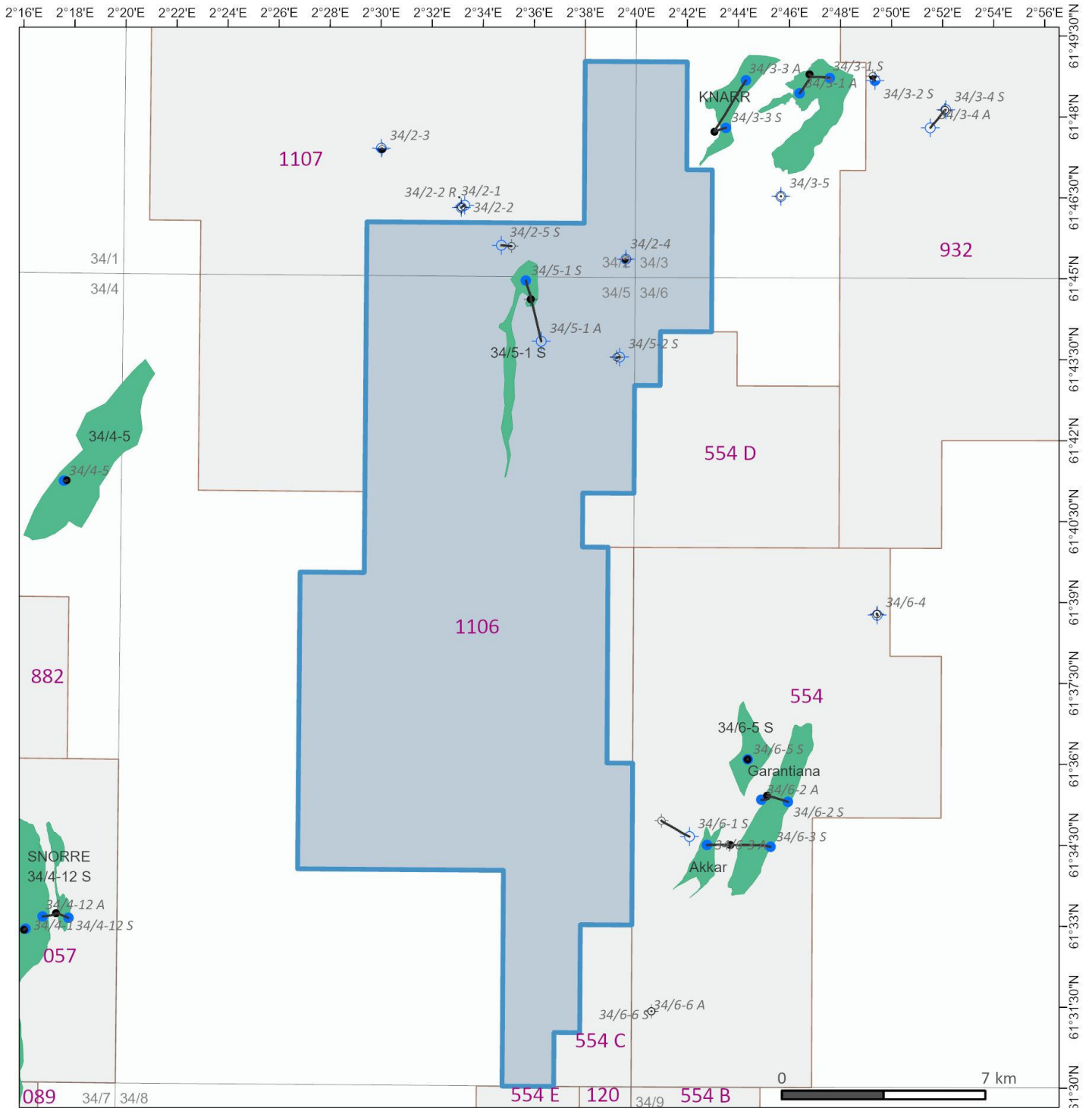


Relinquishment report PL1106



2024

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1 License history

PL1106 covers part of blocks 34/2, 3, 5, 6 in the Tampen Spur area of the North Sea. The license covers the Amoco High (Fig. 1.1).

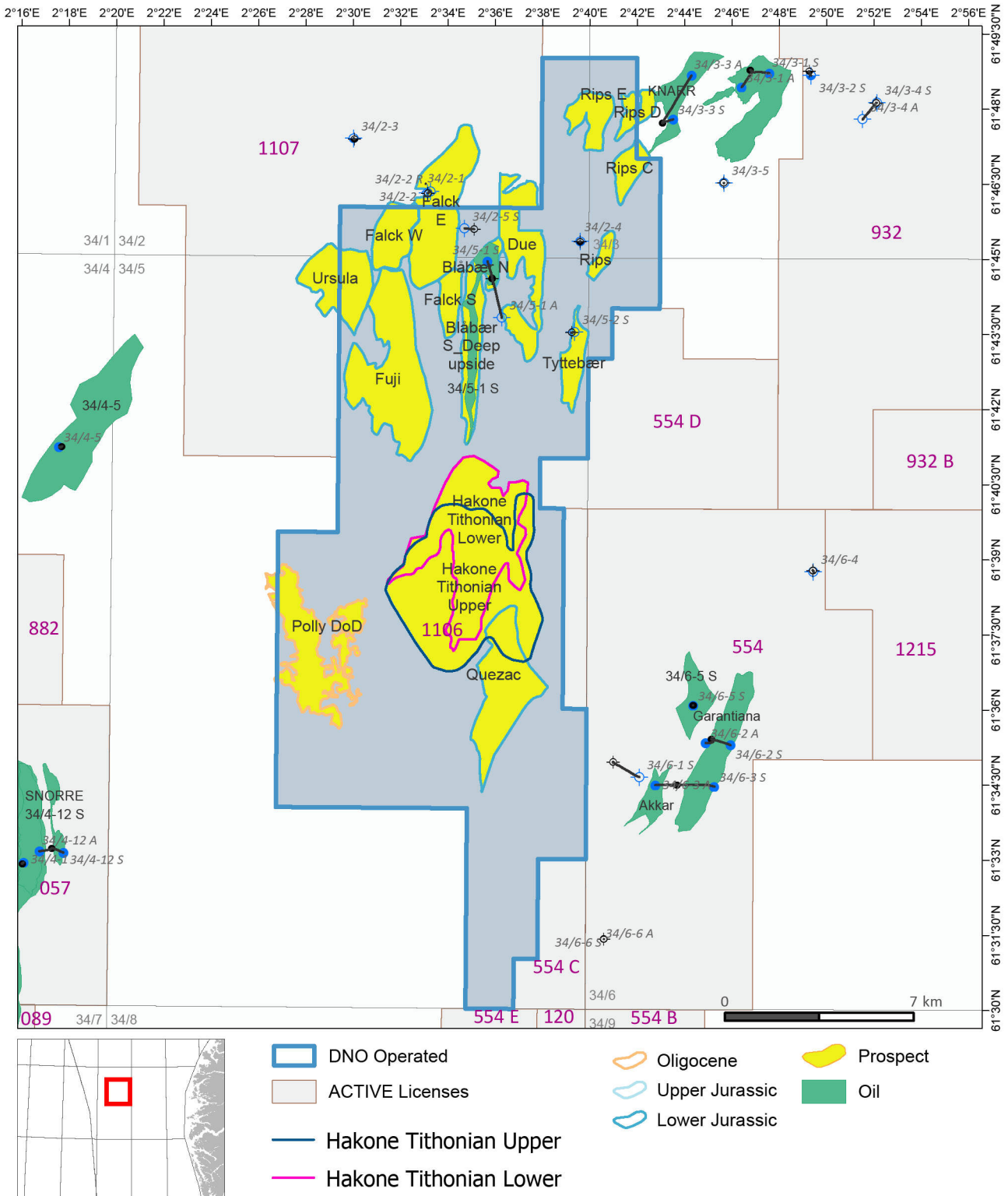


Fig. 1.1 PL1106 location map

PL1106 was awarded to DNO Norge AS (40% equity) as operator in March 2021 as part of the APA2020 licensing round. Partners at the time of award were Lundin Norge AS (now Aker BP ASA) with 20%, Petrolia NOCO AS with 20% and Petoro AS with 20% (see Table 1.1). Lundin Norge AS merged with Aker BP ASA in 2022, keeping the Lundin share in the license (see Table 1.2). The license applied for one year extension to await the acquisition and processing of the CGG23M01-NVG21PH2-DAZ (CGG23DAZ) dual azimuth seismic survey covering the license area. The license group wanted to utilize the most modern and technical advanced seismic for the license evaluation. The license extension was granted, and DoD period extended to 19.02.2024.

Table 1.1 PL1106 initial partnership and work program

PL	Block(s)	Companies	O/P	Share (%)	Work obligation and decisions		
					Phase	Duration (yrs)	Activity/decision
1106	34/2,3,5,6	DNO Norge AS	O	40	1	2	Acquire and/or reprocess 3D seismic. Acquire and perform G&G studies
		Lundin Energy Norway AS	P	20	Decision: Drill or Drop		
		Petrolia NOCO AS	P	20	2	2	Drill exploration well
		Petoro AS	P	20	Decision: Concretize (BoK) or Drop		
					3	4	Conceptual studies
						Decision: Continuation (BoV) or Drop	
					4	1	Prepare development plan
					Decision: Submit PDO or Drop		

Table 1.2 PL1106 end of license partnership

Company	O/P	Share (%)
DNO Norge AS	O	40%
Aker BP ASA	P	20%
Petrolia NOCO AS	P	20%
Petoro AS	P	20%

The initial work commitment was fulfilled by purchasing modern vintage CGG23DAZ seismic data and finalizing G&G studies. Table 1.3 lists meetings held in the licence.

Table 1.3 License meeting overview

Year	Date	Meeting classification	Main meeting purpose
2021	19.04.21	ECMC#1	License start-up
	27.09.21	EC work meeting	Seismic conditioning
	23.11.21	ECMC#2	Studies update
2022	22.06.22	ECMC#3	Studies update, CGG23DAZ recommendation
	30.06.22	EC work meeting	Potential APA2022 license extension
	12.08.22	EC work meeting	Potential APA2022 license extension
	22.11.22	ECMC #4	Cook Formation focus, LFP modelling, Skolithos study, field trip proposal
2023	29.06.23	ECMC #5	Upper Jurassic focus, LFP modelling, Terractiva structural study, basin modelling
	10.11.23	EC work meeting	Hakone prospect evaluation
	07.12.23	ECMC #6	Hakone prospect TecEc / Cook Formation evaluation
2024	30.01.24	ECMC #7	License DoD recommendation

The main Prospect, Hakone, is defined as an intra Draupne stratigraphic truncation/ pinch-out trap located within a clearly defined Top Heather Oxfordian UNC (J56) canyon. Originally defined as the BCU to Top Heather envelope. It has been re-defined as two prospects; Hakone Tithonian Upper and Hakone Tithonian Lower. The Hakone Tithonian Lower carries small volumes and has been disregarded in the economic evaluation due to negative production value. The Hakone Tithonian Upper is defined as a top reservoir up-dip truncation (pinch-out) by the BCU. Base reservoir defined by the Tithonian unconformity (J66). The Prospect is reliant on reservoir shale out down-dip / along slope. Colored inversion and QI (quantitative interpretation) techniques have been utilized to define trap and reservoir presence. Reservoir quality is defined as the main risk. It is situated within the Draupne Formation shale which is interpreted to be a very prolific oil mature source rock in the area.

The Hakone Tithonian Upper mean recoverable resources is **5.67E6 Sm³ OE (35.7 MMboe)**, with a P90-P10 range of 2.0-11.3E6 Sm³ OE (12.5-70.9 MMboe) and a **CoS of 0.38**. The Hakone Tithonian Lower mean recoverable resources is **1.0E6 Sm³ OE (6.2 MMboe)**, with a P90-P10 range of 0.2-2.3E6 Sm³ OE (1.1-14.4 MMboe) and a **CoS of 0.20**. The Hakone Tithonian Upper (and Lower) Prospect has been concluded uneconomic. No upside prospectivity has been identified in the Upper Jurassic play within the license and limited potential in the Cook and Skade/Vade formations.

Given the limited resources associated to the main and the remaining prospectivity, DNO Norge reached the conclusion to propose relinquishment of the licence. A formal recommendation to surrender the acreage was made at the exploration/management committee meeting on 30.01.2024. The licensees supported the recommendation.

2 Database overview

Seismic and well database are shown in Fig. 2.1

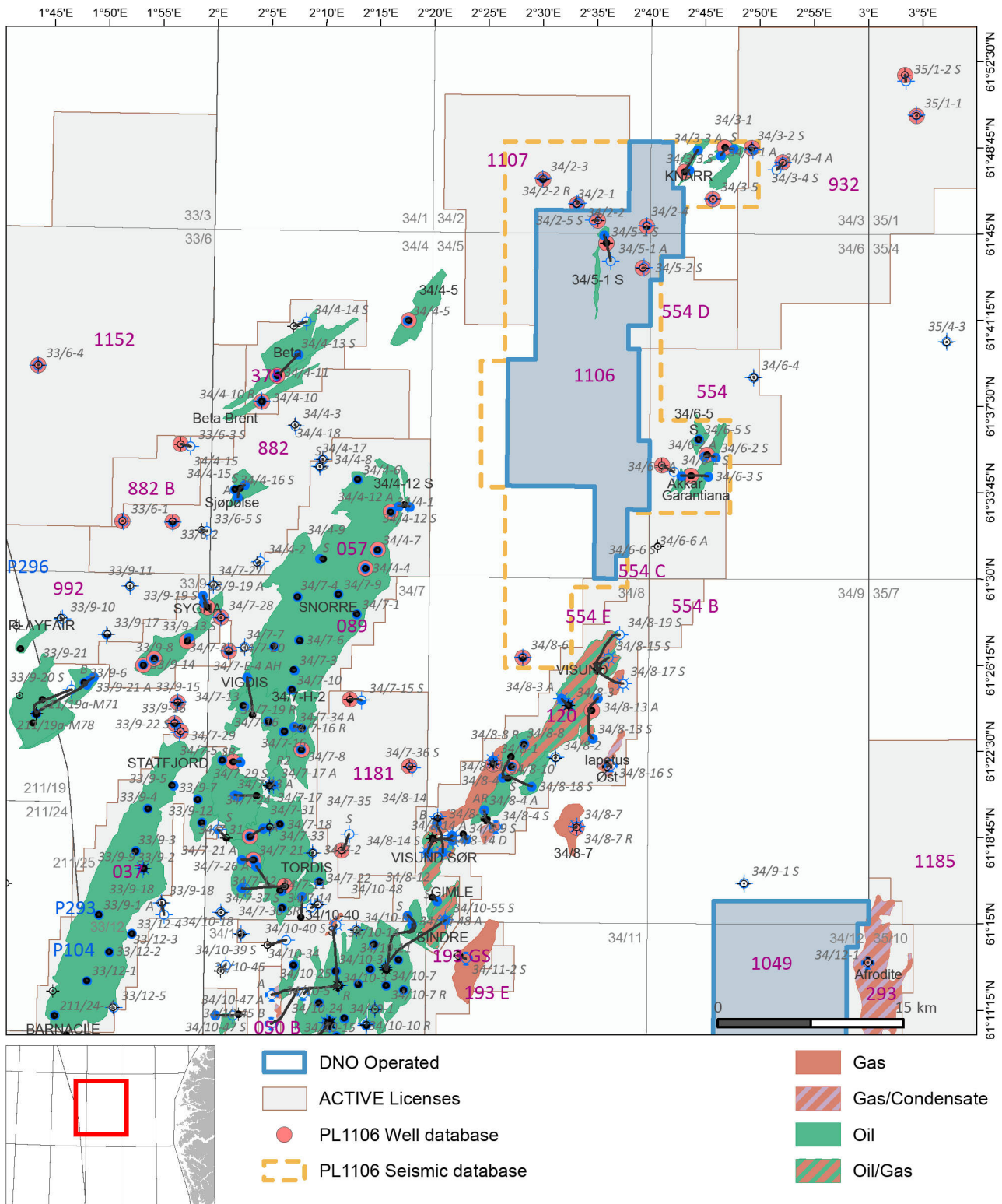


Fig. 2.1 PL1106 seismic and well database

2.1 Seismic data

Main part of the work program was to purchase and/or reprocess seismic data. Seismic gather conditioning was performed on the CGG18 PSDM gathers with partly success. DNO suggested including the ongoing CGG23DAZ survey in the common seismic database. The CGG23DAZ consists of reprocessing of the northsouth acquired CGG17M01-NVG HORDA-TAMPEN survey (NSRE) and eastwest acquired CGG23M01-NVG21-EW (EW). CGG15-16 was acquired during 2014-2016 using CGG's BroadSeis™ and BroadSource™ configuration. The CGG23M01-NVG21-EW was acquired 2020-22 by ShareWater using triple source multi sensor streamer (IsoMetrix) configuration.

