



Generell informasjon

Brønnbane navn	34/11-6 S
Type	EXPLORATION
Formål	WILDCAT
Status	RE-CLASS TO DEV
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	VALEMON
Funn	34/11-6 S (Valemon Vest)
Brønn navn	34/11-6
Seismisk lokalisering	
Utvinningstillatelse	193 D
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1641-L
Boreinnretning	WEST ELARA
Boredager	87
Borestart	01.11.2016
Boreslutt	26.01.2017
Frigitt dato	26.01.2019
Publiseringsdato	04.04.2019
Opprinnelig formål	WILDCAT
Reklassifisert til brønnbane	34/11-B-11
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	JURASSIC
1. nivå med hydrokarboner, formasjon.	TARBERT FM
2. nivå med hydrokarboner, alder	JURASSIC
2. nivå med hydrokarboner, formasjon	NESS FM
Avstand, boredekk - midlere havflate [m]	69.0
Vanndybde ved midlere havflate [m]	133.5
Totalt målt dybde (MD) [m RKB]	7126.0
Totalt vertikalt dybde (TVD) [m RKB]	4405.0
Maks inklinasjon [°]	67.3
Eldste penetrerte alder	JURASSIC



Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	61° 2' 26.72" N
ØV grader	2° 20' 19.68" E
NS UTM [m]	6767667.75
ØV UTM [m]	464282.90
UTM sone	31
NPDID for brønnbanen	8059

Brønnhistorie

General

Well 34/11-6 S is an exploration well in Valemon West, located west of the Valemon Main Field in the North Sea. The well objective was to prove and test the Brent Formation for hydrocarbons in the E-segment. If commercial, the well was to be completed and put directly on production from the Valemon platform.

Operations and results

Wildcat well 34/11-6 S was spudded with the jack-up installation West Elara on 1 November 2016 and drilled to TD at 7126 m (4405 m TVD) m in the Early Jurassic Drake Formation. Lost circulation was experienced in the 17 ½" hole, otherwise operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 356 m, with water-based CMC mud from 356 to 1284 m, with Versatec oil-based mud from 1284 m to 4471 m, and with WARP oil-based mud from 4468 m to TD.

Top Tarbert Formation was encountered at 6837 m (4154 m TVD). Tarbert and Ness Formations were gas bearing down to 6985 m (4281 m TVD). Tarbert and Ness lie on two different gas gradients, with the Ness gas gradient 4 bar higher than the Tarbert gradient.

A gas peak of max 8% was observed at 2446 m in the upper part of the sand interval in Lista Formation. Any hydrocarbon fluorescence that could have been present was masked by the OBM and therefore detection of oil shows in the cuttings was not feasible.

No cores were cut. No fluid sample was taken on wireline, but single-phase fluid samples taken at the well head contained 3.6% CO₂, 84.6% methane and 11.6% C₂+ hydrocarbons.

The well was completed on 26 January as a gas discovery. On 2 February it was re-classified as a producer with well name 34/11-B-11.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
4510.00	7126.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
203	NORDLAND GP
893	UTSIRA FM
1068	HORDALAND GP
1301	UNDEFINED GP
2218	ROGALAND GP
2218	BALDER FM
2307	SELE FM
2322	LISTA FM
2624	SHETLAND GP
2624	JORSALFARE FM
2626	SHETLAND GP
3205	KYRRE FM
4841	TRYGGVASON FM
5978	SVARTE FM
6208	CROMER KNOLL GP
6208	RØDBY FM
6260	SOLA FM
6414	ÅSGARD FM
6525	MIME FM
6538	VIKING GP
6538	DRAUPNE FM
6599	HEATHER FM
6837	BRENT GP
6837	TARBERT FM
6944	NESS FM
7033	ETIVE FM
7057	RANNOCH FM
7105	DUNLIN GP
7105	DRAKE FM



Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD	203	367
MWD - GR RES ECD	367	6563
MWD - GR RES ECD DEN NEU PRES SO	6563	7126

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	367.0	36	367.5	0.00	
SURF.COND.	20	1277.0	26	1284.0	0.00	
INTERM.	13 5/8	4437.9	17 1/2	4468.0	1.86	FIT
INTERM.	9 7/8	6553.0	12 1/4	6563.0	2.11	FIT
LINER	7	7082.5	8 1/2	7126.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
367	1.35	25.0		CMC Spud	
367	1.03	25.0		Spud Mud	
367	1.35	30.0		Glydril	
431	1.04	12.0		Spud Mud	
572	1.18	11.0		Spud Mud	
754	1.16	14.0		Spud Mud	
1284	1.14	18.0		Spud Mud	
1284	1.09	17.0		Spud Mud	
1632	1.39	35.0		Versatec	
1854	1.42	36.0		Versatec	
1939	1.46	38.0		Versatec	
4468	1.46	42.0		Versatec	
4470	1.73	54.0		WARP	
6446	1.74	55.0		WARP	
6576	1.98	50.0		WARP	
6728	1.97	49.0		WARP	
6760	1.98	49.0		WARP	
6814	1.97	48.0		WARP	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 16.5.2024 - 10:05

6831	1.96	48.0		WARP	
6871	1.95	47.0		WARP	
6974	1.96	48.0		WARP	
7032	1.95	53.0		WARP	
7054	1.96	54.0		WARP	
7126	1.96	60.0		WARP	