0	[m]	DC	RRI
3361.0	[m]	DC	RRI
3363.0	[m]	SWC	RRI
3368.0	[m]	SWC	RRI
3370.0	[m]	DC	RRI
3376.0	[m]	DC	RRI
3381.0	[m]	SWC	RRI



3391.0 [m]	DC	RRI
3400.0 [m]	DC	RRI
3406.0 [m]	DC	RRI
3421.0 [m]	DC	RRI
3430.0 [m]	DC	RRI
3432.5 [m]	SWC	RRI
3436.0 [m]	DC	RRI
3447.5 [m]	SWC	RRI
3451.0 [m]	DC	RRI
3457.5 [m]	SWC	RRI
3460.0 [m]	DC	RRI
3466.0 [m]	DC	RRI
3481.0 [m]	DC	RRI
3490.0 [m]	DC	RRI
3496.0 [m]	DC	RRI
3500.5 [m]	SWC	RRI
3511.0 [m]	DC	RRI
3517.0 [m]	SWC	RRI
3520.0 [m]	DC	RRI
3526.0 [m]	DC	RRI
3533.0 [m]	SWC	RRI
3541.0 [m]	DC	RRI
3550.0 [m]	DC	RRI
3559.0 [m]	DC	RRI
3574.0 [m]	DC	RRI
3577.0 [m]	SWC	RRI
3580.0 [m]	DC	RRI
3589.0 [m]	DC	RRI
3604.0 [m]	DC	RRI
3610.0 [m]	DC	RRI
3612.0 [m]	SWC	RRI
3619.0 [m]	DC	RRI
3620.5 [m]	SWC	RRI
3634.0 [m]	DC	RRI
3637.5 [m]	SWC	OD
3640.0 [m]	DC	RRI
3649.0 [m]	DC	RRI
3654.5 [m]	SWC	RRI
3659.5 [m]	SWC	OD
3664.0 [m]	DC	RRI



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 16:19

3670.0	[m]	DC	RRI
3670.5	[m]	SWC	RRI
3672.5	[m]	SWC	OD
3679.0	[m]	DC	OD
3697.0	[m]	SWC	RRI
3697.0	[m]	SWC	OD
3701.5	[m]	SWC	RRI
3706.5	[m]	SWC	OD
3706.5	[m]	SWC	OD
3713.0	[m]	SWC	RRI
3730.5	[m]	SWC	RRI
3751.0	[m]	DC	OD
3754.5	[m]	SWC	RRI
3754.5	[m]	SWC	OD
3760.0	[m]	DC	OD
3760.0	[m]	SWC	OD
3769.0	[m]	DC	OD
3777.0	[m]	SWC	RRI
3781.0	[m]	DC	OD
3790.0	[m]	DC	OD
3793.5	[m]	SWC	RRI
3799.0	[m]	DC	OD
3802.0	[m]	SWC	RRI
3809.0	[m]	SWC	OD
3809.5	[m]	SWC	OD
3809.5	[m]	SWC	RRI
3811.0	[m]	DC	OD
3821.5	[m]	SWC	RRI
3828.5	[m]	SWC	RRI
3849.5	[m]	SWC	RRI
3854.5	[m]	SWC	OD
3861.5	[m]	SWC	RRI
3885.0	[m]	SWC	RRI
3885.0	[m]	SWC	OD
3900.0	[m]	SWC	RRI
3912.0	[m]	SWC	OD
3930.0	[m]	SWC	RRI
3956.0	[m]	SWC	RRI
3956.0	[m]	SWC	OD
3956.0	[m]	SWC	OD



