



## PL 516 Licence status report

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## Summary

See Chapter 5.

## Table of contents

1	<b>Key licence history</b> .....	5
2	<b>Database</b> .....	5
3	<b>Review of geological framework</b> .....	6
4	<b>Prospect update</b> .....	6
5	<b>Conclusions</b> .....	6

## List of Figures

Figure 1 License overview map with seismic database, discoveries, wells, prospect outline and PL043 ES license area to be updated. ....	7
Figure 2 Top Fangst Gp structural map with Dompap South prospect polygon (upper left). Geoseismic section (upper right) and a seismic section across the Dompap South prospect .....	8

## 1 Key licence history

Production license 516 is located within block 6608/10 between Dompap (6608/10-12) and Fossekall (6608/10-14S) in the Skuld field. The license was awarded 23rd of January 2009 (APA 2008). The partnership at time of relinquishment was Equinor Energy AS (Operator 63.95455% ), Petoro AS (24.545450%) and Vår Energi AS (11.50000%). The motivation for the application was to capture the southern extension of the Jurassic Dompap and the Cretaceous Måke prospects, that was to be drilled in PL 128 in 2008 (11% and 56% of the recoverable volumes were located in open acreage, respectively). The Dompap prospect turned out to be a discovery, while the Måke prospect was water wet (6608/10-12, 6608/10-12 A).

In 2011, 15.344 km<sup>2</sup> of the licensed acreage was relinquished, while 2.8 km<sup>2</sup> was kept, following an updated prospect evaluation after the two wells. The conclusion was that the remaining prospectivity in Lange Formation (Måke II and Kolibri) would not carry the cost of an exploration well and was subsequently relinquished. The remaining part of PL 516 was kept as the southern tip of the Jurassic Dompap Sør prospect extended into the license and was evaluated as upside resources in the Skuld PDO (Dompap and Fossekall discoveries).

The Dompap South project was reevaluated in 2019/2020 as part of a larger work on the Jurassic Play in the area. This worked concluded that the Dompap South prospect has very limited volume potential and low probability of success. With no other identified prospectivity, the 516 partnership unanimously decided to relinquish the license in its entirety

## 2 Database

The most important seismic surveys used for the re-evaluation of prospectivity in PL 516 includes 3D surveys ST11M01, ST11M04, PGS16005 and EQ19M01.

Key wells used in the evaluation are 6608/10-1, 6608/10-2, 6608/10-3, 6608/10-3 R, 6608/10-10, 6608/10-12, 6608/10-12 A, 6608/10-14 S, 6608/10-17 S. 6608/11-2, 6608/11-4.

### 3 Review of geological framework

The Jurassic play in PL 516 is well understood both with respect to exploration- and production potential. Seismic signature, reservoir properties and migration routes have been extensively tested. The main risk for the remaining Jurassic exploration targets is trap seal, as the prospects are often rotated down-faulted blocks that are juxtaposed with Jurassic (sand-rich) sequences due to a limited fault throw. Migration, source and reservoir on the contrary are proven to function for the Jurassic Not, Ile, Tofte, Tilje and Åre reservoirs. Consequently, these parameters carry a much lower risk.

The Jurassic prospectivity was re-evaluated by studying all the available well and seismic data. The results of the studies form the basis for volumetric input parameters and risk assessment.

In detail, the studies/work part of the re-evaluation were the following:

- Re-mapping on (reprocessed) 3D-seismic
- Geophysical work to clarify direct hydrocarbon indicators
- Consistent and bench-marked evaluation of reservoir parameters and recovery factors for prospects in the larger Norne area

### 4 Prospect update

The reservoir in the Dompap South prospect is of Jurassic Åre 2, upper Åre 1 (Båt Group) and Triassic Grey beds. (Båt Group). The Båt Group is dominated by sediments deposited in deltaic to shallow marine environments overlying the Triassic Grey and Red beds.

Dompap South has previously been evaluated as downfaulted three-way closure. Updated seismic interpretation places the prospect within the western bounding fault plane of the Nordland Ridge. Trap geometry is therefore regarded as a key risk for Dompap South.

