

**CIRCUM-ARCTIC RESOURCE ASSESSMENT
GEOLOGIC DATA FORM FOR CONVENTIONAL ASSESSMENT UNITS (Version 5.1, June 4, 2007)**

IDENTIFICATION INFORMATION

Assessment Geologist:	<u>D.L. Gautier</u>	Date:	<u>3-Aug-07</u>
Region:	<u>North America</u>	Number:	<u>5</u>
Province:	<u>East Greenland Rift Basins</u>	Number:	<u>5200</u>
Total Petroleum System:	<u>Upper Jurassic Marine Shales</u>	Number:	<u>520001</u>
Assessment Unit:	<u>Northeast Greenland Volcanic Province</u>	Number:	<u>52000103</u>
Scenario:	<u></u>	Number:	<u></u>
Based on Data as of:	<u></u>		
Notes from Assessor:	<u></u>		

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 70,658 square kilometers

Minimum assessed accumulation size: 50 mmboe (grown)

No. of discovered accumulations exceeding minimum size: Oil: 0 Gas: 0

Uncertainty Class:	Check One	Number
Producing fields	<u></u>	<u></u>
Discoveries	<u></u>	<u></u>
Wells	<u></u>	<u></u>
Seismic	<u></u>	<u></u>
No seismic	<u>X</u>	<u></u>

Median size (grown) of discovered oil accumulations (mmbo):

1st 3rd	<u></u>	2nd 3rd	<u></u>	3rd 3rd	<u></u>
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Median size (grown) of discovered gas accumulations (bcfg):

1st 3rd	<u></u>	2nd 3rd	<u></u>	3rd 3rd	<u></u>
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ANALOGS USED IN ESTIMATING INPUT

<u>Purpose</u>	<u>Analog or Analog Set</u>
1 <u>Number</u>	<u>Rift/Sag Basins</u>
	<u></u>
	<u></u>
2 <u>Sizes</u>	<u>Rift/Sag Basins, North Sea assessment units</u>
	<u></u>
	<u></u>
3 <u>Coproducts</u>	<u>Halten Terrace-Trondelag Platform (40170101)</u>
	<u></u>
	<u></u>
4 <u>Ancillary</u>	<u>Halten Terrace-Trondelag Platform (40170101)</u>
	<u></u>
	<u></u>

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:

	minimum	median	maximum
API gravity (degrees):	<u>25</u>	<u>44</u>	<u>55</u>
Viscosity (centipoise)	<u>0.5</u>	<u>0.7</u>	<u>2.3</u>
Sulfur content of oil (%):	<u>0.05</u>	<u>0.09</u>	<u>0.3</u>
Depth (m) of water (if applicable):	<u>200</u>	<u>350</u>	<u>500</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>500</u>		<u>2500</u>		<u>4500</u>

Gas Accumulations:

	minimum	median	maximum
Inert gas content (%):	<u>0.1</u>	<u>0.6</u>	<u>3</u>
Carbon dioxide content (%):	<u>0.1</u>	<u>3</u>	<u>6</u>
Hydrogen sulfide content (%):	<u>0.5</u>	<u>3</u>	<u>10</u>
Depth (m) of water (if applicable):	<u>200</u>	<u>350</u>	<u>500</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>500</u>		<u>2750</u>		<u>5000</u>

Assessment Unit (name, no.)
Scenario (name, no.)

Northeast Greenland Volcanic Province, 52000103

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ARCTIC AREA

1 North of Arctic Circle

100 area % of the AU

Oil in Oil Accumulations: 100 volume % of the AU

Gas in Gas Accumulations: 100 volume % of the AU

2 South of Arctic Circle

 area % of the AU

Oil in Oil Accumulations: volume % of the AU

Gas in Gas Accumulations: volume % of the AU

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

97.67 area % of the AU

Oil in Oil Accumulations: 100 volume % of the AU
Gas in Gas Accumulations: 100 volume % of the AU

2 Onshore portion of:

Greenland

2.33 area % of the AU

Oil in Oil Accumulations: 0 volume % of the AU
Gas in Gas Accumulations: 0 volume % of the AU

3 Onshore portion of:

 area % of the AU

Oil in Oil Accumulations: volume % of the AU
Gas in Gas Accumulations: volume % of the AU

4 Onshore portion of:

 area % of the AU

Oil in Oil Accumulations: volume % of the AU
Gas in Gas Accumulations: volume % of the AU

5 Onshore portion of:

 area % of the AU

Oil in Oil Accumulations: volume % of the AU
Gas in Gas Accumulations: volume % of the AU

6 Onshore portion of:

 area % of the AU

Oil in Oil Accumulations: volume % of the AU
Gas in Gas Accumulations: volume % of the AU