As an early participant in purchasing the full area CGG23DAZ, DNO got to select a proprietary target area DAZ processing. DNO chose PL1106 area and partners got access to the processing. The PL1106 proprietary processing is named "CGG21M04 DAZ - PL1106 AREA". Surveys listed in Table 2.1. The common seismic database area is 583km² (outlined in Fig. 2.1).

Table 2.1 PL1106 seismic database

Survey name	NPDID	Acquisition year	2D / 3D	Phase	Polarity	Quality
CGG18M01-NVG PSDM	**	*	2018	Zero	Normal	High
CGG23M01-NVG21PH2-DAZ	**	*	2023	Zero	Normal	High
CGG21M04 DAZ - PL1106 AREA	**	*	2023	Zero	Normal	High

* Underlying original surveys CGG14003 , CGG14006, CGG15001, CGG15003, CGG15004, CGG15005, CGG15007,CGG16001, CGG20001, CGG21001, CG22002.

** Corresponding NPDID: 7984, 8128, 8179, 8194, 8195, 8196, 8252, 8 332, 9120, 10016, 10313.

2.2 Well data

A list of all the relevant wells and their use in the license evaluation is provided in Table 2.2.

Table 2.2 PL1106 well database

Well name	NPDID	Drilling operator	Completion date	Well result	Skolithos study	Petrophysics	Oil family study	Seismic to well tie	Geophysical modelling
33/6-1	405	Agip	06-07-1979	Dry	X	X		X	
33/6-2	2873	Mobil	02-01-1997	Shows	X	X		X	X
33/6-3 S	6835	Suncor	24-07-2012	Dry	X	X		X	
33/6-4	6835	Wintershall	03-08-2012	Dry				X	
33/9-8	413	Mobil	18-02-1977	Oil	X	X		X	
33/9-13 S	1028	Den norske stats oljeselskap	24-12-1987	Oil			X	X	
33/9-14	1226	Den norske stats oljeselskap	09-04-1988	Oil	X	X		X	
33/9-15	1810	Den norske stats oljeselskap	08-06-1992	Shows	X	X		X	
33/9-16	1801	Mobil	20-01-1993	Shows	X	X		X	X
33/9-19 S	2830	Den norske stats oljeselskap	23-07-1996	Oil			X	X	
33/9-22S	8248	Wellesley	00-01-1900	Dry		X		X	X
33/12-10S	7486	Lundin	00-01-1900	Dry				X	
34/2-2 R	497	Amoco	08-05-1981	Dry	X	X	X	X	
34/2-3	421	Amoco	13-08-1981	Shows	X	X	X	X	
34/2-4	467	Amoco	11-06-1985	Oil shows	X	X	X	X	
34/2-5 S	8335	Aker BP	31-03-2018	Dry	X	X		X	X
34/3-1 A	5921	BG	30-10-2008	Oil	X	X		X	
34/3-1 S(T2)	5811	BG	10-09-2008	Oil	X	X	X	X	
34/3-2 S	6249	BG	30-12-2009	Shows	X	X	X	X	
34/3-3 A	6745	BG	03-01-2012	Oil	X	X	X	X	
34/3-3 S	6588	BG	19-11-2011	Oil	X	X		X	X
34/3-4 A	7606	BG	27-11-2014	Dry		X		X	
34/3-4 S	7605	BG	26-11-2014	Dry		X		X	X
34/3-5	7646	BG	16-04-2015	Dry	X	X		X	X
34/4-1	422	Saga	16-12-1979	Oil			X	X	
34/4-4	41	Saga	03-12-1983	Oil		X	X	X	
34/4-5	37	Saga	06-04-1984	Oil	X	X		X	
34/4-7	947	Saga	12-05-1087	Oil			X	X	
34/4-10 R	4051	Saga	18-04-2000	Oil	X	X	X	X	
34/4-11	6227	Petro-Canada	10-01-2010	Oil			X	X	
34/5-1 A	6352	BG	10-04-2010	Dry	X	X		X	
34/5-1 S	6307	BG	13-03-2010	Oil	X	X	X	X	X
34/5-2S	8448	Shell	04-01-2019	Shows	X	X		X	X
34/6-1 S	4561	Conoco	28-08-2002	Dry	X	X		X	X
34/6-2 S	6971	Total	11-05-2012	Oil	X	X	X	X	X
34/6-3 S	7468	Total	25-09-2014	Oil	X	X		X	X
34/7-8	878	Saga	11-04-1986	Oil	X			X	
34/7-15 S	1544	Saga	03-09-1990	Shows		X	X	X	X
34/7-20	1967	Saga	27-08-1992	Shows	X	X		X	
34/7-21	2026	Saga	11-12-1992	Oil	X	X		X	X
34/7-21 A	2068	Saga	12-02-1993	Oil	X	X		X	X
34/7-26 A	3329	Saga	26-02-1998	Oil	X	X		X	
34/7-26 SR	3315	Saga	02-02-1998	Oil	X	X		X	
34/7-28	3282	Saga	02-03-1998	Dry	X	X		X	
34/7-29 S(R)	3702	Saga	14-04-2000	Oil	X	X		X	
34/7-31	4214	Norsk Hydro	13-04-2001	Oil	X	X		X	
34/7-33(T2)	5917	StatoilHydro	00-01-1900	Dry		X		X	
34/7-35 S	6881	Statoil	22-07-2012	Dry		X		X	
34/7-36 S	7524	Den norske oljeselskap	17-09-2014	Dry		X		X	X
34/8-A-33	5834	StatoilHydro	18.08.2008	Oil		X		X	X
34/8-1	854	Hydro	08-03-1986	Oil		X	X	X	X
34/8-6	1842	Norsk Hydro	11-03-1991	Shows		X	X	X	
34/8-7 R	2057	Norsk Hydro	10-02-1993	Gas		X		X	
34/8-11	2180	Hydro	08-02-1994	Oil		X	X	X	
34/8-13 A	6024	StatoilHydro	13-05-2009	Oil	X	X		X	
35/1-1	4541	Phillips Petroleum	29-05-2002	Dry	X	X		X	
35/1-2S	6427	Statoil	19-12-2010	Dry	X	X		X	

3 Geological and geophysical studies

There were several key studies that had an impact on the volumes and risk for the main prospects which include the CGG23DAZ, Terractiva 2D / 3D structural reconstruction and LFP / AVO / QI (Lithology Fluid Prediction / Amplitude Versus offset / Quantitative Interpretation) studies. Table 3.1 lists the geological and geophysical studies carried out in aid of the technical evaluation.

Table 3.1 Studies performed in the license

Study	Vendor
3D purchase/ seismic reprocessing	CGG
Sedimentological and biostratigraphy study (Upper Jurassic, Cook Fm)	Skolithos
2D / 3D structural reconstruction	Terractiva
Fuji prospect fault seal	Terractiva
Oil families - source signature	Lundin (APT)
Basin modelling	APT
Petrophysics	DNO internal
Reservoir petrography (Cook Fm)	Stratum
LFP / AVO / QI (Upper Jurassic, Cook Fm & Oligocene)	DNO internal

3D purchase/ seismic reprocessing

A seismic gather conditioning was performed on the CGG18 PSDM gathers. CGG18 PSDM gathers are of varying quality within the greater CGG18 area. They are of decent quality in the license area, but has issues with remaining multiple energy and gather flatness in larger offsets. The gather conditioning resulted in cleaner final stacks and higher vertical resolution in the Upper Jurassic section. The conditioning workflow broke down in the Lower Jurassic where energy leakage and smearing could be observed. It was decided to include the CGG23DAZ in the common seismic database, also including the PL1106 area proprietary processing. The CGG23DAZ has a state-of-the-art workflow, incorporating latest developments in signal processing (for de-ghosting and de-multiple). Likewise, the imaging models are supported by multi-layer tomography and Time-Lag Full Waveform Inversion (LWFI) using both azimuths simultaneously to invert the full wave-field, including reflections. The eastwest azimuth provides subsurface illumination which is complementary to the northsouth survey, deploying a triple-source configuration for dense wave-field sampling and IsoMetrix streamers. In addition, the eastwest azimuth is also shot in an optimal direction as most of the faults are trending North-South in the application area.

Sedimentology and biostratigraphy study (Upper Jurassic, Cook)

The aim for the study was a stratigraphic review of the Cromer Knoll, Viking, Brent, and Dunlin Groups for PL1106. The Upper Jurassic has not been a target in wells on the Amoco High, hence no Upper Jurassic sand has been encountered in the vicinity. Several Upper Jurassic wedges are observed around the Amoco High. The Hakone Prospect is situated in this type of setting within the license. Hence, Upper Jurassic sand depositional model is based on analog reservoir deposition in the greater Tampen area in relation to seismic interpretation, QI, and structural development understanding. The existing biostratigraphic data was reviewed to enable a standardized chronostratigraphic framework (J- and K-sequences: Fraiser et al., 2002) to be applied. The lithostratigraphic picks were also revised following NPD protocol. The core from the Viking and Dunlin groups were reviewed to establish a facies association scheme that can be used to make environmental depositional maps. The Brent Group core was excluded from this study as it was not a focus in the license. Brent Formation is generally shaly in wells where it has been encountered in the area, and assumed shaled-out in the area. The study report documents the following: stratigraphic review, basis of the core-based facies associations, depositional models, Gross Depositional Environmental (GDE) maps, conclusions comparison with published work, and recommendations.

2D / 3D structural reconstruction

The study was divided in two parts 2D reconstruction and 3D back-stripping. The Amoco High has experienced severe erosion all the way down into Triassic aged rocks. The middle- and lower Jurassic sequences are in general of relative even thickness surrounding the high where not eroded (observed in wells and based on seismic interpretation). It is likely that the high was overlain by the same thickness sediments before the Late Jurassic rifting

and uplift. The aim for the study was to investigate the likelihood of upper Jurassic erosion and re-deposition in the Hakone Prospect location. Phase #1 consisted of **2D reconstruction** of 3 semi-regional cross-sections for regional understanding of the greater Amoco High and its surrounding areas. Main outcomes were that the major part of erosion happened during Kimmeridgian and Tithonian times. By late Tithonian the area under erosion was largely Triassic rocks. The high presented a general tilt towards the south to southeast. This will allow for erosional products to be transported southward. The Amoco High likely has been larger than today's expression (result of later folding of the high and severe erosion of the northern part), potentially providing a bigger drainage towards the Pancake Basin during Draupne times. Phase #2 consisted of **3D back-stripping and reconstruction** which reveals a prominent increase of subsidence from south to north since the late Cretaceous. The proto Amoco High was an area prone to erosion at the time of Hakone reservoir deposition (Tithonian). Purely based on the back-stripping exercise, the paleo Amoco High was larger than its present-day expression modified during subsequent subsidence, tilting and erosion. The northern part of the Amoco High could not be reconstructed due to the severe erosion, hence learnings from the 2D reconstruction were integrated introducing a "half-space divider" to evaluate the potential additional erosion area. The de-compacted Amoco High paleo-morphology and consequent "sand migration stream-lines" evaluation shows a clear north to south gradient towards the Hakone Prospect location. It was likely that more than sufficient sand volumes were available for erosion with southward drainage towards the Hakone wedge. See Fig. 3.1.

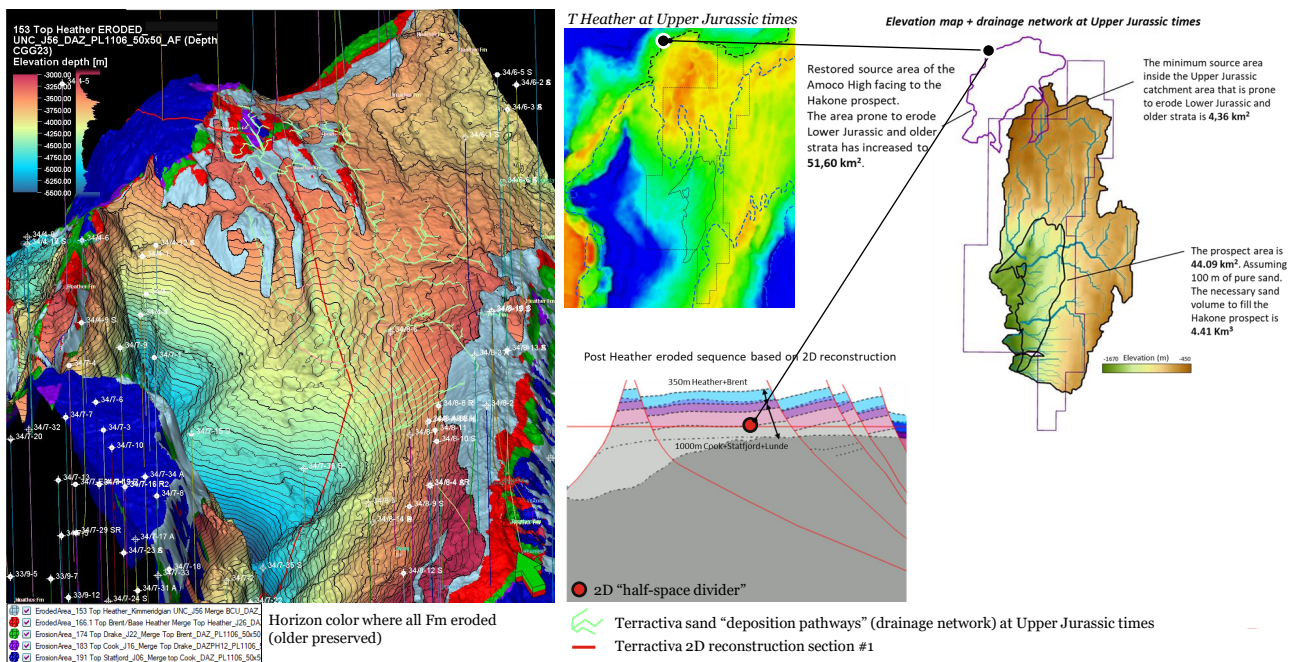


Fig. 3.1 Sand deposition streamlines and eroded formations

Fuji Prospect fault seal

The majority of the reservoir along the eastern master fault is against juxtaposition seal but Cook-Cook juxtaposition is observed in the Northernmost section of the fault. SGR (Shale Gouge Ratio) modelling results along this area predicts a membrane seal capable of holding up to 200m column (de-risking Fuji minimum case). Minimum throw between 40-100m is necessary to hold a 200m column. Fuji northern structural closure against the Falck W Prospect is inconclusive, as the fault throws are below seismic resolution.

