



Generell informasjon

Brønnbane navn	2/9-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/9-2
Seismisk lokalisering	ANO74-90 & SP 100
Utvinningstillatelse	032
Boreoperatør	Amoco Norway Oil Company
Boretillatelse	220-L
Boreinnretning	DYVI ALPHA
Boredager	60
Borestart	07.07.1979
Boreslutt	04.09.1979
Frigitt dato	04.09.1981
Publiseringsdato	26.10.2009
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	68.0
Totalt målt dybde (MD) [m RKB]	4367.0
Maks inklinasjon [°]	10
Temperatur ved bunn av brønnbanen [°C]	115
Eldste penetrerte alder	EARLY PERMIAN
Eldste penetrerte formasjon	ROTLIEGEND GP
Geodetisk datum	ED50
NS grader	56° 20' 56.66" N
ØV grader	3° 56' 0.7" E
NS UTM [m]	6245461.36
ØV UTM [m]	557698.07
UTM sone	31
NPDID for brønnbanen	283



Brønnhistorie

General

Well 2/9-2 is located on the Piggvar Terrace in the southern North Sea. The primary objective was to test a broad structural closure where Jurassic Sands were postulated to be present along the narrow intermediate zone between the Mandal High to the east and the Central Graben to the west.

Operations and results

Wildcat well 2/9-2 was spudded with the semi-submersible installation Dyvi Alpha on 7 July 1979 and drilled to TD at 4367 m in the Early Permian Rotliegend Group. The well was drilled without significant problems. However, four days were spent on retrieving the wear bushing prior to running the 13 3/8-inch casing. The well was drilled to 1513 meters using seawater, spotting high viscous gel pills occasionally while drilling and upon completion of each hole interval. A weighted Gypsum-polymer mud was used below this depth to TD.

The Late Jurassic was encountered at 3653 m, 16 m low to prognosis, confirming the structural interpretation. The Late Jurassic section (3653-4293 m) consisted of 640 meters of predominantly black shale with no sands and was age-dated Middle Kimmeridgian-Portlandian. No Jurassic rocks older than Middle Kimmeridgian were found. From 4290-4325 m, the section was silty and sandy but impermeable. From 4325 m to TD lithology was interpreted to be weathered volcanics of possibly Permian age, with caved Kimmeridgian shales. Stratigraphic and petrophysical data pertinent to further evaluation of the Jurassic zone was secured through the acquisition of one conventional core and an almost complete set of open hole logs. Poor to very poor shows were seen in the intervals 4135 - 4155 m and 4160 - 4182.5 m in the Late Jurassic. They were described as 0-15% dull yellow fluorescence, slow streaming, low intensity, blue-white cut.

One conventional core was cut in the Late Jurassic from 3897 - 3916 m with 100% recovery. Sidewall coring was abandoned as the tool became stuck in the hole at 3460 m. No wire line pressure points or fluid samples were taken.

The well was permanently abandoned on 4 September 1979 as a dry well.

Testing

No drill stem test was performed.

Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3897.0	3915.0	[m]

Total kjerneprøve lengde [m]	18.0
Kjerne tilgjengelig for prøvetaking?	YES



Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
3897.1	[m]	C	HRS
3905.6	[m]	C	HRS
3912.8	[m]	C	HRS

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
93	NORDLAND GP
1560	HORDALAND GP
2927	ROGALAND GP
2927	BALDER FM
2945	SELE FM
2982	LISTA FM
3029	VÅLE FM
3039	SHETLAND GP
3039	EKOFISK FM
3126	TOR FM
3412	HOD FM
3471	CROMER KNOLL GP
3471	RØDBY FM
3524	ÅSGARD FM
3653	TYNE GP
3653	MANDAL FM
3755	FARSUND FM
4032	HAUGESUND FM
4292	VESTLAND GP
4292	ULA FM
4316	ROTLIEGEND GP

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
283_1	pdf	2.46





283_2	pdf	4.45
283_3	pdf	0.34
283_4	pdf	0.11
283_5	pdf	2.52

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
283_01_WDSS_General_Information	pdf	0.11
283_02_WDSS_completion_log	pdf	0.26

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
283_01_2_9_2_Completion_Log	pdf	2.23
283_01_2_9_2_Completion_report	pdf	7.94

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC AL IEL GR SP	153	363
BHC AL IEL GR SP	358	1714
BHC AL IEL GR SP	1701	3510
BHC AL IEL GR SP	3499	4670
CBL VDL	93	1675
CBL VDL	1290	3500
CDL CDN GR C	3499	4367
DIPLOG	1701	3510
DIPLOG	3499	4367
DLL MLL GR SP	3499	4367
VELOCITY	3499	4367

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	153.0	36	155.0	0.00	LOT
SURF.COND.	20	357.0	26	365.0	1.38	LOT
INTERM.	13 3/8	1701.0	17 1/2	1718.0	1.70	LOT
INTERM.	9 5/8	3499.0	12 1/4	3510.0	2.09	LOT
OPEN HOLE		4367.0	8 3/8	4367.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
365	1.04	80.0		waterbased	
1440	1.03	27.0		waterbased	
1719	1.56	38.0		waterbased	
2050	1.62	49.0		waterbased	
3542	1.59	42.0		waterbased	
3923	1.58	52.0		waterbased	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
3904.00	[m]
3907.00	[m]