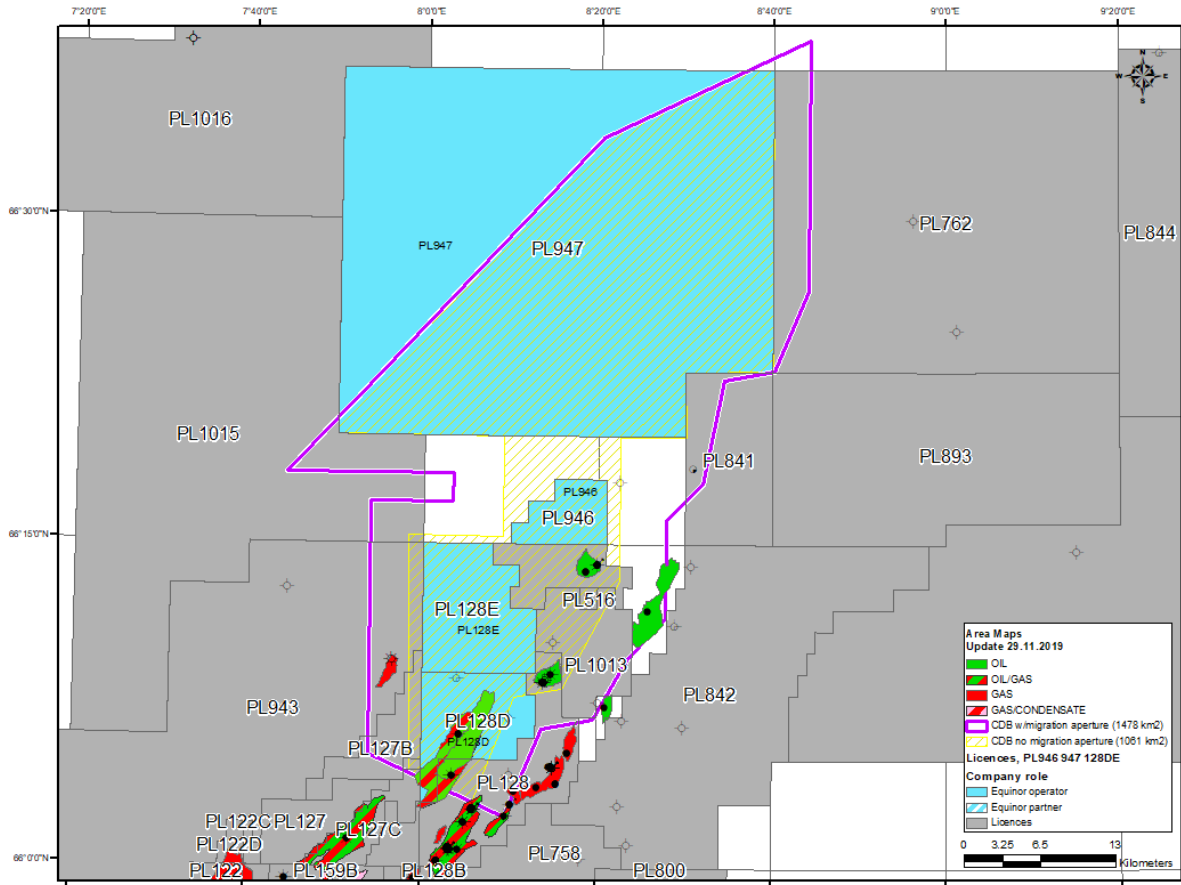
A business case based on tie-in to the Skuld development e was considered. However, due to the low volumes and high risk of the Dompap South prospect, a detailed technological/economical assessment was not performed.