Oil family/source signature and petroleum system modelling

The oil family study was based on the APT database and license specific sampling. This result was compared to APT basin modelling PVT (Pressure Volume Temperature) evaluation. Results are shown in Fig. 3.2. Through the basin modelling evaluation of Blåbær, APT interpreted a Heather Formation source signature derived from the Pancake Basin as the main source rock contributor, but also concluded that the distinction between the Draupne and Heather formations source as a challenge. Petroleum system modelling concludes that Draupne Formation shale is the likely source for the Hakone Prospect and phase is likely under-saturated oil. Draupne Formation shale is an excellent source rock for oil and Heather Formation has good source rock potential for oil and gas in the Pancake Basin. Draupne and Heather formations maturities varies across the model area. It is modelled to be early to peak oil mature at the rim of the Pancake Basin. In its center they are modelled to reach condensate/wet gas

maturity (Draupne Formation) to dry gas maturity (Heather Formation). The fetch area stretches into oil mature areas. Peak oil expulsion occurred during the Paleocene to Miocene with excess hydrocarbons generated and migration likely within the immediate area of the Amoco High. The defined Cook Formation prospects are reliant on varying sources and kitchens depending on where in the license they are located along the migration pathway.

- Oil family study based on APT database and samples taken from APT for license
 - PVT data indicate a more Heather prone oil in Blåbær but difficult to conclude if it is a more marine Heather or somewhat terrestrial Draupne. Juxtaposition between Heather/Draupne and Cook in southern part of the Blåbær Ridge.
- Direct comparison to oil data indicates that cuttings show a systematically different composition as compared to oils
 - Could be due to Mud contamination, in-situ OM, evaporation, fractionation, etc.
 - COCH more comparable to oils
- Wells in Pancake Basin show very good Draupne source rock. Heather is moderate to good.
- Draupne Fm shale likely main source for Hakone

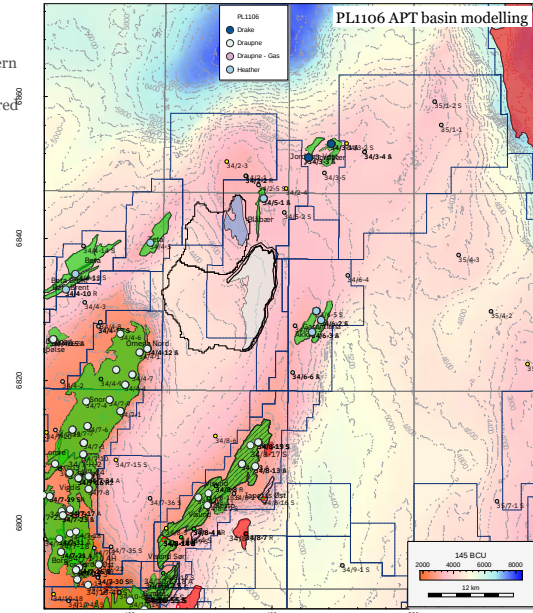
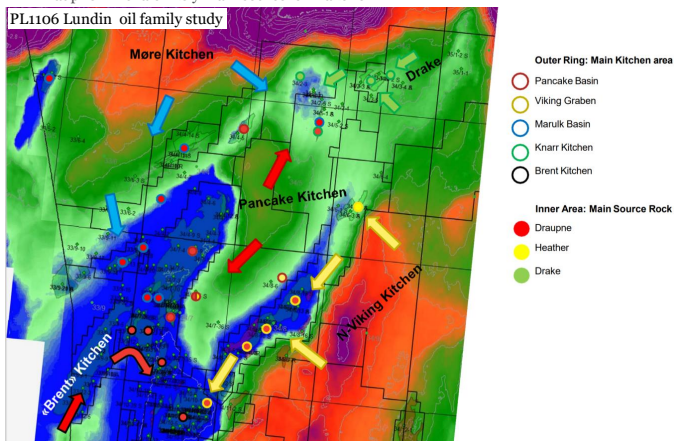


Fig. 3.2 Oil family vs PVT evaluation Comparison between Lundin oil family study and PVT analysis performed by APT as a part of the basin modelling

Petrophysical study (Upper Jurassic, Cook, overburden)

Petrophysical evaluation has been performed on numerous wells in formations of interest. A general outcome is that porosity and permeability can be preserved at 3500-4000m depth, which is strongly dependent on facies and mineralogical composition.

Reservoir petrography (Cook Formation)

The aim of the study was to improve reservoir quality understanding together with identifying critical positive and negative effects on the reservoir quality. 30 samples for thin section and SEM/XRD (Scanning Electron Microscopy / X-Ray Diffraction), focussing on the Cook Formation, from 34/3-1 ST2, 34/3-2S, 34/5-1S and 34/6-3S were analyzed. Computed grain size histograms, classification plots and thin section atlas generated. Chlorite grain coating observed acts as a porosity preservation mechanism by inhibiting quartz cementation. The chlorite within the dataset is predominantly rich in iron, probably indicative of a broad deltaic/nearshore depositional setting with significant fluvial influence. It is also observed that chlorite can also have a detrimental effect on reservoir quality when it occurs as a pore-filling clay. Siderite is abundant in some samples in 34/5-1 S, where it fills primary pores and blocks pore throats, having a detrimental effect on reservoir quality.

LFP / AVO / QI (Upper Jurassic, Cook & Oligocene)

Geophysical evaluation has been a critical part of the work program to understand the seismic expression within the license. LFP, AVO and QI have been performed on multiple wells and different stratigraphic levels. Several QI seismic derived cubes such as spectral decomposition, colored Inversion (with seismic PSDM velocities as low frequency background model), CHI angle (Extended Elastic Impedance), AVO cubes have been generated and used in the evaluation. Modelling results listed in Table 3.2

Table 3.2 LFP modelling and AVO/QI results

Formation	LFP modelling	AVO/QI observed in seismic	Comment
Lower Jurassic Cook Fm	<p>Cross plotting and LFP modelling suggest that you should be able to observe oil filled Cook Fm sst AVO on log scale.</p> <p>Modelling and seismic observations suggest that low AI, good quality (high poro/perm) Cook Fm sst can be detected on seismic. General AMP brightening when HC in good low AI sst.</p> <p>LFP modelling suggests that any HC related AVO is challenging to distinguish from lithology on seismic scale</p> <ul style="list-style-type: none"> - Varying results – limited / no AVO. - Thin sands, calcite stringers, varying reservoir quality. - Low GOR oil not detectable (similar to water). - Potential AVO cl II when lighter HC. - Good chance that lithology overprint will mask any HC related AVO. 	<p>There is a clear correlation between soft seismic response (low AI) and good quality reservoir sst, emphasized on the CCG23DAZ colored inversion.</p> <p>Challenging to conclude if seismic AMP variations are due to sand quality variations or HC fill.</p>	<p>Likely a strong lithological "footprint" that will mask any HC related AVO.</p>
Upper Jurassic Intra Draupne Fm sst	<p>Crossplotting show that separating Draupne Shale from sst is challenging.</p> <p>Modelling supports observed BCU AMP observation - high AMP until erosion of Heather indicating > 20m Draupne throughout the Hakone wedge.</p> <p>A high porosity sst model with HC fill in upper part is not supported.</p> <p>Best model to seismic correlation is obtained with a shaling out model.</p> <ol style="list-style-type: none"> 1. Shale in distal parts of the Hakone wedge. 2. Sand in upper part with wet or low poro HC-filled sst. 3. Varying AI Draupne shale throughout the Hakone wedge - Intra Draupne calcareous sandy silts. 	<p>Seismic facies change throughout the Hakone wedge from the upper part to lower/more distal parts.</p> <p>Challenging to conclude if due to sand vs shale or intra Draupne shale variation.</p> <p>Colored inversion utilized to define outline of prospect.</p>	<p>A high porosity sst model with HC fill in upper part is not supported.</p> <p>RockDoc seismic overlay model approach for individual lithology/fluid cases.</p>
Oligocene Vade/Skade Fm sst, Siliceous Ooze	<p>Crossplotting:</p> <ul style="list-style-type: none"> - Smectite-rich claystones have the highest VP/VS ratios. - Ooze-rich claystones have the lowest AI. - Sands plot within the shale trend. - Changing the pore fluid from brine to oil or gas would move sands towards lower AI and VP/VS ratios. - Ooze plot as sst with porosity (low AI and Vp/Vs). <p>Modelled biograded oil cases give in general no AVO.</p> <p>Potential soft sand: Top and base AVO.</p> <ul style="list-style-type: none"> - Oil and gas: AVO cl IIp - III. - Water and heavier oils: no AVO. <p>Potential hard sand: Full offset polarity flip from water (heavy oil) to HC fill. Top and base AVO.</p> <ul style="list-style-type: none"> - Oil and gas: AVO cl IIp - III. - Water and heavier oils: AVO cl IIp - III. <p>Potential soft ooze: Top and base AVO.</p> <ul style="list-style-type: none"> - Top reservoir gas: AVO cl III (water and oils have no AVO). - Base reservoir oil and gas: AVO cl III (water and heavier oils have no AVO). 	<p>Interpreted top reservoir is a seismic soft. Greater area full offset and near offset AMP anomaly.</p> <p>General soft anomaly with top reservoir AVO cl III in crestal parts of prospect.</p> <p>No base reservoir AVO (expected from modelling if sand).</p>	<p>Limited wells with necessary data in the shallow section.</p> <p>Challenging lithology and uncertain what lithology it is in the prospect location. Result dependent on lithology.</p> <p>Abundance of Ooze in section of interest (has potential porosity) in shale or more smectite-rich shale uncertain.</p> <p>Sand at this level is often hard compared to encasing shale. Observed anomaly is soft.</p>

4 Prospect update

The PL1106 license application listed the main Upper Jurassic intra Draupne Formation Prospect (Hakone), one prospect in Lower Jurassic Cook Formation (Fuji) and evaluation of the Lower Jurassic Cook Formation Blåbær Discovery. Several leads were also identified. The original application summary prospect and leads outline map shown in Fig. 4.1 and application summary resource potential are listed in Table 4.1.

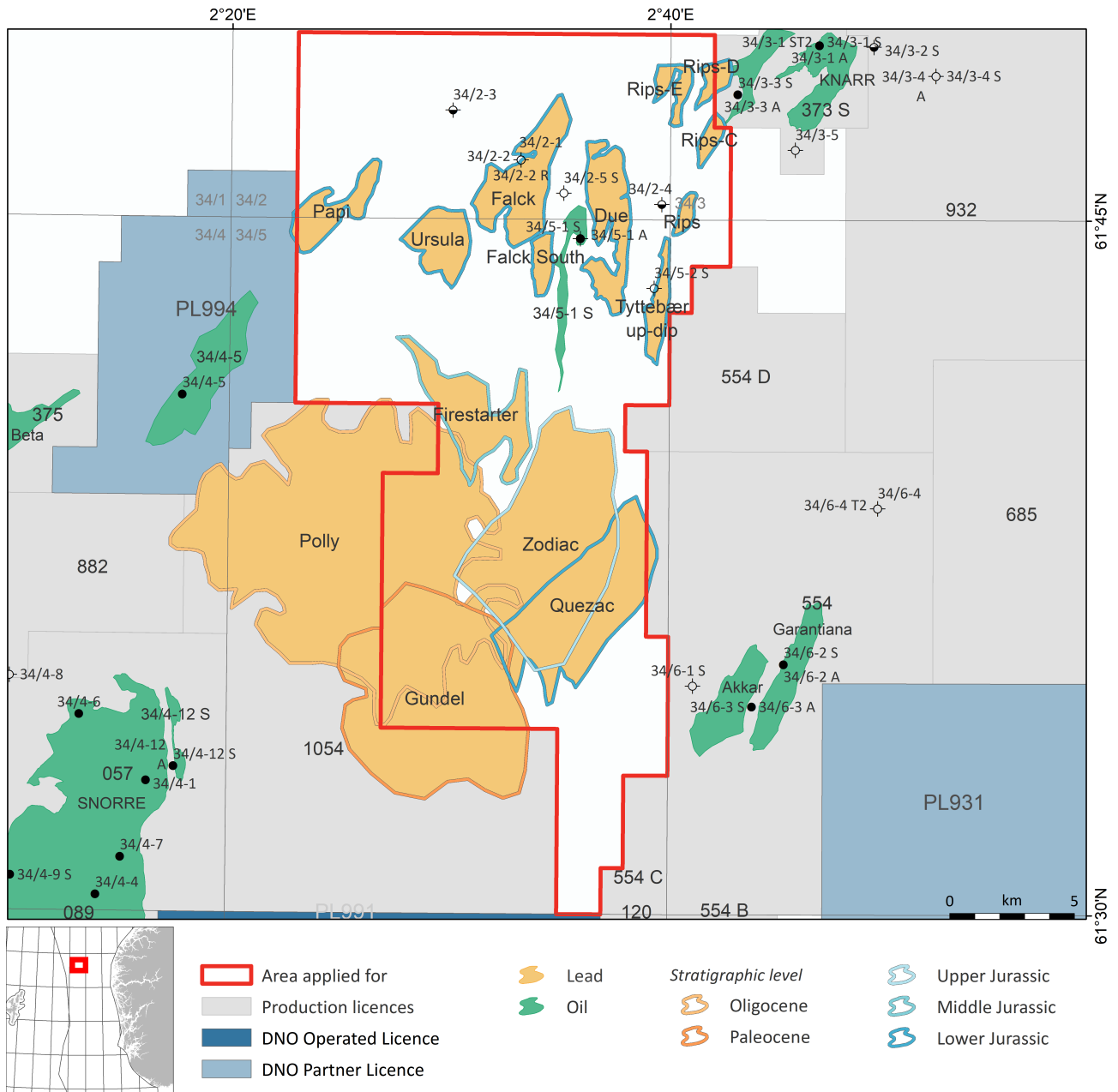


Fig. 4.1 Application area applied for and prospectivity

Table 4.1 Application resource summary (SODIR table 2)

Discovery/ Prospect/ Lead name	D/ P/ L	Case (Oil)	Unrisked recoverable resources						Prob. of disc.	Resources in acreage applied for (%)	Reservoir		Nearest relevant infrastructure	
			Oil (10 ⁶ Sm ³)			Gas (10 ⁹ Sm ³)					Litho-/ Chronostrati- graphical level	Reservoir depth (m MSL)	Name	km (>0)
			P90	Mean	P10	P90	Mean	P10						
Hakone	P	Oil	8.33	18.00	30.10	0.85	2.08	3.64	0.29	99.6	Draupne Fm/ U. Jurassic	3660	Snorre	22
Fuji	P	Oil	0.94	2.30	4.26	0.09	0.26	0.50	0.35	100	Cook Fm/ L. Jurassic	3400	Snorre	26
Blåbær	D	Oil	0.65	0.88	1.14	0.07	0.10	0.13	1	100	Cook Fm/ L. Jurassic	3360	Snorre	32
Falck	L	Oil								100	Cook Fm/ L. Jurassic		Snorre	31
Falck South	L	Oil								100	Cook Fm/ L. Jurassic		Snorre	30
Due	L	Oil								100	Cook Fm/ L. Jurassic		Snorre	33
Ursula	L	Oil								100	Cook Fm/ L. Jurassic		Snorre	28
Tyttebær up-dip	L	Oil								100	Cook Fm/ L. Jurassic		Snorre	31
Quezac	L	Oil								98.1	Cook Fm/ L. Jurassic		Snorre	25
Papi	L	Oil								92.9	Cook Fm/ L. Jurassic		Snorre	26
Rips	L	Oil								100	Cook Fm/ L. Jurassic		Snorre	35
Rips-C	L	Oil								91.4	Cook Fm/ L. Jurassic		Snorre	38
Rips-D	L	Oil								58.3	Cook Fm/ L. Jurassic		Snorre	40
Rips-E	L	Oil								100	Cook Fm/ L. Jurassic		Snorre	39
Firestarter	L	Oil								100	Brent Gp/ M. Jurassic		Snorre	23
Zodiac	L	Oil								100	Heather Fm/ U. Jurassic		Snorre	22
Gundel	L	Oil								53.8	Heimdal Fm/ Paleocene		Snorre	15
Polly	L	Oil								35.4	Skade Fm/ Oligocene		Snorre	16

Table 4.2 Updated license resource table Un-risked total recoverable resources.

