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

IDENTIFICATION INFORMATION

Assessment Geologist:	C.J. Schenk	Date:	12-Jan-12
Region:	Middle East and North Africa	Number:	2
Province:	Palmyra Zone	Number:	2077
Total Petroleum System:	Mesozoic Composite	Number:	207701
Assessment Unit:	Palmyra Fold Belt Reservoirs	Number:	20770101
Scenario:		Number:	
Based on Data as of:	IHS (2009)		
Notes from Assessor:	NRG field reserve growth factor, 30 years		

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 42,668 square kilometers

Minimum assessed accumulation size: 1 MMBOE (grown)

No. of discovered accumulations exceeding minimum size: Oil: 29 Gas: 31

Uncertainty Class:	Check One	Number
Producing fields	X	
Discoveries		
Wells		
Seismic		
No seismic		

Median size (grown) of discovered oil accumulations (MMBO):
1st 3rd 2.9 2nd 3rd 3.5 3rd 3rd 11.4

Median size (grown) of discovered gas accumulations (BCFG):
1st 3rd 364 2nd 3rd 150 3rd 3rd 153

ANALOGS USED IN ESTIMATING INPUT

	Purpose	Analog or Analog Set
1	Numbers	Compressional
2		
3		
4		

Assessment Unit (name, no.) Palmyra Fold Belt Reservoirs, 20770101
Scenario (name, no.)

Scenario Probability: Probability of occurrence (0-1.0) _____

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:	1.0
2. **ROCKS:** Adequate reservoirs, traps, and seals:	1.0
3. **TIMING OF GEOLOGIC EVENTS:** Favorable timing:	1.0
Assessment-Unit GEOLOGIC Probability (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	75	maximum	150
Gas Accumulations:	minimum	1	median	75	maximum	150

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	1	median	3	maximum	60
Gas in Gas Accumulations (BCFG):	minimum	6	median	18	maximum	1000

RATIOS FOR UNDISCOVERED ACCUMULATIONS, TO ASSESS COPRODUCTS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:	minimum	median	maximum
Gas/oil ratio (CFG/BO):	5	50	250
NGL/gas ratio (BNGL/MMCFG):	20	72	125

Gas Accumulations:	minimum	median	maximum
Liquids/gas ratio (BLIQ/MMCFG):	1	50	130

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

Oil Accumulations:	minimum		median		maximum
API gravity (degrees):	15		23		45
Viscosity (centipoise)	3		75		300
Sulfur content of oil (%):	0		0		0
Depth (m) of water (if applicable):					
	minimum	F75	median	F25	maximum
Drilling Depth (m):	1300		2500		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):	1300		3000		4500

Assessment Unit (name, no.) Palmyra Fold Belt Reservoirs, 20770101
Scenario (name, no.)

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: Lebanon

6.76 area % of the AU

Oil in Oil Accumulations: 7.00 volume % of the AU
Gas in Gas Accumulations: 7.00 volume % of the AU

3 Onshore portion of: Syria

93.24 area % of the AU

Oil in Oil Accumulations: 93.00 volume % of the AU
Gas in Gas Accumulations: 93.00 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

Assessment Unit (name, no.) Palmyra Fold Belt Reservoirs, 20770101
Scenario (name, no.)

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES

1 ONSHORE portion of: North Harrah Volcanics, 2027

0.57 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

3.07 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: Haleb, 2076

3.21 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

Assessment Unit (name, no.) Palmyra Fold Belt Reservoirs, 20770101
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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES

4 ONSHORE portion of: Palmyra Zone, 2077

83.85 area % of the AU

Oil in Oil Accumulations: 85.00 volume % of the AU
Gas in Gas Accumulations: 85.00 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: Beirut, 2078

6.01 area % of the AU

Oil in Oil Accumulations: 6.00 volume % of the AU
Gas in Gas Accumulations: 6.00 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: Euphrates/Mardin, 2075

3.29 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