Sand distribution in Melke Formation (Middle - Late Jurassic) along the Nordland Ridge and Halten Terrace

APPLIED PETROLEUM TECHNOLOGY

APT has carried out a study of the Spekk, Melke and partly Garn Formations to date sand bodies and map their regional extent along the Nordland Ridge. A total of forty-one wells with available biostratigraphic and wireline log data have been included in the project.

Deliverables:

- Re-interpretation of the Garn Formation.
- Identification and dating of the Intra Melke sandstone.
- Maps with distribution of Garn formation, "Intra Melke" and "Oxfordian" sands.
- Depositional environments
- Chrono/lithostratigraphic breakdowns of each well with documentation of important biostratigraphic occurrences.
- Wheeler diagrams highlighting hiatuses.
- Event correlation profiles

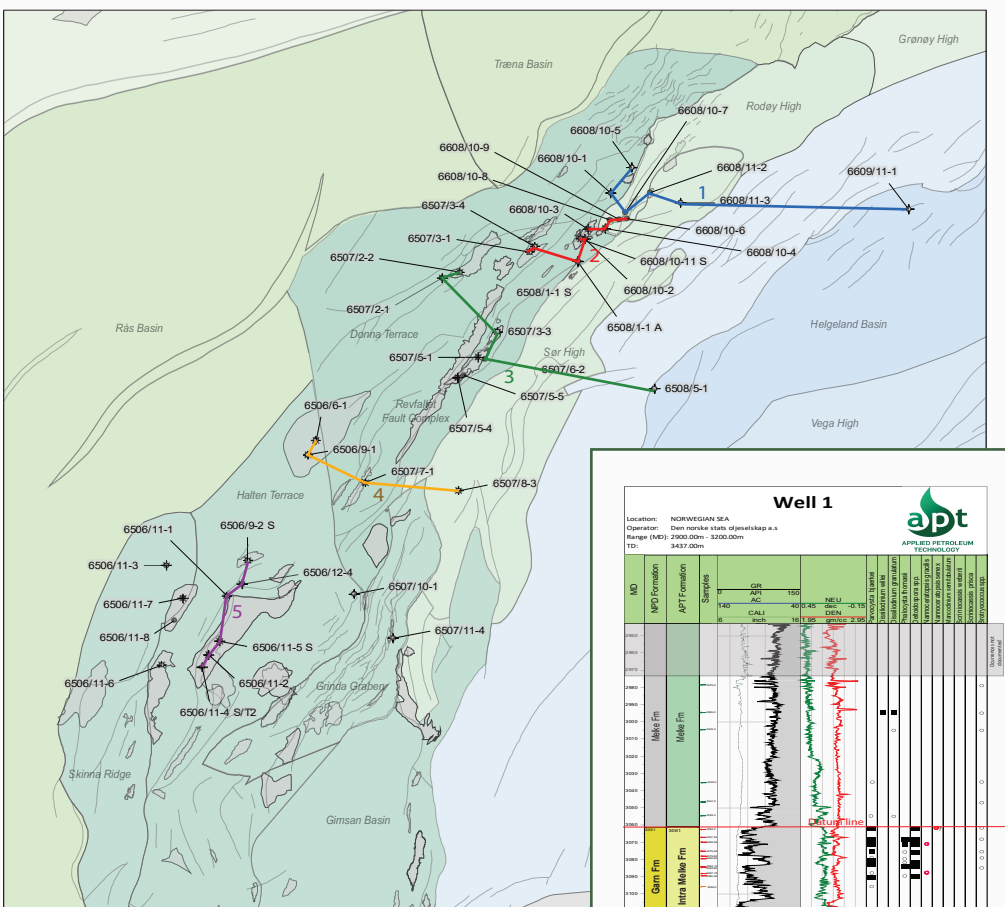

Figure 1

Well list:

6506/6-1	6507/3-1	6608/10-1
6506/9-1	6507/3-3	6608/10-2
6506/9-2 S	6507/3-4	6608/10-3
6506/11-1	6507/5-1	6608/10-4
6506/11-2	6507/5-4	6608/10-5
6506/11-3	6507/5-5	6608/10-6
6506/11-4 S/T2	6507/6-2	6608/10-7
6506/11-5 S	6507/7-1	6608/10-8
6506/11-6	6507/8-3	6608/10-9
6506/11-7	6507/10-1	6608/10-1
6506/11-8	6507/11-4	6608/11-2
6506/12-4	6508/1-1A	6608/11-3
6507/2-1	6508/1-1S	6609/11-1
6507/2-2	6508/5-1	