Discovery/ Prospect/ Lead name ¹	D/ P/ L ²	Case (Oil/ Gas/ Oil&Gas) ³	Unrisked recoverable resources ⁴						Probability of discovery ⁵ (0,00 - 1,00)	Resources in acreage applied for [%] ⁶ (0,0 - 100,0)	Reservoir		Nearest relevant infrastructure ⁸	
			Oil [10 ⁶ Sm ³] (>0,00)			Gas [10 ⁹ Sm ³] (>0,00)					Litho- / Chrono- stratigraphic level ⁷	Reservoir depth [m MSL] (>0)	Name	Km (>0)
			Low (P90)	Base (Mean)	High (P10)	Low (P90)	Base (Mean)	High (P10)						
Hakone Tithonian Upper	P	Oil	1.78	5.08	10.05	0.16	0.59	44927.00	0.38	100.0	Intra-Draupne sst/U Jurassic	3660	Snorre A, SEP N	16
Hakone Tithonian Lower	P	Oil	0.16	89.00	2.05	0.02	0.10	0.24	0.21	100.0	Intra-Draupne sst/U Jurassic	3650	Snorre A, SEP N	16
Blåbær N	D	Oil	0.31	0.43	0.56	0.04	0.05	0.06	1.00	100.0	Cook Fm/L Jurassic	3320	Snorre A, SEP N	16
Blåbær S - deep upside	P	Oil	0.87	1.35	1.81	0.05	0.11	0.17	0.80	100.0	Cook Fm/L Jurassic	3435	Snorre A, SEP N	16
Fuji	P	Oil	0.52	2.65	5.81	0.05	0.30	0.67	0.26	100.0	Cook Fm/L Jurassic	3430	Snorre A, SEP N	16
Falck E	P	Oil	0.62	0.54	4.97	0.06	0.29	0.60	0.26	60.0	Cook Fm/L Jurassic	3305	Snorre A, SEP N	16
Falck W	P	Oil	0.69	1.44	2.39	0.06	0.17	0.31	0.13	100.0	Cook Fm/L Jurassic	3220	Snorre A, SEP N	16
Falck S	P	Oil	0.03	0.09	0.16	0.00	0.01	0.02	0.28	100.0	Cook Fm/L Jurassic	3360	Snorre A, SEP N	16
Due	P	Oil	0.94	2.04	3.44	0.80	0.23	0.43	0.40	100.0	Cook Fm/L Jurassic	3330	Snorre A, SEP N	16
Tyttebær	P	Oil	0.27	0.55	0.88	0.02	0.06	0.11	0.25	100.0	Cook Fm/L Jurassic	3435	Snorre A, SEP N	16
Rips	P	Oil	0.12	0.23	0.37	0.01	0.03	0.05	0.25	100.0	Cook Fm/L Jurassic	3555	Snorre A, SEP N	16
Rips C	P	Oil	0.50	0.91	1.37	0.04	0.10	0.18	0.45	100.0	Cook Fm/L Jurassic	3730	Snorre A, SEP N	16
Rips D	P	Oil	0.10	0.27	0.49	0.01	0.03	0.06	0.45	100.0	Cook Fm/L Jurassic	3765	Snorre A, SEP N	16
Rips E	P	Oil	0.55	1.07	1.69	0.05	0.12	0.22	0.32	100.0	Cook Fm/L Jurassic	3725	Snorre A, SEP N	16
Ursula	P	Oil	1.04	2.21	3.74	0.09	0.26	0.49	0.21	60.0	Cook Fm/L Jurassic	3240	Snorre A, SEP N	16
Quezac	P	Oil	1.31	2.77	4.64	0.11	0.32	0.60	0.15	100.0	Cook Fm/L Jurassic	3845	Snorre A, SEP N	16
Polly DoD	P	Oil&Gas	0.29	1.02	1.88	0.35	0.59	0.95	0.18	97.0	SkadeFm/Oligoce ne	1480	Snorre A, SEP N	16

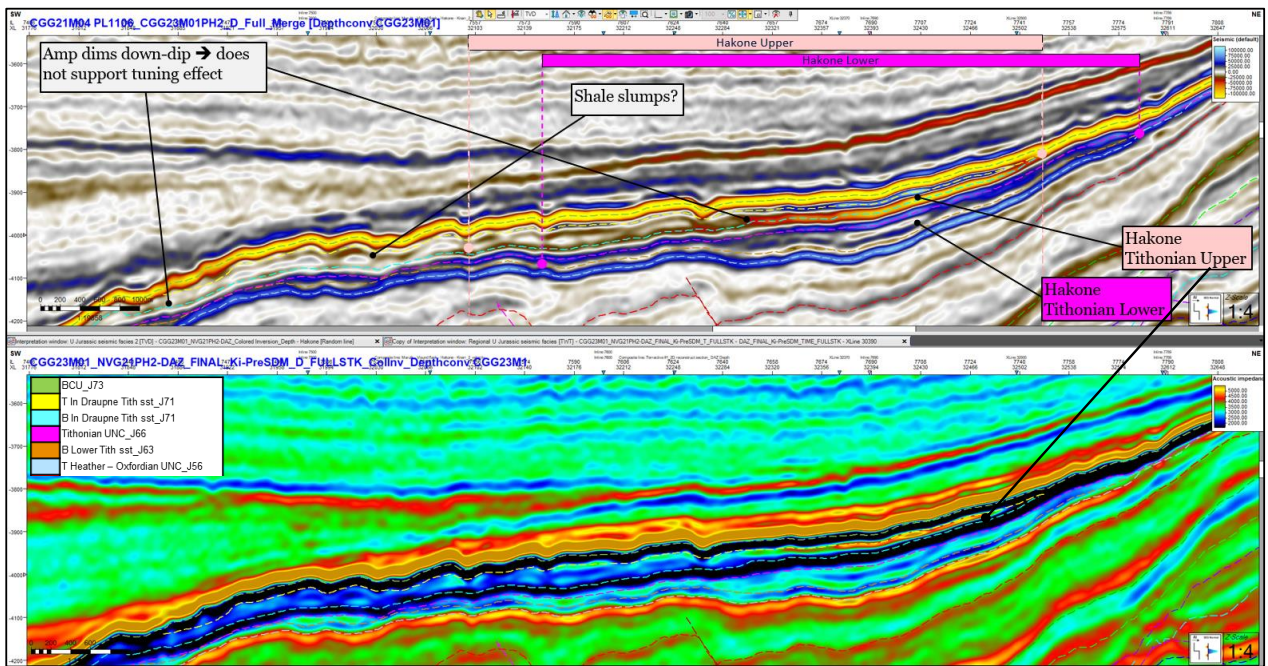
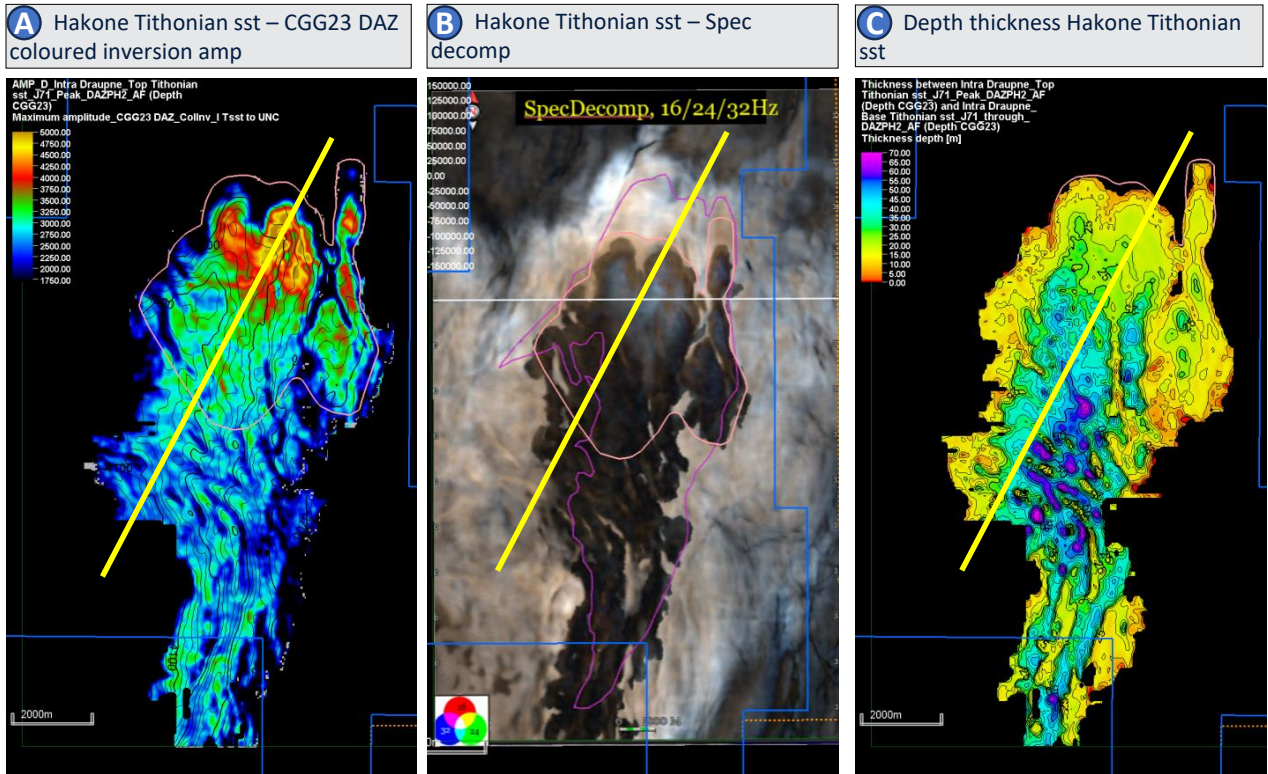


Fig. 4.2 Hakone Prospect summary and seismic cross-section

The work carried out during the first exploration phase aimed at seismic data enhancement/purchase, remapping the prospectivity, geological and geophysical studies for increased understanding and risk mitigation. The evaluation results went into updated volumes and risk. Updated prospect and leads outline map in Fig. 1.1 and updated license prospects volume and risk are listed in Table 4.2. Fig. 4.2 shows the Hakone Tithonian Upper Prospect summary.

Hakone Tithonian Upper Prospect (Upper Jurassic, intra Draupne Formation)

The main license prospect, Hakone, was defined as an Upper Jurassic wedge within the BCU (Base Cretaceous Unconformity, J76) to Top Heather (Oxfordian unconformity, J56) envelope, situated in a clearly defined Oxfordian UNC (unconformity) canyon trending southward off the Amoco High. The license evaluation used the state of the

art CGG23DAZ seismic survey. It has led to a redefinition of the prospect in an upper and lower Tithonian part, separated by the Tithonian UNC (J66). Due to size and seismic expression, it is the Hakone Tithonian Upper that is of potential economic interest. The Hakone Tithonian Lower has marginal resources. Due to the re-definition, Hakone Prospect(s) has a significant decreased in resources from the APA 2020 but reduced risk.

The Hakone Tithonian Upper is defined as a stratigraphic truncation/pinchout trap located within a clearly defined Top Heather Oxfordian UNC (J56) canyon. Top reservoir up-dip truncation (pinch-out) by the BCU (see Fig. 4.3). Base reservoir defined by the Tithonian UNC(J66). It is reliant on reservoir shale out down-dip / along slope. Colored inversion/amplitudes have been utilized to define trap and reservoir presence. Trap presence has been de-risked based upon improved seismic quality and being able to use QI products to define the prospect compared to the APA application.