3975.0	[m]	SWC	RRI
3995.0	[m]	SWC	OD
4008.5	[m]	SWC	RRI
4053.5	[m]	SWC	RRI

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
295	NORDLAND GP
593	HORDALAND GP
593	NO FORMAL NAME
975	ROGALAND GP
975	BALDER FM
1026	LISTA FM
1100	NO FORMAL NAME
1121	LISTA FM
1145	NO FORMAL NAME
1172	LISTA FM
1400	VÅLE FM
1420	SHETLAND GP
1420	JORSALFARE FM
1500	KYRRE FM
2569	TRYGGVASON FM
2904	BLODØKS FM
2912	SVARTE FM
3181	CROMER KNOLL GP
3181	RØDBY FM
3219	AGAT FM
3510	SOLA FM
3639	ÅSGARD FM
3732	VIKING GP
3732	HEATHER FM
3865	INTRA HEATHER FM SS
3874	HEATHER FM
3955	DUNLIN GP
3955	DRAKE FM
3999	COOK FM
4052	BURTON FM
4060	AMUNDSEN FM



4092 [BASEMENT](#)

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
433	pdf	0.73

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
433_1	pdf	3.64

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
433_01_WDSS_General_Information	pdf	0.17
433_02_WDSS_completion_log	pdf	0.28

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
433_01_Completion_Report	pdf	3.15
433_02_Summary_log	pdf	0.88
433_03_Completion_log	pdf	2.08

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	292	1032
CBL VDL GR	292	2041
CBL VDL GR	1680	3225
CST	2466	3410
CST	3429	4110





FDC CNL GR	1032	3719
HDT	3406	4113
ISF BHC GR	1032	2052
ISF BHC GR CAL	410	1043
ISF BHC MSFL GR	2040	4112
LDL CNL GR	3700	4113
NGS	3700	4100
RFT	3223	3397
RFT	3482	3598
SHDT	2040	3412
VELOCITY	475	4110

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	410.0	36	420.0	0.00	LOT
SURF.COND.	20	1032.0	26	1046.0	1.48	LOT
INTERM.	13 3/8	2041.0	17 1/2	2052.0	1.66	LOT
INTERM.	9 5/8	3406.0	12 1/4	3413.0	1.73	LOT
OPEN HOLE		4114.0	8 1/2	4114.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
308	0.00			seawater	
817	1.11	42.0		water based	
1771	1.15	40.0		water based	
2052	1.93	58.0		water based	
2525	1.17	46.0		water based	
3050	1.22	44.0		water based	
3245	1.25	54.0		water based	
4039	1.29	50.0		water based	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
3229.05	[m]



3229.20	[m]
3231.60	[m]
3233.15	[m]
3233.90	[m]
3236.25	[m]
3237.60	[m]
3240.65	[m]
3241.80	[m]
3241.88	[m]
3243.50	[m]
3244.95	[m]
3245.88	[m]
3248.05	[m]
3249.10	[m]
3250.35	[m]
3251.95	[m]
3253.85	[m]
3254.85	[m]
3254.90	[m]
3255.70	[m]
3257.10	[m]
3239.20	[m]
3258.88	[m]
3259.68	[m]
3260.03	[m]
3260.50	[m]
3260.75	[m]
3261.90	[m]
3262.45	[m]
3264.00	[m]
3264.50	[m]
3265.70	[m]
3266.85	[m]
3266.90	[m]
3267.50	[m]
3268.95	[m]
3269.00	[m]
3270.45	[m]
3270.50	[m]
3271.68	[m]



3271.73	[m]
3272.80	[m]
3273.80	[m]
3273.90	[m]
3274.35	[m]
3275.30	[m]
3275.35	[m]
3276.30	[m]
3276.73	[m]
3277.07	[m]
3277.10	[m]
3278.16	[m]
3278.26	[m]
3278.33	[m]
3280.15	[m]
3281.65	[m]
3283.40	[m]
3284.93	[m]
3285.72	[m]
3287.45	[m]
3287.57	[m]
3288.70	[m]
3290.50	[m]
3292.00	[m]
3227.75	[m]

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]
433 Formation pressure (Formasjonstrykk)	pdf	0.23

