



16 November 2018

Ian Roche
Aurora Energy Resources Limited
Westfield Estate
Milltimber, Aberdeen
AB13 0EX

Dear Ian,

LICENCE PEDL164

Thank you for your letter of 18 September 2018 in which you requested certain amendments to the Retention Area Plan for RA1 on PEDL164 (the "**Licence**"). The Retention Areas on PEDL164 are defined by coordinates set out in Attachment 1.

Pursuant to sub-clauses 16(6) and 16(7) of the Licence, the Oil and Gas Authority approves the proposed amendments to the Re.

The new Retention Area Plans for the Licence are as follows:

PEDL164 RA1 3D Area

- The geographic area of the Retention Area is the Area of PEDL164 covered by the 2016 Formby 3D seismic survey.
- The work programme is to submit a planning application by 30 September 2019 and to drill a well in RA1 to the shallower of 3,000m or 50m into the Bowland High Group by 30 September 2020.
- The Expiry date of the Retention Area is 30 September 2020.

PEDL164 RA2 Shale Exploration Area (unchanged)

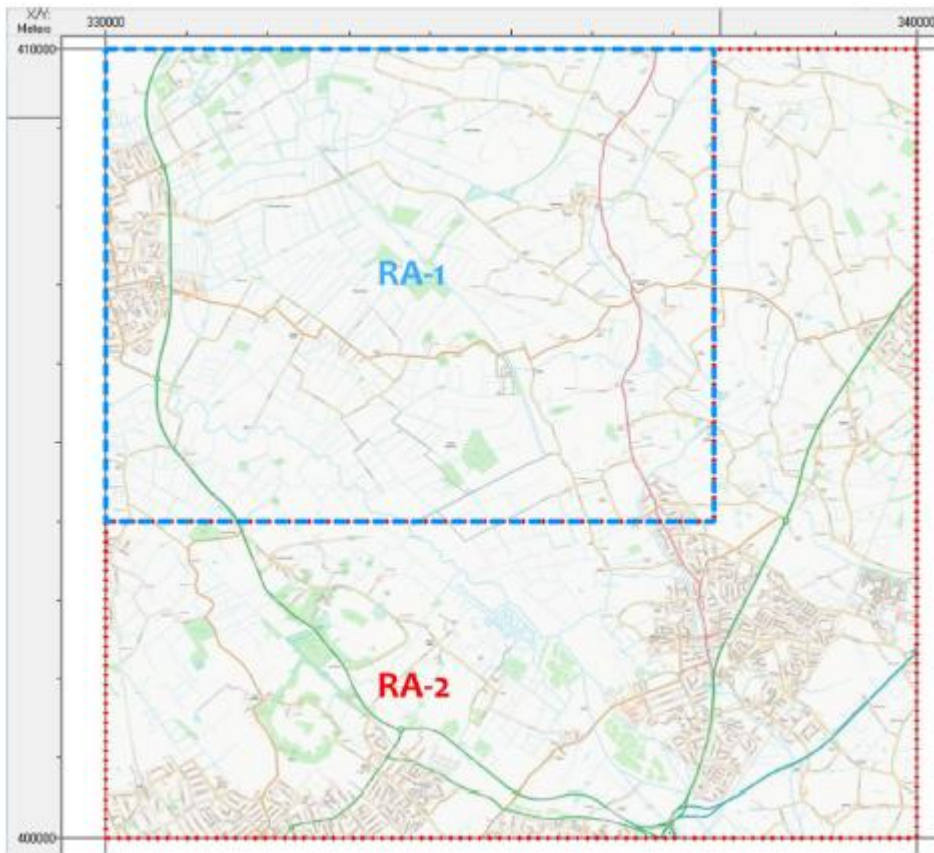
- The geographic area of the Retention Area is the area of PEDL164 outside the area covered by the 2016 Formby 3D seismic survey.
- The work programme is to acquire 30 km² new 3D seismic data in RA2 by 30 September 2020, submit a planning application by 30 September 2021 and drill a well in RA2 to the shallower of 3,000m or 50m into the Bowland High Group by 30 September 2023.
- The Expiry date of the Retention Area is 30 September 2023.

The approval date for the amended Retention Area Plan is 16 November 2018.

Yours sincerely

Head of Onshore Exploration and Production

Attachment 1: Location of PEDL164 Retention Areas



RA-1	X	Y
1	330,000	410,000
2	337,500	410,000
3	337,500	404,000
4	330,000	404,000
5	330,000	410,000

RA-2	X	Y
1	330,000	404,000
2	337,500	404,000
3	337,500	410,000
4	340,000	410,000
5	340,000	400,000
6	330,000	400,000
7	330,000	404,000