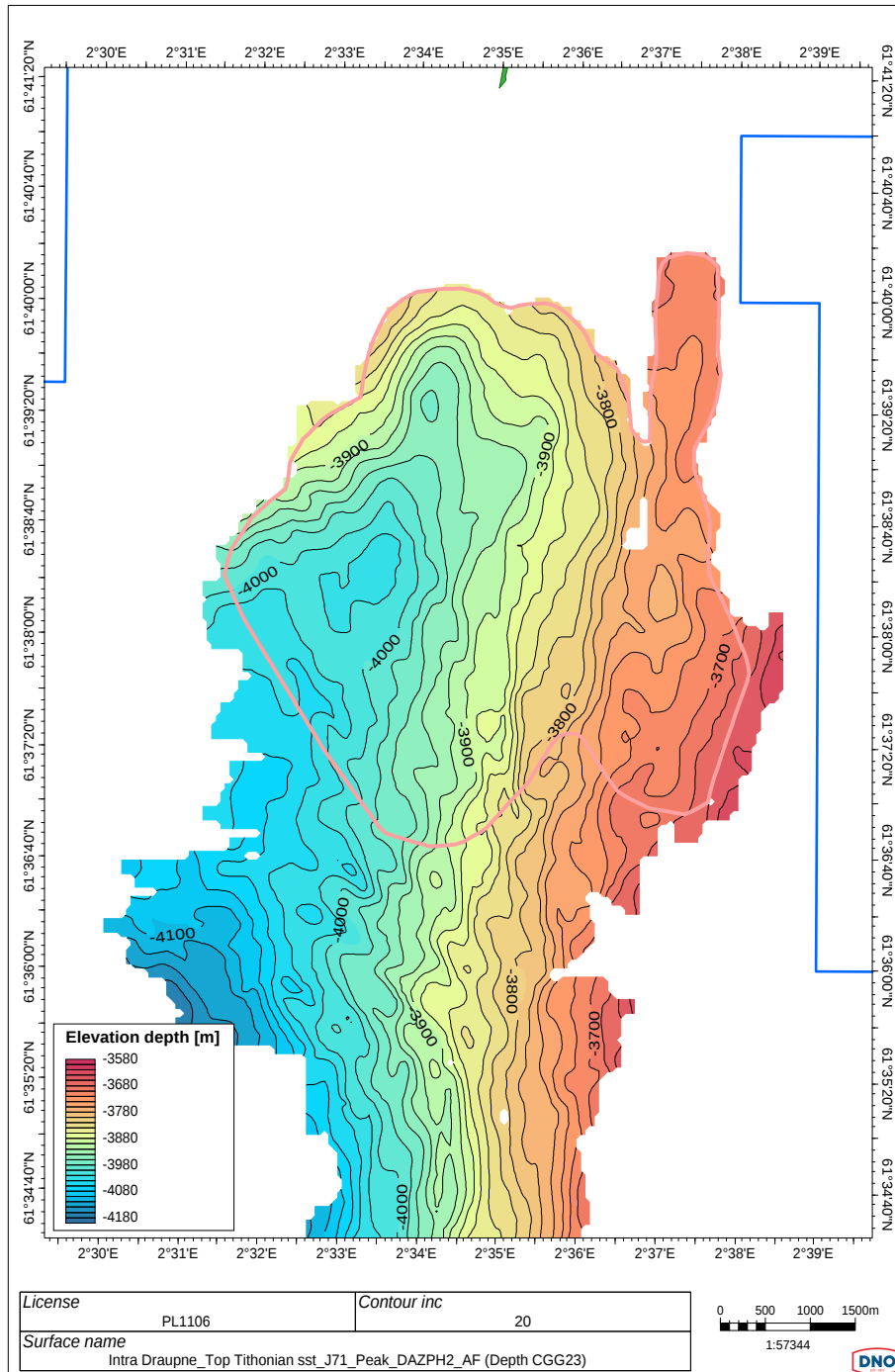


Fig. 4.3 Hakone Tithonian Upper top reservoir depth map

Top seal is provided by Draupne Formation shale. The Tithonian sand is encased within the Draupne Formation shale. The BCU has a strong negative amplitude on top of the prospect, indicating a Draupne Formation shale thickness in excess of 20 m. Draupne/ Heather shales surrounding the prospect. The prospect has a clear updip top truncation / pinch-out which is obvious on seismic. However, potential sediment input points below seismic resolution cannot be fully ruled out. It is reliant on pinchout/shaleout southward along strike and down-dip out in the Hakone wedge where column exceeds P90. Trap seal was a major risk in the APA application and has now been de-risked.

The reservoir is interpreted to be a Tithonian aged (J71-72) forced regression delta front depositional system. Improved seismic quality indicates the potential for presence of sandstone in the prospect location. Structural reconstruction has increased the probability for a larger area of "deeper - core" Amoco High erosion and re-deposition of reservoir quality sandstone in the prospect location (3 Geological and geophysical studies). It is reliant of erosional product from this area, since the closest wells still has Heather Formation shale and/or shaly Brent/Dunlin Fms preserved. The petrography study and petrophysical evaluation support possibility for retaining reservoir quality at this depth (>3600m), as is also proven by the nearby successfully produced Knarr Field and Garantiana discoveries. Reservoir presence and quality were major risks in the APA application. The presence has been de-risked and license studies has made sand deposition in the Hakone Tithonian Upper plausible. The high temperatures seen by the reservoir introduces clear risk for diagenesis and consequent degrading of reservoir quality. Facies and mineralogy with corresponding potential grain coating, could aid preserving porosity and permeability. In addition, high pressure and potential early migration could also be of aid in this respect. Reservoir quality is now the main risk. It has not been possible to further de-risk this.

The prospect is located in a highly prolific hydrocarbon area. Several fields and discoveries is surrounding the prospect. The Amoco High is a clear structural focal point in the area. The prospect is encased in Draupne Formation shale. Draupne Formation (and Heather Formation) shale has excellent source material in the Pancake Basin proven by wells (3 Geological and geophysical studies). The source is interpreted to be oil mature within the migration fetch area. Expected phase is under-saturated oil. Excess volumes expelled and available for trap based on the basin modelling study. Risk is un-changed from the APA application. Fig. 4.2 shows the Hakone Tithonian Upper Prospect summary.

Hakone Tithonian Lower Prospect (Upper Jurassic, Intra Draupne Formation)

The Hakone Tithonian Lower Prospect is underlying the Hakone Tithonian Upper, separated by the Tithonian UNC (J66). The Trap is an updip truncation/pinch-out which makes it more challenging to define and does not have the same seismic expression to support presence of sand compared to the Hakone Tithonian Upper. It is potentially reliant on Heather Formation shales as base seal. There is a potential for Brent Formation juxtaposition over a fault in a small area, but Brent Formation is assumed shaled-out in area. Reservoir is assumed to be turbidites/hyperpycnites and carry a higher risk for poorer reservoir quality. Source and migration should not be a risk. A potential updip connection between the Upper and Lower cannot be ruled out but looked upon as not likely based upon seismic evaluation. The crestal part stretches higher up than the Hakone Tithonian Upper, hence is experience more of potential volumes in thin/crestal parts. Hydrocarbon column hence limits volume potential.

Blåbær Discovery (Cook Formation)

The Blåbær Discovery is a rotated fault block with 34/5-1S discovery well situated at the crest. The southern segment, separated by saddle, is not tested but is most likely on the migration route from the Pancake Basin. Heather Formation (and Draupne Formation) shale juxtaposition observed in the southernmost part of the southern segment. The dry 34/5-1 A side-track tested the Cook Formation sandstone down-dip to the southeast. The license evaluation revealed a potential southern segment high-case scenario based on observed CGG23DAZ far offset anomaly conform to structure in the Lower Cook sandstone (see Fig. 4.4), with a likely fill-spill scenario towards the Blåbær northern segment. QI evaluation supported by well FWI (Free Water Level)/pressure/juxtaposition observations. This leaves a potential non-tested upside in the southern segment.

Fuji Prospect (Cook Formation)

Fuji was the second of the two prospects originally defined in the APA application. It is a structural trap combining several rotated fault-blocks, partly reliant on fault seal (3 Geological and geophysical studies). The P90 only includes the major southeast fault-block, while P50 and deeper include several fault blocks within the Fuji "envelope" area. Cook Formation sand juxtaposition is a risk in the northern part of the major eastern bounding fault. The northern limit up towards the Falck West Prospect also carry risk on Cook Formation sand juxtaposition for volume cases > P90. This area is more like a ramp and relies on plausible sub-seismic resolution faults, with the top seal being

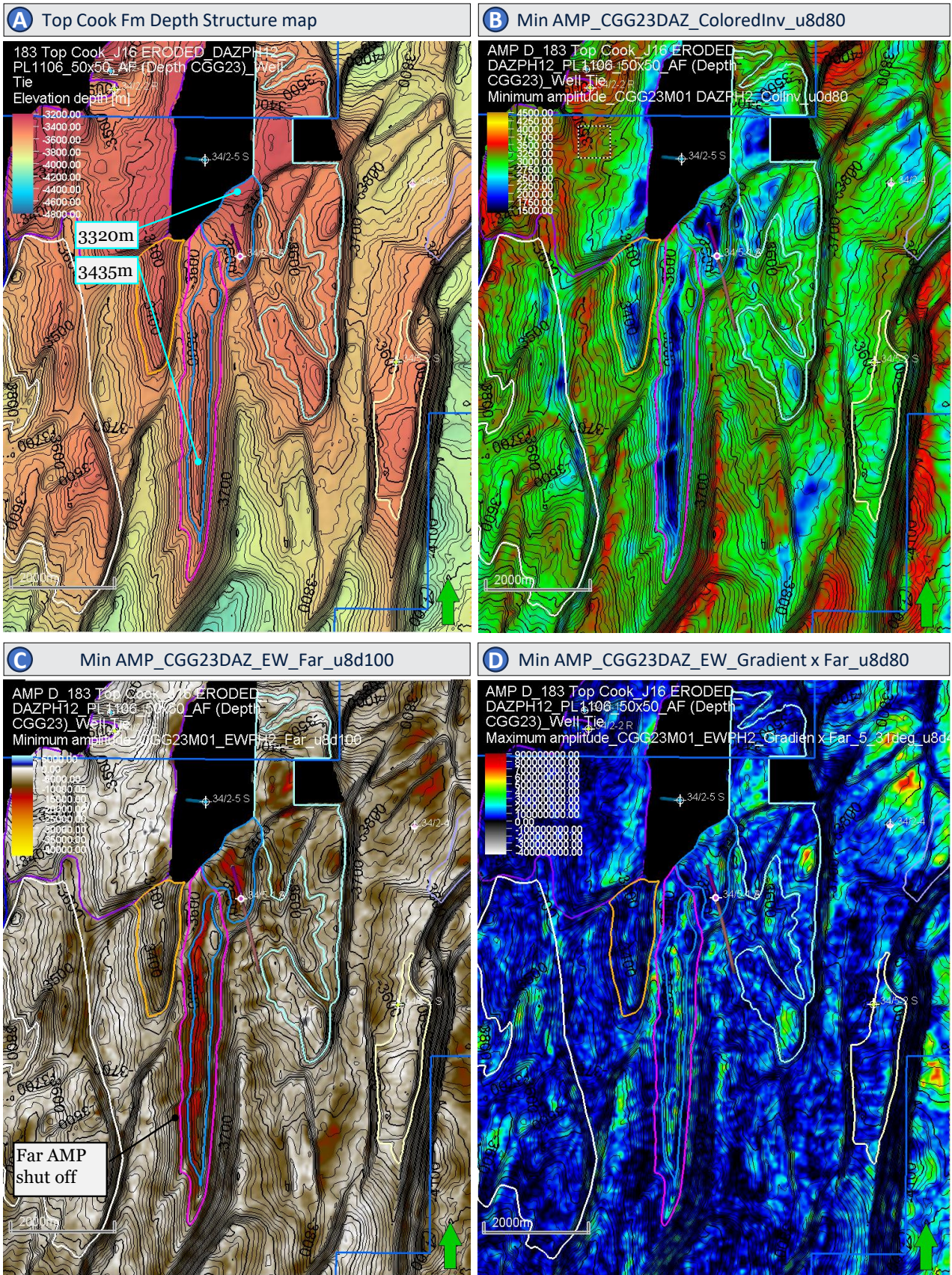


Fig. 4.4 Blåbær summary maps

provided by the Drake Formation shales. From wells the Cook Formation sands can have significant thickness (up to 120 m gross thickness and high N/G), and fairly good but highly varying reservoir quality (up to porosities >20%

and Darcy permeability). Good reservoir sand in the Knarr/Garantiana areas, which is interpreted to be tidal influenced delta/distal tidal shoreline, with tidal bars having the best quality. This part is potentially located in a straight. Reservoir thickness and quality is getting increasingly worse in the westward direction. There is a clear correlation between good quality reservoir and soft seismic amplitudes. This is especially evident on the CGG23DAZ colored inversion cube used to predict areas where better potential for Cook sand of significant thickness and quality. There might also be a hydrocarbon "overprint" seen in the data, but it is challenging to distinguish between reservoir quality and hydrocarbons. AVO/fluid cubes are inconclusive. Fuji is located in an area where seismic indicate poorer reservoir. With no obvious migration path into the Fuji Prospect, migration is a challenge. Fig. 4.5 shows a seismic cross-section thorough Fuji and corresponding maps. Compared to the APA2020 evaluation there is minor change in resources. Trap geometry has been de-risked due improved seismic quality. Reservoir (quality) and migration has now got higher risk.

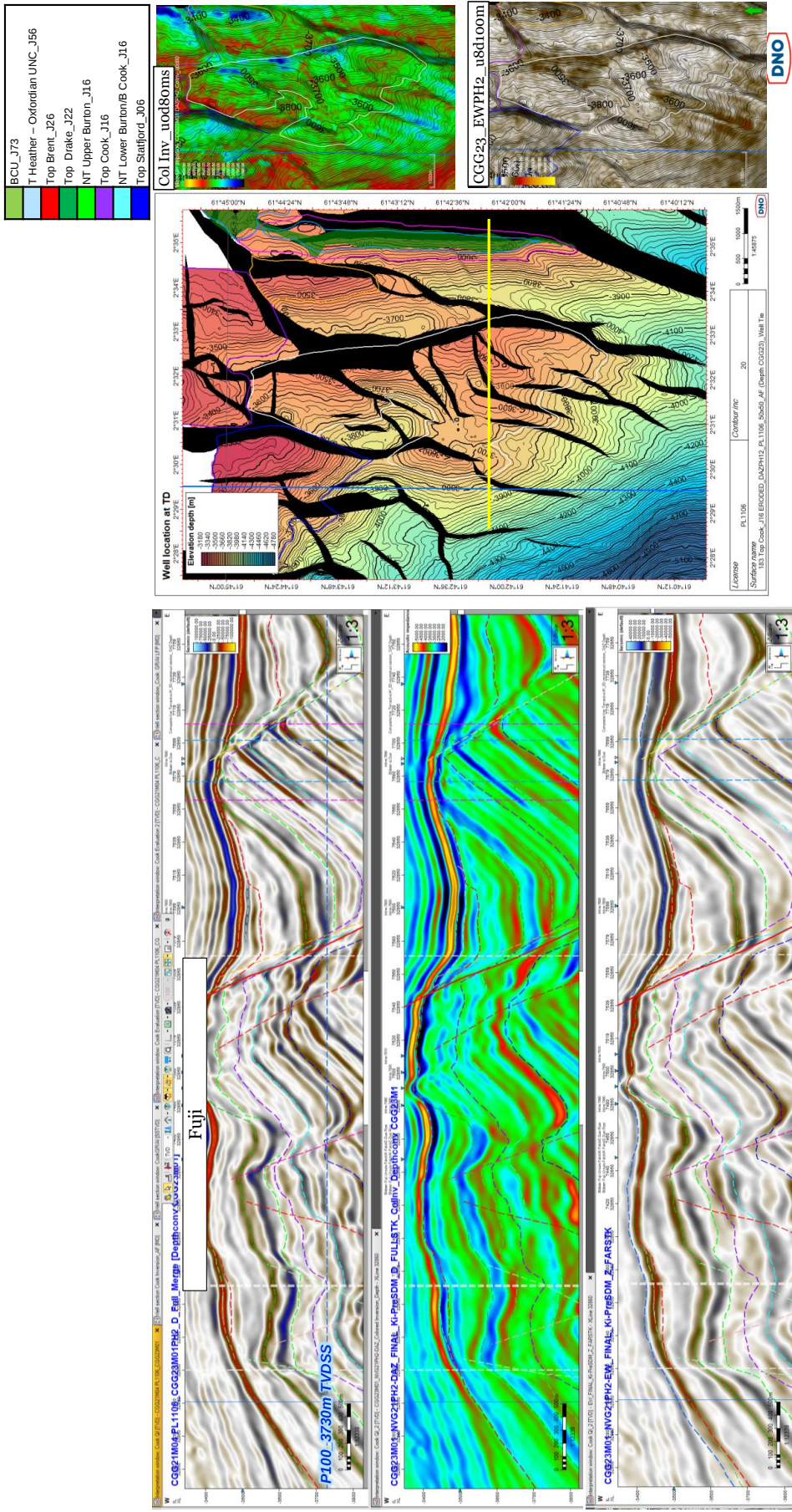


Fig. 4.5 Fuji Prospect summary

Ursula Prospect (Cook Formation)

Ursula is located on the horst block updip from Fuji in a location that has severe erosion of the Cook Formation in the crestal parts. A previously interpreted gas chimney from near apex of structure with overburden gas distortion, could potentially indicate a dynamic trap (or blown structure) with top seal breach and healing. If this is the case it could act as vent for Cook over-pressured structures (increased overpressure from west to east in wells). However, based upon the re-evaluation it seems to originate somewhat further north.