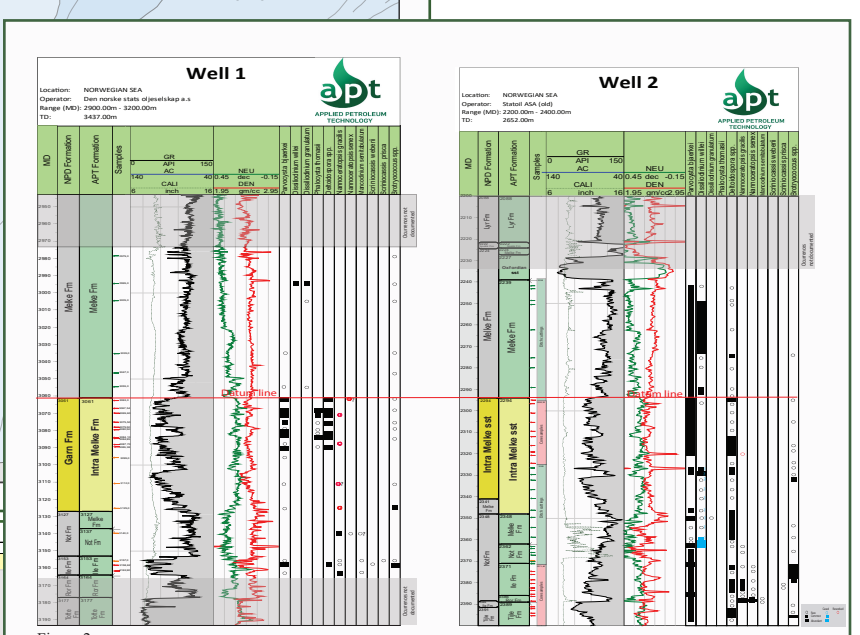

Figure 2

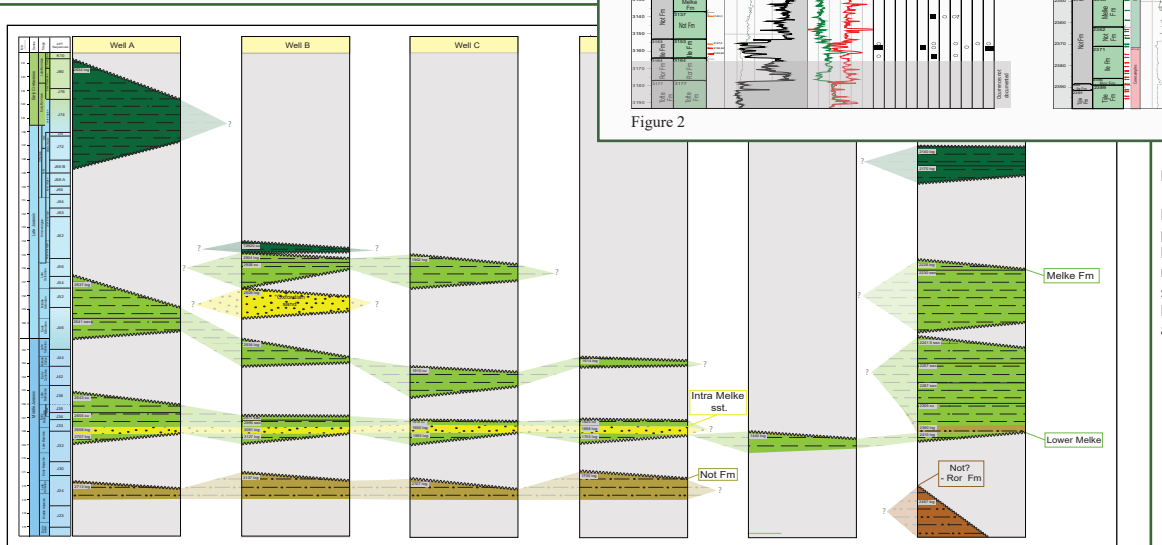

Figure 3

Figure descriptions:

Figure 1: Well location map; Well correlation profiles
Figure 2: Relationship between previously named Garn and re-named "Intra Melke sandstone" and re-interpreted biostratigraphy
Figure 3: Correlation of 6 wells in the studied area plotted as Wheeler diagrams.

APPLIED PETROLEUM TECHNOLOGY AS
Postboks 173, 0903 Oslo, Norway
www.aptec.no

Telephone: +47 4539 6000
email: sab@aptec.no
mhs@aptec.no