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

## **IDENTIFICATION INFORMATION**

Assessment Geologist:	D.L. Gaution				Date:	3-Aug-07		
Region:	North America				Number:	5		
Province:	East Greenland Rift Basins				Number:	5200		
Otal Petroleum System: Upper Jurassic Marine Shales					Number:	520001		
Assessment Unit:	Northeast	Greenland	Volcanic Pro	ovince	Number:	52000103		
Scenario:	-				Number:			
Based on Data as of:								
Notes from Assessor:								
CHARACTERISTICS OF ASSESSMENT UNIT								
Area of assessment unit:			-	70,658 square ki	lometers			
Minimum assessed accumula		-	50 mmboe (	grown)				
No. of discovered accumulation	ons exceedii	ng minimur	n size:	Oil: 0	_ Gas	:0		
<b>Uncertainty Class:</b>	Check One	Э	Number					
Producing fields		_						
Discoveries		_						
Wells		-						
Seismic No seismic	X	-						
NO Seisiffic		-						
Median size (grown) of discor	vered oil acc	umulations	(mmbo):					
		2nd 3rd	3rd 3rd	d				
Median size (grown) of discor	vered gas ac							
		1st 3rd		2nd 3rd	3rd 3rd	·		
	ANAL	OGS USED	IN ESTIMA	ATING INPUT				
<u>Purpose</u>		Analog or	Analog Set					
1 Number		Rift/Sag B	acine					
i <u>Number</u>	_	Mili/Say D	asiiis					
2 Sizes Rift/Sag Basins, Nort			asins, North	Sea assessment un	its			
3 Coproducts Halten Terrace-Trondela				elag Platform (40170	101)			
				,	·			
4 Ancillary Halten Terrace-Trondelag Platform (40170101)								
4 Ancillary Halten Te			race-110nde	ziay Fialioiiii (40170	101)			

Assessment Unit (name, no.) Northeast Greenland Volcanic Pro			olcanic Prov	rince, 52000103			
Scenario (name, no.)							
Scenario Probability:				Proba	ability of occu	urrence (0-1.0)	
Assessment-Unit Probabilities:	(Adequacy	for at least	one undisco	vered fiel	d of minimu	m size)	
Attribute 1. CHARGE: Adequate petroleum charge. 2. ROCKS: Adequate reservoirs, traps, 3. TIMING OF GEOLOGIC EVENTS: F	and seals:	ng:		<u>Proba</u>	ability of occu - - -	0.8 0.8 0.8 0.4	
Assessment-Unit GEOLOGIC Probab	ility (Product	t of 1, 2, and	I 3):		-	0.256	
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: m	ninimum (>0)	1	median_	20	maximum	50	
Oil/Gas Mix: m	# of oil acc	umulations . umulations .	mode/ # of total ac / # of gas ac s / # of oil ac	cumulati cumulatio	ons ons	0.75	
Oil Accumulations: m Gas Accumulations: m	ninimum (>0) ninimum (>0)	<u>1</u> 1	median median	10 10	maximum maximum	40 40	
Sizes of Undiscovered Accumulations (variation	s: What are					s?:	
Oil in Oil Accumulations (mmbo): Gas in Gas Accumulations (bcfg):	minimum minimum	50 300	median median	110 660	maximum maximum	3000 18000	
RATIOS FOR UNDISCON (variations in			•			<b>3</b>	
Oil Accumulations: Gas/oil ratio (cfg/bo): NGL/gas ratio (bngl/mmcfg):		minimum 0 0	_	median 1600 60	. <u>.</u>	maximum 20000 600	
Gas Accumulations: Liquids/gas ratio (bliq/mmcfg):		minimum 0		median 90		maximum 350	

### SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:	minimum		median		maximum
API gravity (degrees):	25		44		55
Viscosity (centipoise)	0.5		0.7		2.3
Sulfur content of oil (%):	0.05		0.09		0.3
Depth (m) of water (if applicable):	200		350		500
Drilling Depth (m):	minimum 500	F75	median 2500	F25	maximum 4500
Gas Accumulations: Inert gas content (%): Carbon dioxide content (%): Hydrogen sulfide content (%):	minimum 0.1 0.1 0.5		median 0.6 3		maximum 3 6 10
Depth (m) of water (if applicable):	200		350		500
Drilling Depth (m):	minimum 500	F75	median 2750	F25	maximum 5000

### ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ARCTIC AREA

1	North of Arctic Circle			
		100 area % of the AU		
		Oil in Oil Accumulations: Gas in Gas Accumulations:	100 100	volume % of the AU volume % of the AU
2	South of Arctic Circle			
		area % of the AU		
		Oil in Oil 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: Gas in Gas Accumulations:	100 100	volume % of the AU volume % of the AU
2	Onshore portion of:	Greenland		
		2.33 area % of the AU		
		Oil in Oil Accumulations: Gas in Gas Accumulations:	0	volume % of the AU volume % of the AU
3	Onshore portion of:			
		area % of the AU		
		Oil in Oil Accumulations: Gas in Gas Accumulations:		volume % of the AU volume % of the AU
4	Onshore portion of:			
		area % of the AU		
		Oil in Oil Accumulations: Gas in Gas Accumulations:		volume % of the AU volume % of the AU
5	Onshore portion of:			
		area % of the AU		
		Oil in Oil Accumulations: Gas in Gas Accumulations:		volume % of the AU volume % of the AU
6	Onshore portion of:			
		area % of the AU		
		Oil in Oil Accumulations: Gas in Gas Accumulations:		volume % of the AU volume % of the AU