Due Prospect (Cook Formation)

Located on a rotated fault block updip from the dry 34/5-1 A well (weak shows in top of Cook Formation), with erosion in crestal parts of the structure.

Falck E, W, S prospects (Cook Formation)

Rotated fault blocks. E) Updip from the dry 34/2-2R (dry, no shows). W) Separate structure. Pmax is below spill between the prospects. High risk for part erosion of reservoir. S) Small structure west of Blåbær with potential spill.

Tyttbær up-dip Prospect (Cook Formation)

Rotated fault block/horst. Up-dip potential from 34/5-2S (dry w/shows in Cook).

Rips, Rips-C, Rips-D and Rips-E prospects (Cook Formation)

The Knarr Field is highly segmented, with different hydrocarbon contacts and degrees of overpressure. Mapping of the Top Cook Formation shows that the western Knarr Field segment likely spills into the Rips-C lead, which spills further into the Tyttbær up-dip lead. The Rips-C lead is situated on a rotated fault block southwest of the Knarr West segment.

Quezac Prospect (Cook Formation)

3 rotated fault blocks in the likely "very poor Cook reservoir trend" based on the colored inversion. Challenging northern delineation into the ridge towards 34/5-2 S Tyttbær (shows in Cook). High fault seal risk (Cook Formation sand juxtaposition).

Polly Prospect (Skade/Vade Formation)

The Polly lead was recognized in the APA2020 evaluation as a greater area soft amplitude anomaly. DNO presented a license APA2022 extension to include the greater Polly envelope. Partners did not support an extension due to limited potential and the fact that the most interesting part was already within PL1106. DNO has re-evaluated Polly performing LFP modelling, CGG23DAZ re-interpretation and QI. It is a highly geophysical driven prospect. Polly has a structural closure within PL1106 which spills toward the south, with underlying injectite features creating that structure. There is an AVO anomaly relative conform to structure in crestal parts of the structural closed area (see Fig. 4.6).

Although there is in general a significant amount of sand within the Horda sequence (as well as potential porous ooze), reservoir presence is the major risk. This is positive for reservoir presence but a challenge for top seal. There are two models for reservoir presence. It could either be injected (extrusion to seafloor and later re-mobilization) sand from an underlying thicker parent unit, or in-situ gravity flow deposited sandstone from the west draped on top of injectites. Injectite Grid Formation sand is in abundance in the area. These are situated beneath the Polly stratigraphic level and appear as geophysically hard, often cemented, sandstones. The Polly anomaly appears as a seismic soft. Thin sand is proven in the Skade/Vadel stratigraphic level in nearby wells and a slight formation thickening is observed in the license area.

Potential reservoir appearance and geophysical behavior is highly dependent on the composition of encasing shales. There is abundant ooze contained in this section which transitions from the ooze-rich shales to more Smectite-rich shales. The Polly Prospect is also situated close to the assumed Opal-CT transition. These factors complicate the seismic appearance and QI results. Nearby soft gas-filled Utsira sand has a clear AVO class III and stronger soft amplitudes. The Polly Prospect has an AVO class III but less pronounced soft amplitude increase within the prospect. Porous Ooze could potentially give an impression of presence of soft sand. Oil biodegradation and low saturation gas are risks. Performed LFP modelling suggest soft sand with gas over biodegraded oil, gas only (low saturation?) in crestal parts or Ooze with porosity and potential low saturation gas. See LFP, AVO and QI summary in Table 3.2.

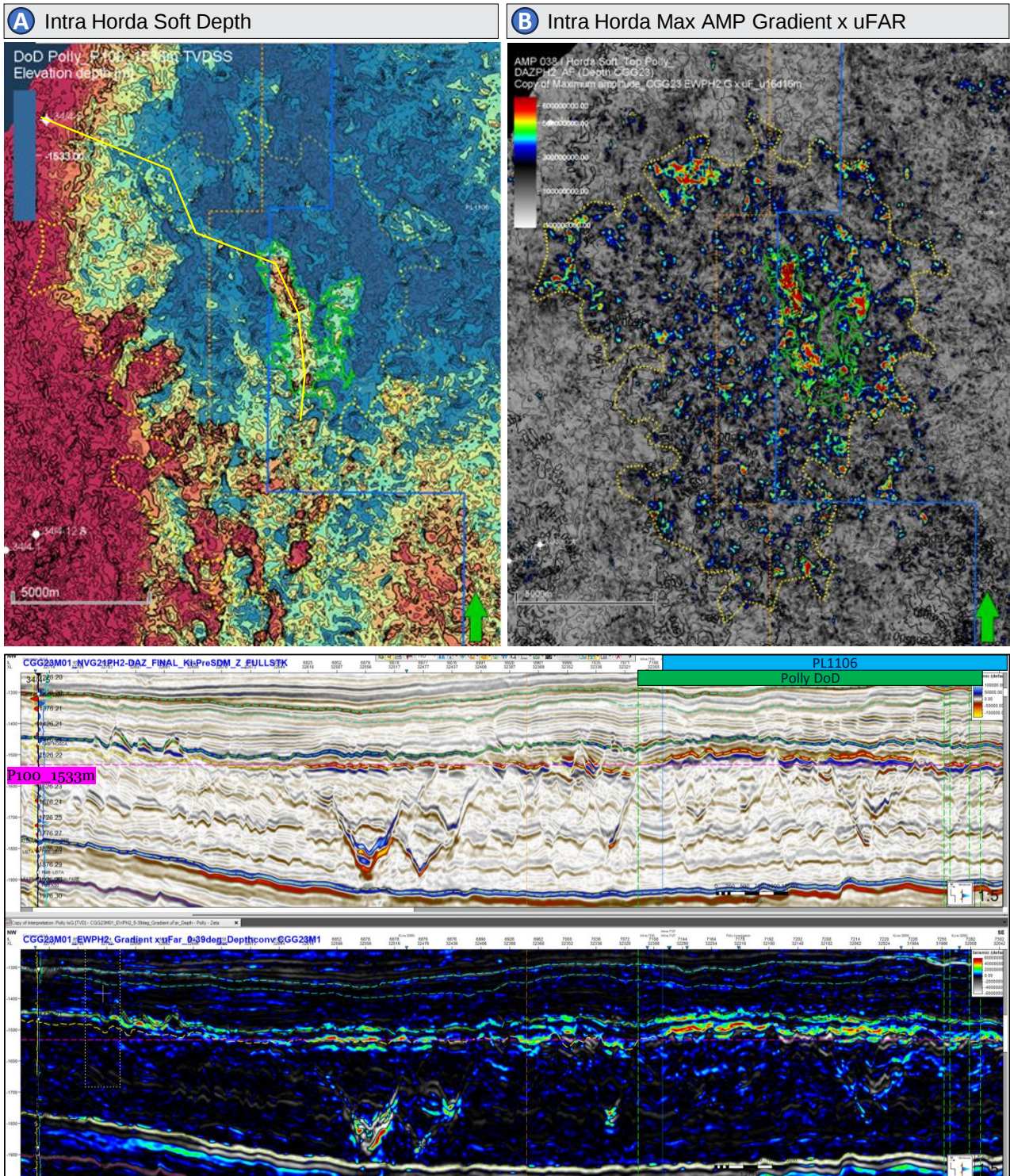


Fig. 4.6 Polly Prospect summary

Remaining prospectivity

The Papi Cook ead is outside the license area. Firestarter Intra Heather and Paleocene Gundel leads have been downgraded and removed from the license resource potential.

Table 4.3 SODIR Table4: Hakone Tithonian Upper Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Hakone Tith Upper	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 Relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Stratigraphic	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	5.56	6.32	15.21	29.77				
	Gas [10 ⁹ Sm ³] (>0.00)					0.51	0.55	1.77	3.72
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	1.78	2.48	5.08	10.05				
	Gas [10 ⁹ Sm ³] (>0.00)					0.16	0.18	0.59	1.23
Reservoir Chrono (from)	Late Tithonian	Reservoir litho (from)	Intra Draupne sst	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Tithonain
Reservoir Chrono (to)	Late Tithonian	Reservoir litho (to)	Intra Draupne sst	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Draupne Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.38	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.60	Trap (P2) (0.00-1.00)	0.63	Charge (P3) (0.00-1.00)	1.00	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean. Top and base surface used for GRV.				
Depth to top of prospect [m MSL] (> 0)			3660						
Area of closure [km ²] (> 0.0)		6.2	12.7	21.1					
Reservoir thickness [m] (> 0)									
HC column in prospect [m] (> 0)		123	219	324					
Gross rock vol. [10 ⁹ m ³] (> 0.000)		0.093	0.239	0.463					
Net / Gross [fraction] (0.00-1.00)		0.55	0.69	0.83					
Porosity [fraction] (0.00-1.00)		0.14	0.16	0.19					
Permeability [mD] (> 0.0)		27.0	70.0	122.0					
Water Saturation [fraction] (0.00-1.00)		0.15	0.20	0.25					
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)		0.65	0.71	0.77					
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)		62	116	185					
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.27	0.33	0.40					
Recov. factor, gas ass. phase [fraction] (0.00-1.00)		0.27	0.33	0.40					
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124				Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6						Kart nr
									NPD will insert value

Table 4.4 SODIR Table4: Hakone Tithonian Lower Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Hakone Tith Lower	Discovery/Prosp/Lead	Prospect	Prosp ID (or New)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Stratigraphic	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	0.53	0.56	2.96	6.84				
	Gas [10 ⁹ Sm ³] (>0.00)					0.05	0.05	0.35	0.80
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.16	0.16	0.89	2.05				
	Gas [10 ⁹ Sm ³] (>0.00)					0.02	0.01	0.10	0.24
Reservoir Chrono (from)	Early Tithonian	Reservoir litho (from)	Intra Draupne sst	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Tithonian
Reservoir Chrono (to)	Early Tithonian	Reservoir litho (to)	Intra Draupne sst	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Draupne Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.21	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.50	Trap (P2) (0.00-1.00)	0.42	Charge (P3) (0.00-1.00)	1.00	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean. Top and base surface used for GRV.				
Depth to top of prospect [m MSL] (> 0)			3650						
Area of closure [km ²] (> 0.0)		2.1	6.5	12.0					
Reservoir thickness [m] (> 0)									
HC column in prospect [m] (> 0)		70	191	295					
Gross rock vol. [10 ⁹ m ³] (> 0.000)		0.015	0.078	0.181					
Net / Gross [fraction] (0.00-1.00)		0.27	0.41	0.55					
Porosity [fraction] (0.00-1.00)		0.14	0.16	0.19					
Permeability [mD] (> 0.0)		27.0	70.0	122.0					
Water Saturation [fraction] (0.00-1.00)		0.15	0.20	0.25					
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)		0.65	0.71	0.77					
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)		62	116	185					
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.25	0.30	0.35					
Recov. factor, gas ass. phase [fraction] (0.00-1.00)		0.25	0.30	0.35					
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124				Innrappr. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					NPD will insert value	Kart nr

Table 4.5 SODIR Table4: Blåbær North discovery

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Blåbær N	Discovery/Prosp/Lead	Discovery	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	1.11	1.33	1.43	1.77				
	Gas [10 ⁹ Sm ³] (>0.00)					0.13	0.15	0.16	0.20
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.31	0.40	0.43	0.56				
	Gas [10 ⁹ Sm ³] (>0.00)					0.04	0.05	0.05	0.06
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	1.00	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	1.00	Trap (P2) (0.00-1.00)	1.00	Charge (P3) (0.00-1.00)	1.00	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.</i>				
Depth to top of prospect [m MSL] (> 0)			3320						
Area of closure [km ²] (> 0.0)	0.9	1.0	1.1						
Reservoir thickness [m] (> 0)	62	65	68						
HC column in prospect [m] (> 0)	191	195	200						
Gross rock vol. [10 ⁹ m ³] (> 0.000)	0.043	0.049	0.055						
Net / Gross [fraction] (0.00-1.00)	0.35	0.40	0.45						
Porosity [fraction] (0.00-1.00)	0.16	0.18	0.20						
Permeability [mD] (> 0.0)									
Water Saturation [fraction] (0.00-1.00)	0.40	0.45	0.50						
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)	0.67	0.74	0.81						
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)	115	115	115						
Recov. factor, oil main phase [fraction] (0.00-1.00)	0.25	0.30	0.35						
Recov. factor, gas ass. phase [fraction] (0.00-1.00)	0.25	0.30	0.35						
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124			Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625			Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.6 SODIR Table4: Blåbær South - deep OWC upside

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Blåbær S deep upsi	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	2.94	4.64	4.49	5.97				
	Gas [10 ⁹ Sm ³] (>0.00)					0.16	0.27	0.32	0.51
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.87	1.45	1.35	1.81				
	Gas [10 ⁹ Sm ³] (>0.00)					0.05	0.10	0.11	0.17
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.80	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	1.00	Trap (P2) (0.00-1.00)	0.80	Charge (P3) (0.00-1.00)	1.00	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.				
Depth to top of prospect [m MSL] (> 0)			3435						
Area of closure [km ²] (> 0.0)	2.6	3.3	3.8						
Reservoir thickness [m] (> 0)	62	65	68						
HC column in prospect [m] (> 0)	122	145	162						
Gross rock vol. [10 ⁹ m ³] (> 0.000)	0.106	0.154	0.192						
Net / Gross [fraction] (0.00-1.00)	0.35	0.40	0.45						
Porosity [fraction] (0.00-1.00)	0.16	0.18	0.20						
Permeability [mD] (> 0.0)									
Water Saturation [fraction] (0.00-1.00)	0.40	0.45	0.50						
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)	0.70	0.74	0.77						
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)	44	71	104						
Recov. factor, oil main phase [fraction] (0.00-1.00)	0.27	0.30	0.33						
Recov. factor, gas ass. phase [fraction] (0.00-1.00)	0.30	0.34	0.38						
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124			Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625			Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.7 SODIR Table4: Fuji Prospect

Table 4: Discovery and Prospect data (Enclose map)

