

**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>12-Jan-12</u>
Region:	<u>Middle East and North Africa</u>	Number:	<u>2</u>
Province:	<u>Anah Graben</u>	Number:	<u>2089</u>
Total Petroleum System:	<u>Paleozoic-Mesozoic Composite</u>	Number:	<u>208901</u>
Assessment Unit:	<u>Euphrates Graben Reservoirs</u>	Number:	<u>20890101</u>
Scenario:		Number:	
Based on Data as of:	<u>IHS (2009)</u>		
Notes from Assessor:	<u>NRG field reserve growth factor, 30 years</u>		

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 26,021 square kilometers

Minimum assessed accumulation size: 1 MMBOE (grown)

No. of discovered accumulations exceeding minimum size: Oil: 57 Gas: 4

Uncertainty Class:	Check One	Number
Producing fields	<u>X</u>	<u> </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>55.6</u>	2nd 3rd	<u>4.5</u>	3rd 3rd	<u>5.9</u>
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Median size (grown) of discovered gas accumulations (BCFG):

1st 3rd	<u>659</u>	2nd 3rd	<u>7.3</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>Numbers</u>	<u>Extensional</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.)

Euphrates Graben Reservoirs, 20890101

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>1.0</u>
2. ROCKS: Adequate reservoirs, traps, and seals:	<u>1.0</u>
3. TIMING OF GEOLOGIC EVENTS: Favorable timing:	<u>1.0</u>
Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3):	<u>1.0</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> </u>	median <u> </u>	maximum <u> </u>
Oil/Gas Mix:	minimum <u> </u>	mode <u> </u>	maximum <u> </u>
	<u> </u> number of oil accumulations / number of total accumulations		
	<u> </u> number of oil accumulations / number of gas accumulations		
	<u> </u> number of gas accumulations / number of oil accumulations		
Oil Accumulations:	minimum <u> 1 </u>	median <u> 40 </u>	maximum <u> 80 </u>
Gas Accumulations:	minimum <u> 1 </u>	median <u> 10 </u>	maximum <u> 20 </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 (MMBO):	minimum <u> 1 </u>	median <u> 2.5 </u>	maximum <u> 60 </u>
Gas in Gas Accumulations (BCFG):	minimum <u> 6 </u>	median <u> 15 </u>	maximum <u> 200 </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> 50 </u>	<u> 800 </u>	<u> 2000 </u>
NGL/gas ratio (BNGL/MMCFG):	<u> 5 </u>	<u> 100 </u>	<u> 200 </u>
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (BLIQ/MMCFG):	<u> 1 </u>	<u> 45 </u>	<u> 90 </u>

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:

	minimum	median	maximum
API gravity (degrees):	20	36	45
Viscosity (centipoise)	0.2	1.3	5
Sulfur content of oil (%):	0	0.1	2.5
Depth (m) of water (if applicable):			

	minimum	F75	median	F25	maximum
Drilling Depth (m):	2000		3000		4000

Gas Accumulations:

	minimum	median	maximum
Inert gas content (%):	0	0.1	1
Carbon dioxide content (%):	0	0.1	1.5
Hydrogen sulfide content (%):	0	0	0
Depth (m) of water (if applicable):			

	minimum	F75	median	F25	maximum
Drilling Depth (m):	2000		3000		4500

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

0 area % of the AU

Oil in Oil Accumulations: 0 volume % of the AU

Gas in Gas Accumulations: 0 volume % of the AU

2 Onshore portion of:

Iraq

8.43 area % of the AU

Oil in Oil Accumulations: 8.00 volume % of the AU

Gas in Gas Accumulations: 8.00 volume % of the AU

3 Onshore portion of:

Syria

91.57 area % of the AU

Oil in Oil Accumulations: 92.00 volume % of the AU

Gas in Gas Accumulations: 92.00 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: Widyan Basin-Interior Platform , 2023

0.01 area % of the AU

Oil in Oil Accumulations: 0 volume % of the AU

Gas in Gas Accumulations: 0 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

2 ONSHORE portion of: Wadi-Sirhan Basin, 2029

3.32 area % of the AU

Oil in Oil Accumulations: 3.00 volume % of the AU

Gas in Gas Accumulations: 3.00 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: Khleisha Uplift, 2074

28.92 area % of the AU

Oil in Oil Accumulations: 30.00 volume % of the AU

Gas in Gas Accumulations: 30.00 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: Euphrates/Mardin, 2075

32.49 area % of the AU

Oil in Oil Accumulations: 32.00 volume % of the AU

Gas in Gas Accumulations: 32.00 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: Palmyra Zone, 2077

4.66 area % of the AU

Oil in Oil Accumulations: 5.00 volume % of the AU

Gas in Gas Accumulations: 5.00 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: Anah Graben, 2089

30.60 area % of the AU

Oil in Oil Accumulations: 30.00 volume % of the AU

Gas in Gas Accumulations: 30.00 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