

GARAH Critical Screening Parameters					Source (Ref.list)	Comments	3003
Shale Name:	Farsund Formation					Upper Jurassic to lower Cretaceous	
Country:	Denmark						
Age (Age):							
Age (Epoch):	Upper Jurassic			1, 3			
Basin:	North Sea						
Chance of success parameters				Source (Ref.list)	Comments		
Mapping status	Good			2		Proven SR in North Sea Basin	
Sedimentary variability	Moderate						
Structural complexity	Moderate						
Available HC data	Moderate						
Proven source rock	Proven						
Maturity variability	Moderate						
Depth	Average						
Mineral composition	Poor						
Detailed parameter list		Min	Max	Mean	Distribution	Source (Ref.list)	Comments
1. Area (km2)							
2. Thickness (gross, m)		20	1000	300	triangular	1	Average estimated
2a. Thickness (net, m)		20	1000	300	triangular		
2b. Net/Gross (%)		80	100	95	triangular		
3. Depth (m)		1000	5000	2500	triangular		
4. Density (g/cm3)							
5. TOC (%)		0,5	15	3	triangular		Average estimated
6. Porosity (%)							
7. Maturity (%VR) or graptolite equivalent							
8. Reservoir pressure (psi)							
9. Reservoir Temperature (°C)							
10. Gas saturation (%) (Sg)							
11. Oil Saturation (%) (So)							
12. Gas generation mgHC/g TOC (Hydrogen index)		100	600	400	triangular		Average estimated
13. Kerogen type		I/II	II/III	II-II/III			trace type III and I
14. Sorption capacity VReq. - 1,9 % (mmol/g)							
15. Matrix permeability (nDarcy)							
16. Adsorbed gas storage capacity (scf/ton)							
17. Compressibility factor (z)							
18a. Bg - Gas formation volume factor							
18b. Bo - Oil formation volume factor							
19. Langmuir Pressure (pL, psi)							
20. Langmuir Volume (nL, scf/ton)							
21. Bulk mineral constituents XRD							
21a Total Clay content (%)							
Content of smectite							
Content of Illite & Mica							
Content of Kaolinite							
21b Quartz-feldspars content (%)							
21c Carbonate content (%)							
22. Brittleness indicators							
22a Poisson's ratio							
22b Young's modulus							
22c other indicators							