Block	34/5	Prospect name	Fuji	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)		
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)						
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023	
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D	
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase					
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)	
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	1.52	1.46	7.72	16.61					
	Gas [10 ⁹ Sm ³] (>0.00)					0.15	0.18	0.88	1.94	
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.52	0.48	2.65	5.81					
	Gas [10 ⁹ Sm ³] (>0.00)					0.05	0.06	0.30	0.67	
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian	
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm	
Probability [fraction]										
Total (oil + gas + oil & gas case) (0.00-1.00)	0.26	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00			
Reservoir (P1) (0.00-1.00)	0.80	Trap (P2) (0.00-1.00)	0.80	Charge (P3) (0.00-1.00)	0.40	Retention (P4) (0.00-1.00)	1.00			
Parametres:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.</i>					
Depth to top of prospect [m MSL] (> 0)			3430							
Area of closure [km ²] (> 0.0)	2.2		6.0	10.8						
Reservoir thickness [m] (> 0)	67		80	95						
HC column in prospect [m] (> 0)	127		195	275						
Gross rock vol. [10 ⁹ m ³] (> 0.000)	0.076		0.318	0.654						
Net / Gross [fraction] (0.00-1.00)	0.18		0.31	0.48						
Porosity [fraction] (0.00-1.00)	0.14		0.16	0.19						
Permeability [mD] (> 0.0)	30.0		62.4	100.0						
Water Saturation [fraction] (0.00-1.00)	0.28		0.33	0.39						
Bg [Rm3/Sm3] (< 1.0000)										
1/Bo [Sm3/Rm3] (< 1.00)	0.66		0.71	0.77						
GOR, free gas [Sm ³ /Sm ³] (> 0)										
GOR, oil [Sm ³ /Sm ³] (> 0)			116	185						
Recov. factor, oil main phase [fraction] (0.00-1.00)	0.29		0.34	0.40						
Recov. factor, gas ass. phase [fraction] (0.00-1.00)	0.29		0.34	0.40						
Recov. factor, gas main phase [fraction] (0.00-1.00)										
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)										
For NPD use:										
Temperature, top res [°C] (>0)	124				Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value	

Table 4.8 SODIR Table4: Falck E Prospect

Table 4: Discovery and Prospect data (Enclose map)

Block	34/5	Prospect name	Falck E	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	1.79	4.69	7.40	14.24				
	Gas [10 ⁹ Sm ³] (>0.00)					0.18	0.39	0.85	1.74
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.62	1.31	2.54	4.97				
	Gas [10 ⁹ Sm ³] (>0.00)					0.06	0.13	0.29	0.60
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.26	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.80	Trap (P2) (0.00-1.00)	0.80	Charge (P3) (0.00-1.00)	0.40	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.</i>				
Depth to top of prospect [m MSL] (> 0)			3305						
Area of closure [km ²] (> 0.0)	2.7		5.1	7.2					
Reservoir thickness [m] (> 0)	67		80	95					
HC column in prospect [m] (> 0)	87		144	205					
Gross rock vol. [10 ⁹ m ³] (> 0.000)	0.081		0.277	0.482					
Net / Gross [fraction] (0.00-1.00)	0.18		0.31	0.48					
Porosity [fraction] (0.00-1.00)	0.16		0.18	0.20					
Permeability [mD] (> 0.0)	30.0		62.4	100.0					
Water Saturation [fraction] (0.00-1.00)	0.28		0.33	0.39					
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)	0.66		0.71	0.77					
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)			116	185					
Recov. factor, oil main phase [fraction] (0.00-1.00)	0.29		0.34	0.40					
Recov. factor, gas ass. phase [fraction] (0.00-1.00)	0.29		0.34	0.40					
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124				Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.9 SODIR Table4: FalckS Prospect

Table 4: Discovery and Prospect data (Enclose map)

Block	34/5	Prospect name	34/5 Falck S	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	0.09	0.18	0.26	0.47				
	Gas [10 ⁹ Sm ³] (>0.00)					0.01	0.02	0.03	0.06
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.03	0.05	0.09	0.16				
	Gas [10 ⁹ Sm ³] (>0.00)					0.00	0.00	0.01	0.02
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.28	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.80	Trap (P2) (0.00-1.00)	0.70	Charge (P3) (0.00-1.00)	0.50	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.</i>				
Depth to top of prospect [m MSL] (> 0)			3360						
Area of closure [km ²] (> 0.0)	0.2	0.4	0.5						
Reservoir thickness [m] (> 0)	67	80	95						
HC column in prospect [m] (> 0)	51	62	74						
Gross rock vol. [10 ⁹ m ³] (> 0.000)	0.003	0.007	0.012						
Net / Gross [fraction] (0.00-1.00)	0.24	0.40	0.57						
Porosity [fraction] (0.00-1.00)	0.16	0.18	0.20						
Permeability [mD] (> 0.0)	30.0	62.4	100.0						
Water Saturation [fraction] (0.00-1.00)	0.28	0.33	0.39						
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)	0.66	0.71	0.77						
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)			116	185					
Recov. factor, oil main phase [fraction] (0.00-1.00)	0.29	0.34	0.40						
Recov. factor, gas ass. phase [fraction] (0.00-1.00)	0.29	0.34	0.40						
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124			Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625			Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.10 SODIR Table4: Falck W Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Falck W	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	2.03	2.83	4.18	6.98				
	Gas [10 ⁹ Sm ³] (>0.00)					0.18	0.31	0.48	0.89
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.69	0.85	1.44	2.39				
	Gas [10 ⁹ Sm ³] (>0.00)					0.06	0.09	0.17	0.31
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.13	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.70	Trap (P2) (0.00-1.00)	0.48	Charge (P3) (0.00-1.00)	0.40	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.</i>				
Depth to top of prospect [m MSL] (> 0)			3220						
Area of closure [km ²] (> 0.0)		1.8	2.4	2.9					
Reservoir thickness [m] (> 0)		67	80	95					
HC column in prospect [m] (> 0)		194	250	305					
Gross rock vol. [10 ⁹ m ³] (> 0.000)		0.107	0.156	0.209					
Net / Gross [fraction] (0.00-1.00)		0.18	0.31	0.48					
Porosity [fraction] (0.00-1.00)		0.16	0.18	0.20					
Permeability [mD] (> 0.0)		30.0	62.4	100.0					
Water Saturation [fraction] (0.00-1.00)		0.28	0.33	0.39					
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)		0.66	0.71	0.77					
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)		62	116	185					
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.29	0.34	0.40					
Recov. factor, gas ass. phase [fraction] (0.00-1.00)		0.29	0.34	0.40					
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124				Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.11 SODIR Table4: Due Prospect

Table 4: Discovery and Prospect data (Enclose map)										
Block	34/5	Prospect name	Due	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)		
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)						
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023	
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D	
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase					
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)	
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	2.76	4.48	5.93	9.86					
	Gas [10 ⁹ Sm ³] (>0.00)					0.25	0.36	0.68	1.25	
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.94	1.48	2.04	3.44					
	Gas [10 ⁹ Sm ³] (>0.00)					0.08	0.15	0.23	0.43	
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian	
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm	
Probability [fraction]										
Total (oil + gas + oil & gas case) (0.00-1.00)	0.40	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00			
Reservoir (P1) (0.00-1.00)	0.80	Trap (P2) (0.00-1.00)	0.63	Charge (P3) (0.00-1.00)	0.80	Retention (P4) (0.00-1.00)	1.00			
Parametres:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.</i>					
Depth to top of prospect [m MSL] (> 0)			3330							
Area of closure [km ²] (> 0.0)		2.3	3.8	5.5						
Reservoir thickness [m] (> 0)		67	80	95						
HC column in prospect [m] (> 0)		157	184	212						
Gross rock vol. [10 ⁹ m ³] (> 0.000)		0.104	0.173	0.256						
Net / Gross [fraction] (0.00-1.00)		0.24	0.40	0.57						
Porosity [fraction] (0.00-1.00)		0.16	0.18	0.20						
Permeability [mD] (> 0.0)		30.0	62.4	100.0						
Water Saturation [fraction] (0.00-1.00)		0.28	0.33	0.39						
Bg [Rm3/Sm3] (< 1.0000)										
1/Bo [Sm3/Rm3] (< 1.00)		0.66	0.71	0.77						
GOR, free gas [Sm ³ /Sm ³] (> 0)										
GOR, oil [Sm ³ /Sm ³] (> 0)		62	116	185						
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.29	0.34	0.40						
Recov. factor, gas ass. phase [fraction] (0.00-1.00)		0.29	0.34	0.40						
Recov. factor, gas main phase [fraction] (0.00-1.00)										
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)										
For NPD use:										
Temperature, top res [°C] (>0)	124				Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6						Kart nr	NPD will insert value

Table 4.12 SODIR Table4:Tyttebær Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Tyttebær	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE Volumes, this case		Main phase			Associated phase				
		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁹ Sm ³] (>0.00)	0.80	1.22	1.60	2.55				
	Gas [10 ⁹ Sm ³] (>0.00)					0.07	0.12	0.18	0.33
Recoverable resources	Oil [10 ⁹ Sm ³] (>0.00)	0.27	0.38	0.55	0.88				
	Gas [10 ⁹ Sm ³] (>0.00)					0.02	0.04	0.06	0.11
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.25	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.80	Trap (P2) (0.00-1.00)	0.45	Charge (P3) (0.00-1.00)	0.70	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.</i>				
Depth to top of prospect [m MSL] (> 0)			3435						
Area of closure [km ²] (> 0.0)			1.3		1.6				
Reservoir thickness [m] (> 0)		67	80		95				
HC column in prospect [m] (> 0)		78	90		103				
Gross rock vol. [10 ⁹ m ³] (> 0.000)		0.03	0.047		0.063				
Net / Gross [fraction] (0.00-1.00)		0.24	0.40		0.57				
Porosity [fraction] (0.00-1.00)		0.16	0.18		0.20				
Permeability [mD] (> 0.0)		30.0	62.4		100.0				
Water Saturation [fraction] (0.00-1.00)		0.28	0.33		0.39				
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)		0.66	0.71		0.77				
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)		62	116		185				
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.29	0.34		0.40				
Recov. factor, gas ass. phase [fraction] (0.00-1.00)									
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124			Innrappr. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625			Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.13 SODIR Table4: Rips Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Rips C	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE Volumes, this case		Main phase			Associated phase				
		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁹ Sm ³] (>0.00)	1.53	2.57	2.64	3.90				
	Gas [10 ⁹ Sm ³] (>0.00)					0.13	0.22	0.30	0.53
Recoverable resources	Oil [10 ⁹ Sm ³] (>0.00)	0.50	0.75	0.91	1.37				
	Gas [10 ⁹ Sm ³] (>0.00)					0.04	0.06	0.10	0.18
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.45	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.90	Trap (P2) (0.00-1.00)	0.63	Charge (P3) (0.00-1.00)	0.80	Retention (P4) (0.00-1.00)	1.00		
Parametres:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parametres section, Base is Mean.</i>				
Depth to top of prospect [m MSL] (> 0)			3730						
Area of closure [km ²] (> 0.0)			0.9	1.1	1.4				
Reservoir thickness [m] (> 0)		67	80	95					
HC column in prospect [m] (> 0)		85	100	115					
Gross rock vol. [10 ⁹ m ³] (> 0.000)		0.031	0.046	0.062					
Net / Gross [fraction] (0.00-1.00)		0.50	0.67	0.78					
Porosity [fraction] (0.00-1.00)		0.16	0.18	0.20					
Permeability [mD] (> 0.0)		30.0	62.4	100.0					
Water Saturation [fraction] (0.00-1.00)		0.28	0.33	0.39					
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)		0.66	0.71	0.77					
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)		62	116	185					
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.29	0.34	0.40					
Recov. factor, gas ass. phase [fraction] (0.00-1.00)		0.29	0.34	0.40					
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124				Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					NPD will insert value	Kart nr

Table 4.14 SODIR Table4: Rips C Prospect

Table 4: Discovery and Prospect data (Enclose map)

Block	34/5	Prospect name	Rips C	Discovery/Prop/Lead	Prospect	Prospect ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE Volumes, this case		Main phase			Associated phase				
		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁹ Sm ³] (>0.00)	1.53	2.57	2.64	3.90				
	Gas [10 ⁹ Sm ³] (>0.00)					0.13	0.22	0.30	0.53
Recoverable resources	Oil [10 ⁹ Sm ³] (>0.00)	0.50	0.75	0.91	1.37				
	Gas [10 ⁹ Sm ³] (>0.00)					0.04	0.06	0.10	0.18
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.45	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.90	Trap (P2) (0.00-1.00)	0.63	Charge (P3) (0.00-1.00)	0.80	Retention (P4) (0.00-1.00)	1.00		
Parameters:									
	Low (P90)	Base	High (P10)	Comments: Retention (P4) is included in Trap (P2). For Parameters section, Base is Mean.					
Depth to top of prospect [m MSL] (> 0)			3730						
Area of closure [km ²] (> 0.0)	0.9	1.1	1.4						
Reservoir thickness [m] (> 0)	67	80	95						
HC column in prospect [m] (> 0)	85	100	115						
Gross rock vol. [10 ⁹ m ³] (> 0.000)	0.031	0.046	0.062						
Net / Gross [fraction] (0.00-1.00)	0.50	0.67	0.78						
Porosity [fraction] (0.00-1.00)	0.16	0.18	0.20						
Permeability [mD] (> 0.0)	30.0	62.4	100.0						
Water Saturation [fraction] (0.00-1.00)	0.28	0.33	0.39						
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)	0.66	0.71	0.77						
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)	62	116	185						
Recov. factor, oil main phase [fraction] (0.00-1.00)	0.29	0.34	0.40						
Recov. factor, gas ass. phase [fraction] (0.00-1.00)	0.29	0.34	0.40						
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124			Innrap. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625			Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.15 SODIR Table4: Rips D Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Rips D	Discovery/Prospect/Lead	Prospect	Prospect ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	0.31	0.60	0.79	1.41				
	Gas [10 ⁹ Sm ³] (>0.00)					0.03	0.06	0.09	0.17
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	0.10	0.17	0.27	0.49				
	Gas [10 ⁹ Sm ³] (>0.00)					0.01	0.02	0.03	0.06
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.45	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.90	Trap (P2) (0.00-1.00)	0.63	Charge (P3) (0.00-1.00)	0.80	Retention (P4) (0.00-1.00)	1.00		
Parameters:	Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parameters section, Base is Mean.</i>					
Depth to top of prospect [m MSL] (> 0)			3765						
Area of closure [km ²] (> 0.0)	0.3	0.6	1.0						
Reservoir thickness [m] (> 0)	67	80	95						
HC column in prospect [m] (> 0)	50	65	80						
Gross rock vol. [10 ⁹ m ³] (> 0.000)	0.006	0.014	0.023						
Net / Gross [fraction] (0.00-1.00)	0.50	0.67	0.78						
Porosity [fraction] (0.00-1.00)	0.16	0.18	0.20						
Permeability [mD] (> 0.0)	30.0	62.4	100.0						
Water Saturation [fraction] (0.00-1.00)	0.28	0.33	0.39						
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)	0.66	0.71	0.77						
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)			185						
Recov. factor, oil main phase [fraction] (0.00-1.00)	0.29	0.34	0.40						
Recov. factor, gas ass. phase [fraction] (0.00-1.00)	0.29	0.34	0.40						
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124			Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625			Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.16 SODIR Table4: Rips E Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Rips	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE Volumes, this case		Main phase			Associated phase				
		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁹ Sm ³] (>0.00)	0.35	0.43	0.66	1.08				
	Gas [10 ⁹ Sm ³] (>0.00)					0.03	0.04	0.08	0.14
Recoverable resources	Oil [10 ⁹ Sm ³] (>0.00)	0.12	0.14	0.23	0.37				
	Gas [10 ⁹ Sm ³] (>0.00)					0.01	0.01	0.03	0.05
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.25	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.80	Trap (P2) (0.00-1.00)	0.45	Charge (P3) (0.00-1.00)	0.70	Retention (P4) (0.00-1.00)	1.00		
Parameters:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parameters section, Base is Mean.</i>				
Depth to top of prospect [m MSL] (> 0)			3555						
Area of closure [km ²] (> 0)		0.6	0.7	0.7					
Reservoir thickness [m] (> 0)		67	80	95					
HC column in prospect [m] (> 0)		82	90	98					
Gross rock vol. [10 ⁹ m ³] (> 0.000)				0.030					
Net / Gross [fraction] (0.00-1.00)		0.18	0.31	0.48					
Porosity [fraction] (0.00-1.00)		0.16	0.18	0.20					
Permeability [mD] (> 0)		30.0	62.4	100.0					
Water Saturation [fraction] (0.00-1.00)		0.28	0.33	0.39					
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)		0.66	0.71	0.77					
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)		62	116	185					
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.29	0.34	0.40					
Recov. factor, gas ass. phase [fraction] (0.00-1.00)									
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	142				Innrappt. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert
Pressure, top res [bar] (>0)	630				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato
Cut off criteria for N/G calculation	1.VCL<	2.PHIE>	3.					NPD will insert value	Kart nr

