

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

IDENTIFICATION INFORMATION

Assessment Geologist:	D.L. Gautier	Date:	3-Aug-07
Region:	North America	Number:	5
Province:	East Greenland Rift Basins	Number:	5200
Total Petroleum System:	Mesozoic-Cenozoic Composite	Number:	520002
Assessment Unit:	Thetis Basin	Number:	52000201
Scenario:		Number:	
Based on Data as of:			
Notes from Assessor:			

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 54,010 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		
Discoveries		
Wells		
Seismic	X	
No seismic		

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

1st 3rd _____	2nd 3rd _____	3rd 3rd _____
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Median size (grown) of discovered gas accumulations (bcfg):

1st 3rd _____	2nd 3rd _____	3rd 3rd _____
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ANALOGS USED IN ESTIMATING INPUT

<u>Purpose</u>	<u>Analog or Analog Set</u>
1 <u>Number</u>	Slope clinoforms and turbidites; and rifted passive margins
2 <u>Sizes</u>	Slope clinoforms and turbidites; and rifted passive margins
3 <u>Coproducts</u>	Halten Terrace-Trondelag Platform (40170101)
4 <u>Ancillary</u>	Halten Terrace-Trondelag Platform (40170101)

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

Thetis Basin, 52000201

Probability of occurrence (0-1.0)

Scenario Probability:

Assessment-Unit Probabilities: (Adequacy for at least one undiscovered field of minimum size)

<u>Attribute</u>	<u>Probability of occurrence (0-1.0)</u>
1. CHARGE: Adequate petroleum charge:	<u>0.6</u>
2. ROCKS: Adequate reservoirs, traps, and seals:	<u>0.9</u>
3. TIMING OF GEOLOGIC EVENTS: Favorable timing:	<u>0.9</u>
Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3):	<u>0.486</u>

UNDISCOVERED ACCUMULATIONS

Number of Undiscovered Accumulations: How many undiscovered accumulations exist that are at least the minimum size?: (uncertainty of fixed but unknown values)

Total Accumulations:	minimum (>0) <u>1</u>	median <u>12</u>	maximum <u>45</u>
Oil/Gas Mix:	minimum (>0) <u>0.25</u>	mode <u>0.5</u>	maximum <u>0.75</u>
	X <u> </u> # of oil accumulations / # of total accumulations		
	<u> </u> # of oil accumulations / # of gas accumulations		
	<u> </u> # of gas accumulations / # of oil accumulations		
Oil Accumulations:	minimum (>0) <u>1</u>	median <u>6</u>	maximum <u>35</u>
Gas Accumulations:	minimum (>0) <u>1</u>	median <u>6</u>	maximum <u>35</u>

Sizes of Undiscovered Accumulations: What are the sizes (**grown**) of the above accumulations?: (variations in the sizes of undiscovered accumulations)

Oil in Oil Accumulations (mmb):	minimum <u>50</u>	median <u>100</u>	maximum <u>2500</u>
Gas in Gas Accumulations (bcfg):	minimum <u>300</u>	median <u>600</u>	maximum <u>15000</u>

RATIOS FOR UNDISCOVERED ACCUMULATIONS, TO ASSESS COPRODUCTS

(variations in the properties of undiscovered accumulations)

<u>Oil Accumulations:</u>	minimum	median	maximum
Gas/oil ratio (cfg/bo):	<u>0</u>	<u>1600</u>	<u>20000</u>
NGL/gas ratio (bnlq/mmcfg):	<u>0</u>	<u>60</u>	<u>600</u>
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (bliq/mmcfg):	<u>0</u>	<u>90</u>	<u>350</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>400</u>	<u>500</u>	<u>600</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>500</u>		<u>2750</u>		<u>5000</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>400</u>	<u>500</u>	<u>600</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.)

Thetis Basin, 52000201

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

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

Thetis Basin, 52000201

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

100 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:

_____ area % of the AU

Oil in Oil Accumulations: _____ volume % of the AU

Gas in Gas Accumulations: _____ 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