	Total mean in-place MSm <sup>3</sup> O.E.	Risked in place volumes MSm <sup>3</sup> O.E.	Total mean recoverable MSm <sup>3</sup> O.E.	Pg	Main risk
Dompap South	2.14	0.56	0.32	9.6%	Trap geometry

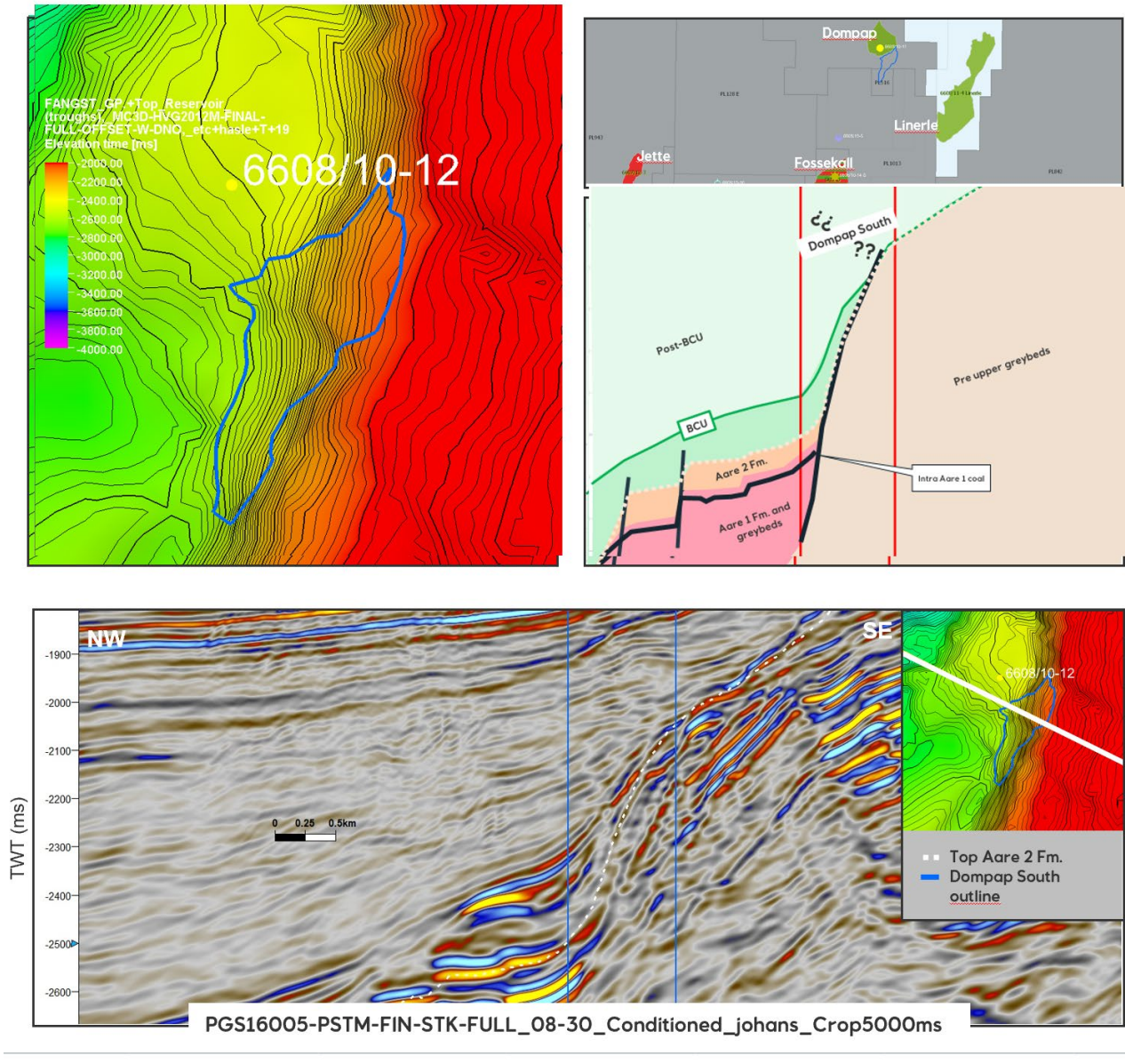
### 5 Conclusions

The Operator has completed the evaluation of the Dompap South prospect, concluding that the volume potential is limited and the probability for geological success is low. On this basis, the 516 partnership unanimously decided to relinquish the license in its entirety.

**FIGURES**



**Figure 1** License overview map with seismic database, discoveries, wells, prospect outline and PL 516 license area.



**Figure 2** Top Fangst Gp structural map with Dompap South prospect polygon (upper left). Geoseismic section (upper right) and a seismic section across the Dompap South prospect