Table 4.17 SODIR Table4: Ursula Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Ursula	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE		Main phase			Associated phase				
Volumes, this case		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁶ Sm ³] (>0.00)	3.10	4.10	6.43	10.76				
	Gas [10 ⁹ Sm ³] (>0.00)					0.27	0.36	0.75	1.40
Recoverable resources	Oil [10 ⁶ Sm ³] (>0.00)	1.04	1.29	2.21	3.74				
	Gas [10 ⁹ Sm ³] (>0.00)					0.09	0.13	0.26	0.49
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.21	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.60	Trap (P2) (0.00-1.00)	0.70	Charge (P3) (0.00-1.00)	0.50	Retention (P4) (0.00-1.00)	1.00		
Parameters:		Low (P90)	Base	High (P10)	<i>Comments: Retention (P4) is included in Trap (P2). For Parameters section, Base is Mean.</i>				
Depth to top of prospect [m MSL] (> 0)			3240						
Area of closure [km ²] (> 0.0)		2.8	3.6	4.5					
Reservoir thickness [m] (> 0)									
HC column in prospect [m] (> 0)		227	310	400					
Gross rock vol. [10 ⁹ m ³] (> 0.000)		0.160	0.244	0.335					
Net / Gross [fraction] (0.00-1.00)		0.18	0.31	0.48					
Porosity [fraction] (0.00-1.00)		0.16	0.18	0.20					
Permeability [mD] (> 0.0)		30.0	62.4	100.0					
Water Saturation [fraction] (0.00-1.00)		0.28	0.33	0.39					
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)		0.66	0.71	0.77					
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)		62	116	185					
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.29	0.34	0.40					
Recov. factor, gas ass. phase [fraction] (0.00-1.00)		0.29	0.34	0.40					
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124				Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					NPD will insert value	Kart nr

Table 4.18 SODIR Table4: Quezac Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Quezac	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE Volumes, this case		Main phase			Associated phase				
		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁹ Sm ³] (>0.00)	3.86	5.15	8.04	13.54				
	Gas [10 ⁹ Sm ³] (>0.00)					0.34	0.57	0.92	1.71
Recoverable resources	Oil [10 ⁹ Sm ³] (>0.00)	1.31	1.99	2.77	4.64				
	Gas [10 ⁹ Sm ³] (>0.00)					0.11	0.21	0.32	0.60
Reservoir Chrono (from)	Pliensbachian	Reservoir litho (from)	Cook Fm	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Toarcian
Reservoir Chrono (to)	Toarcian	Reservoir litho (to)	Cook Fm	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Drake Fm
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.15	Oil case (0.00-1.00)	1.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	0.00		
Reservoir (P1) (0.00-1.00)	0.60	Trap (P2) (0.00-1.00)	0.50	Charge (P3) (0.00-1.00)	0.50	Retention (P4) (0.00-1.00)	1.00		
Parameters:									
	Low (P90)	Base	High (P10)	Comments: Retention (P4) is included in Trap (P2). For Parameters section, Base is Mean.					
Depth to top of prospect [m MSL] (> 0)			3845						
Area of closure [km ²] (> 0.0)			3.7	5.1	6.6				
Reservoir thickness [m] (> 0)	67	80	95						
HC column in prospect [m] (> 0)	196	235	275						
Gross rock vol. [10 ⁹ m ³] (> 0.000)	0.199	0.301	0.413						
Net / Gross [fraction] (0.00-1.00)	0.18	0.31	0.48						
Porosity [fraction] (0.00-1.00)	0.16	0.18	0.20						
Permeability [mD] (> 0.0)	30.0	62.4	100.0						
Water Saturation [fraction] (0.00-1.00)	0.28	0.33	0.39						
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm3/Rm3] (< 1.00)	0.66	0.71	0.77						
GOR, free gas [Sm ³ /Sm ³] (> 0)									
GOR, oil [Sm ³ /Sm ³] (> 0)	62	116	185						
Recov. factor, oil main phase [fraction] (0.00-1.00)	0.29	0.34	0.40						
Recov. factor, gas ass. phase [fraction] (0.00-1.00)	0.29	0.34	0.40						
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)	124			Innrapp. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)	625			Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					Kart nr	NPD will insert value

Table 4.19 SODIR Table4: Polly Prospect

Table 4: Discovery and Prospect data (Enclose map)									
Block	34/5	Prospect name	Polly DoD	Discovery/Prosp/Lead	Prospect	Prosp ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Oil&Gas	Reported by company	DNO Norge AS	Reference document	PL1106 relinquishment report			Assessment year	2023
This is case no.:	1 of 1	Structural element	Tampen Spur	Type of trap	Structural	Water depth [m MSL] (>0)	385	Seismic database (2D/3D)	3D
Resources IN PLACE and RECOVERABLE Volumes, this case		Main phase			Associated phase				
		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources	Oil [10 ⁹ Sm ³] (>0.00)	1.39	3.19	4.68	8.35	0.00	0.01	0.01	0.01
	Gas [10 ⁹ Sm ³] (>0.00)	0.49	0.67	0.72	0.99	0.10	0.20	0.33	0.59
Recoverable resources	Oil [10 ⁹ Sm ³] (>0.00)	0.28	0.63	1.02	1.88	0.00	0.00	0.00	0.00
	Gas [10 ⁹ Sm ³] (>0.00)	0.29	0.39	0.43	0.59	0.06	0.13	0.20	0.36
Reservoir Chrono (from)	Rupelian	Reservoir litho (from)	Skade	Source Rock, chrono primary	Kimmeridgian	Source Rock, litho primary	Draupne Fm	Seal, Chrono	Aquitain
Reservoir Chrono (to)	Chattian	Reservoir litho (to)	Vade	Source Rock, chrono secondary	Oxfordian	Source Rock, litho secondary	Heather Fm	Seal, Litho	Lark
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0.18	Oil case (0.00-1.00)	0.00	Gas case (0.00-1.00)	0.00	Oil & Gas case (0.00-1.00)	1.00		
Reservoir (P1) (0.00-1.00)	0.50	Trap (P2) (0.00-1.00)	0.60	Charge (P3) (0.00-1.00)	0.60	Retention (P4) (0.00-1.00)	1.00		
Parameters:									
	Low (P90)	Base	High (P10)	Comments: Retention (P4) is included in Trap (P2). For Parameters section, Base is Mean.					
Depth to top of prospect [m MSL] (> 0)			1480						
Area of closure [km ²] (> 0)			3.3	5.1	6.8				
Reservoir thickness [m] (> 0)		13	20	26					
HC column in prospect [m] (> 0)		38	44	49					
Gross rock vol. [10 ⁹ m ³] (> 0.000)		0.030	0.054	0.079					
Net / Gross [fraction] (0.00-1.00)		0.85	0.89	0.93					
Porosity [fraction] (0.00-1.00)		0.27	0.30	0.33					
Permeability [mD] (> 0.0)		30.0	62.4	100.0					
Water Saturation [fraction] (0.00-1.00)		0.27	0.35	0.43					
Bg [Rm3/Sm3] (< 1.0000)		0.0058	0.0060	0.0062					
1/Bo [Sm3/Rm3] (< 1.00)		0.88	0.89	0.91					
GOR, free gas [Sm ³ /Sm ³] (> 0)		92071	113445	143967					
GOR, oil [Sm ³ /Sm ³] (> 0)		60	70	80					
Recov. factor, oil main phase [fraction] (0.00-1.00)		0.16	0.22	0.27					
Recov. factor, gas ass. phase [fraction] (0.00-1.00)		0.55	0.60	0.65					
Recov. factor, gas main phase [fraction] (0.00-1.00)		0.55	0.60	0.65					
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)		0.42	0.49	0.55					
Temperature, top res [°C] (>0)	124				Innrappt. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert
Pressure, top res [bar] (>0)	625				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato
Cut off criteria for N/G calculation	1.VCL<0.4	2.PHIE>0.12	3. Sw<0.6					NPD will insert value	Kart nr

5 Technical assessment

The license technical and economical (Tec-Ec) assessment evaluation has been run on the Hakone Tithonian Upper Prospect. Due to the limited upside potential in the Hakone Tithonian Lower, a combination has a negative impact on the prospect economics. Reservoir properties have been provided by the petrophysical evaluation, and cross-checked with analogs and nearby field production. The expected hydrocarbon fluid is oil. Assumed drainage strategy is voidage replacement and pressure maintenance by water injection after 2 years of production. Tec-ec reservoir assumptions are listed in Table 5.1. The Hakone Tithonian Upper resource range used in the evaluation is **12.5–28.2–85.3 MMboe** (P90-P50-P10), where the P10 case include the Hakone Tithonain Lower as a potential "extended" high case scenario.

Table 5.1 Tec-Ec reservoir parameters input

Permeability	Parameters		
	Min	Pm	Max
Porosity (%)	12	16	21
Permeability (mD)	10	70	200
Recovery factor (%)	20	34	45
Initial pressure (bar)	625		
Fluid type	Oil		
Drainage strategy	Water injection		

All Hakone cases are developed as a subsea tie-back via SEP N-template to the Snorre A platform and MLT (Multi Lateral) well solution. Direct tie-back to the Snorre B platform was considered but more costly. The development scenario assumes a 16 km production line & umbilical to SEP-template (N-template). The Snorre production licence expires end of 2040, but it is assumed continued Snorre Field production until 2050. The planned Hakone start-up was set to 2032 in the development scenario modelling. At this time there should be available production and injection capacity.

The production forecast modelling has the following assumptions:

- Exploration well expected in 2025, appraisal in 2026 (included in P50 and P10 cases).
 - Expected production start-up in 2032.
- Development scenario:
 - **P90** case: 1 horizontal producer in Upper only + 1 WI.
 - **P50** case: 1 MLT producer (two branches in Upper) + 1 WI.
 - **P10** case: 3 MLT producers + 3 WI.
 - 1 MLT with two branches in Upper.
 - 2 MLT's with one branch in each reservoir
- All producers/branches are horizontal producers to maximize reservoir exposure.
- As reservoir pressure is high the first two years assumes production by depletion, water injectors are planned to be drilled 2 years after production start-up.

The resulting modelled production profiles are displayed in Fig. 5.1.

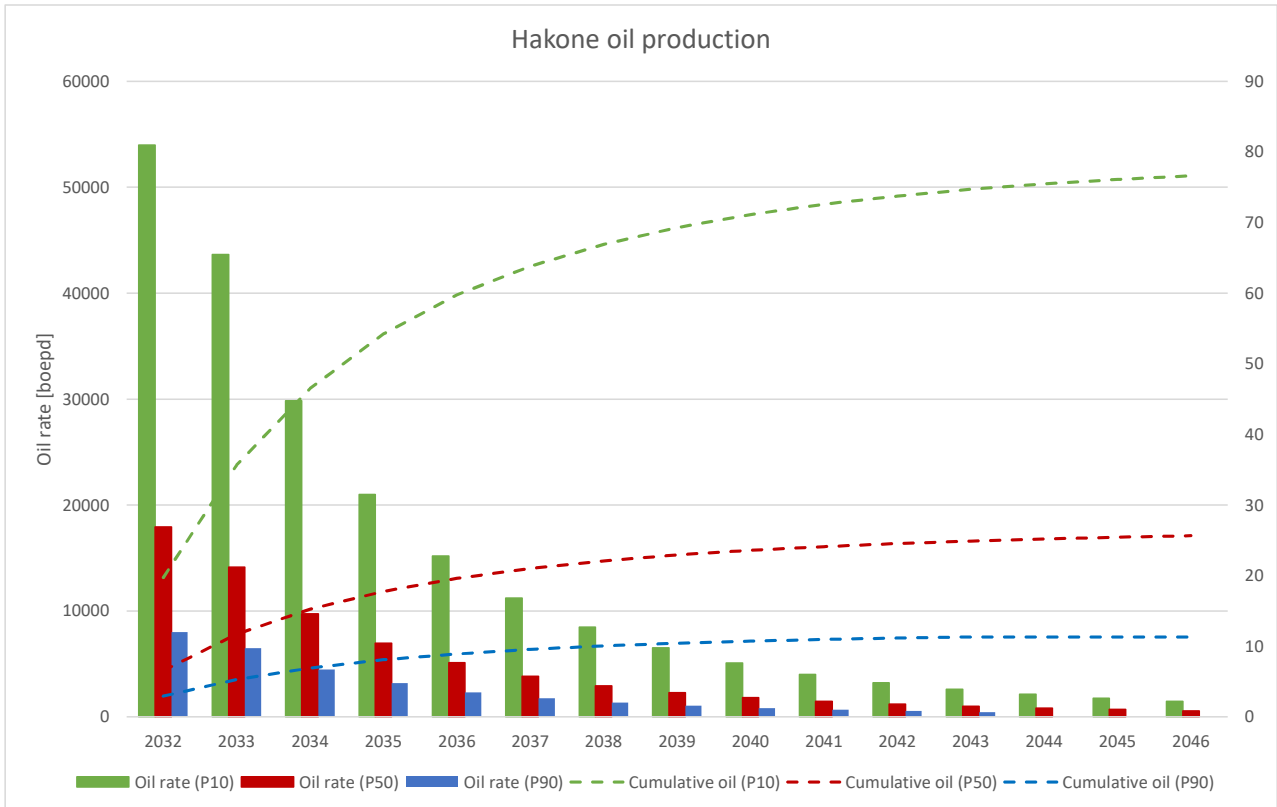


Fig. 5.1 Hakone Tithonian Upper Prospect production profile

The resulting MEFS (Minimum Economic Field Size) with an IRR (Internal Rate of Return) of 10% is 25mmboe. P10 and P50 cases are treated as development cases, but the P50 scenario is only marginal economic. The P90 scenario is treated as a technical discovery.

6 Conclusion

Fifteen prospects and two leads, in addition to the Blåbær Discovery and southern segment upside, have been evaluated within PL1106. Two initial APA leads have been downgraded. The main Prospect, Hakone, has been divided into two segments; Upper and Lower Tithonian. They have been downgraded in terms of resources and considered uneconomic. No upside prospectivity has been identified in the Upper Jurassic play within the license. There is limited potential in the Cook and Skade/Vade formations. The license work programme has been fulfilled. Given the limited resources within the separate prospects and upside, the licensees have come to an unanimous decision to relinquish PL1106.