

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

IDENTIFICATION INFORMATION

Assessment Geologist:	C.J. Wandrey	Date:	13-Mar-08
Region:	Former Soviet Union	Number:	1
Province:	Tunguska Basin	Number:	1203
Total Petroleum System:	Riphean-Silurian Composite	Number:	120301
Assessment Unit:	Tunguska Basin	Number:	12030101
Scenario:		Number:	
Based on Data as of:			
Notes from Assessor:	Not quantitatively assessed		

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 903,776 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> X </u>	<u> </u>
Wells	<u> </u>	<u> </u>
Seismic	<u> </u>	<u> </u>
No seismic	<u> </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	
2	
3	
4	

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

Tunguska Basin, 12030101

Probability of occurrence (0-1.0)

Scenario Probability:

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

Attribute	Probability of occurrence (0-1.0)
1. CHARGE: Adequate petroleum charge:	0.8
2. ROCKS: Adequate reservoirs, traps, and seals:	0.7
3. TIMING OF GEOLOGIC EVENTS: Favorable timing:	0.1
Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3):	0.056

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) _____ median _____ maximum _____

Oil/Gas Mix: minimum (>0) _____ mode _____ maximum _____
of oil accumulations / # of total accumulations
of oil accumulations / # of gas accumulations
of gas accumulations / # of oil accumulations

Oil Accumulations: minimum (>0) _____ median _____ maximum _____
Gas Accumulations: minimum (>0) _____ median _____ maximum _____

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

Oil in Oil Accumulations (mmbo): minimum _____ median _____ maximum _____
Gas in Gas Accumulations (bcfg): minimum _____ median _____ maximum _____

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):	_____	_____	_____
NGL/gas ratio (bnlq/mmcf):	_____	_____	_____
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (bliq/mmcf):	_____	_____	_____

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Tunguska Basin, 12030101

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS
(variations in the properties of undiscovered accumulations)

Oil Accumulations:

	minimum		median		maximum
API gravity (degrees):	_____		_____		_____
Viscosity (centipoise)	_____		_____		_____
Sulfur content of oil (%):	_____		_____		_____
Depth (m) of water (if applicable):	_____		_____		_____

Drilling Depth (m):	minimum	F75	median	F25	maximum
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Gas Accumulations:

	minimum		median		maximum
Inert gas content (%):	_____		_____		_____
Carbon dioxide content (%):	_____		_____		_____
Hydrogen sulfide content (%):	_____		_____		_____
Depth (m) of water (if applicable):	_____		_____		_____

Drilling Depth (m):	minimum	F75	median	F25	maximum
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Assessment Unit (name, no.)
Scenario (name, no.)

Tunguska Basin, 12030101

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ARCTIC AREA

1 North of Arctic Circle

_____ area % of the AU

Oil in Oil Accumulations: _____ volume % of the AU

Gas in Gas Accumulations: _____ 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.)

Tunguska Basin, 12030101

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

_____ area % of the AU

Oil in Oil Accumulations: _____ volume % of the AU

Gas in Gas Accumulations: _____ 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