

**USGS WORLD PETROLEUM RESOURCES ASSESSMENT  
INPUT FORM FOR CONVENTIONAL ASSESSMENT UNITS (Version 6.0, September 2, 2008)**

**IDENTIFICATION INFORMATION**

Assessment Geologist:	<u>C.J. Schenk</u>	Date:	<u>9/24/2009</u>
Region:	<u>Asia Pacific</u>	Number:	<u>3</u>
Province:	<u>East Java Basin</u>	Number:	<u>3809</u>
Total Petroleum System:	<u>Eocene-Miocene Composite</u>	Number:	<u>380901</u>
Assessment Unit:	<u>East Java Siliciclastics</u>	Number:	<u>38090102</u>
Scenario:		Number:	
Based on Data as of:	<u>IHS Energy (2008), NRG field reserve growth factor 30 yrs.</u>		
Notes from Assessor:	<u></u>		

**CHARACTERISTICS OF ASSESSMENT UNIT**

Area of assessment unit: 282,783 square kilometers

Minimum assessed accumulation size: 5 MMBOE (grown)

No. of discovered accumulations exceeding minimum size: Oil: 10 Gas: 6

<b>Uncertainty Class:</b>	Check One	Number
Producing fields	<u>X</u>	<u>16</u>
Discoveries	<u></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>10.9</u>	2nd 3rd	<u>2.6</u>	3rd 3rd	<u>3.97</u>
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Median size (grown) of discovered gas accumulations (BCFG):

1st 3rd	<u>12.1</u>	2nd 3rd	<u>91.6</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></u>	<u></u>
	<u></u>
	<u></u>
2 <u></u>	<u></u>
	<u></u>
	<u></u>
3 <u></u>	<u></u>
	<u></u>
	<u></u>
4 <u></u>	<u></u>
	<u></u>
	<u></u>

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

East Java Siliciclastics, 38090102

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

### 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	_____	mode	_____	maximum	_____
	_____ number of oil accumulations / number of total accumulations					
	_____ number of oil accumulations / number of gas accumulations					
	_____ number of gas accumulations / number of oil accumulations					
Oil Accumulations:	minimum	1	median	50	maximum	150
Gas Accumulations:	minimum	1	median	100	maximum	300

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	5	median	12	maximum	1000
Gas in Gas Accumulations (BCFG):	minimum	30	median	72	maximum	6000

### 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):	_____	400	_____	2000	_____	5100
NGL/gas ratio (BNGL/MMCFG):	_____	5	_____	50	_____	110
<u>Gas Accumulations:</u>	minimum	_____	median	_____	maximum	_____
Liquids/gas ratio (BLIQ/MMCFG):	_____	2	_____	70	_____	240

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

<u>Oil Accumulations:</u>	minimum	median	maximum
API gravity (degrees):	18	35	50
Viscosity (centipoise)			
Sulfur content of oil (%):	0.01	0.1	0.2
Depth (m) of water (if applicable):	0	50	1000

	minimum	F75	median	F25	maximum
Drilling Depth (m):	1000		2000		3000

<u>Gas Accumulations:</u>	minimum	median	maximum
Inert gas content (%):	0.1	2	4
Carbon dioxide content (%):	0.1	30	60
Hydrogen sulfide content (%):			
Depth (m) of water (if applicable):	0	50	1000

	minimum	F75	median	F25	maximum
Drilling Depth (m):	1000		2000		3500

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES**

1 Offshore

88.16 area % of the AU

Oil in Oil Accumulations: 95.00 volume % of the AU  
Gas in Gas Accumulations: 100 volume % of the AU

2 Onshore portion of:

Indonesia

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11.84 area % of the AU

Oil in Oil Accumulations: 5.00 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

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES**

1 ONSHORE portion of: East Java Basin, 3809  
11.84 area % of the AU  
Oil in Oil Accumulations: 5.00 volume % of the AU  
Gas in Gas Accumulations: 0 volume % of the AU

OFFSHORE portion of: East Java Basin, 3809  
88.16 area % of the AU  
Oil in Oil Accumulations: 95.00 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

OFFSHORE 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

OFFSHORE portion of: \_\_\_\_\_  
\_\_\_\_\_ 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 PROVINCES**

4 ONSHORE portion of: \_\_\_\_\_  
\_\_\_\_\_ area % of the AU  
Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU  
Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU

OFFSHORE 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

OFFSHORE 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

OFFSHORE portion of: \_\_\_\_\_  
\_\_\_\_\_ area % of the AU  
Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU  
Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU