



General Information	
Tender date	04/10/2017
Oil province	Southeast Basin
Geological province	Pilar Reforma-Akal
Location	Onshore Area
Fields	Ogarrio
Play ages	Neogene
	Paleogene
Lithology	Sandstones
State	Tabasco
Municipality	Huimanguillo
Type of contract	License

Name	Unit	Ogarrio
Acreage	Km ²	156
Fluid type		Oil / Wet Gas
API Density	°	38
API Classification		Light
Average depth	m	2,600
Original volume of oil ^{/1}	Mmbo	1,006
Original volume of gas ^{/1}	MMMcf	1,164
Reserves 1P ^{/1}	MMboe	42
Reserves 2P ^{/1}	MMboe	54
Reserves 3P ^{/1}	MMboe	54
Wells in operation	Number	38
Minimum work program requested	Work units	5,620

Variable	Unit	First place	Second place
Bidder		DEA Deutsche Erdoel AG	California Resources and Petrobal
Country		Germany	USA and Mexico
Additional royalty	%	13.00	13.00
Economic offer	USD	213,870,000.00	52,000,019.00

^{/1} Original volume and 1P, 2P and 3P Reserves, correspond to reserve information published on the website of National Center of Hydrocarbons Information, through Jan 1, 2016.

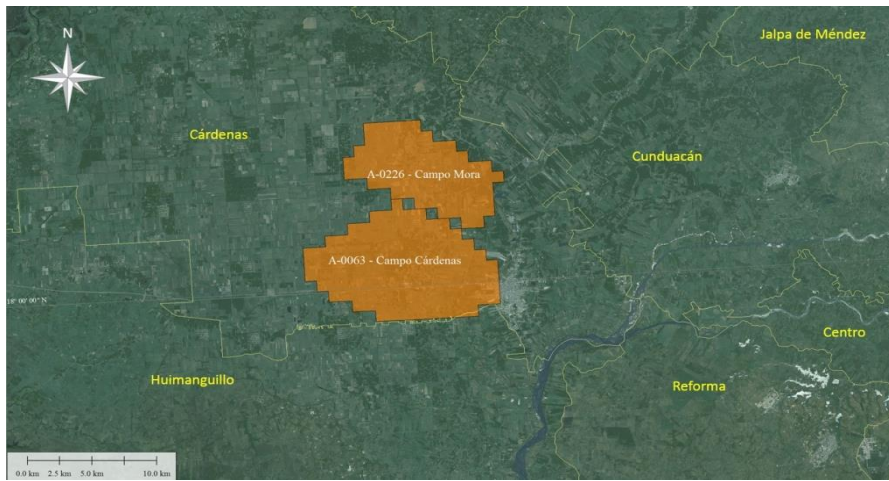
Source: National Hydrocarbons Commission.

Note: The data contained on this tab is only a reference or approximate assessment of the results that can be obtained, therefore it is the responsibility of who use the data to confirm and validate it. The CNH does not issue any statement or warranty with respect to the data, nor does it assume any responsibility for the accuracy of the information.

MMboe = Millions of barrels of oil crude equivalent

MMbo = Millions of barrels of oil

MMMcf = Billions of cubic feet



General Information	
Bidding date	04/10/2017
Oil province	Southeast Basin
Geological province	Pilar Reforma-Akal
Location	Onshore Area
Fields	Cárdenas Mora
Play ages	Kimmeridgian Lower Cretaceous
Lithology	Limestone Dolomite
State	Tabasco
Municipality	Cárdenas
Type of contract	License

Name	Unit	Cárdenas	Mora
Acreage	Km ²	168	
Fluid type		Aceite	
API density	°	40 / 38	
API classification		Extra Light / Light	
Average depth	m	5500 / 6200	
Original volume of oil ^{/1}	Mmbo	1,319	395
Original volume of gas ^{/1}	MMMcF	2,467	601
1P Reserves ^{/1}	MMboe	52	40
2P Reserves ^{/1}	MMboe	52	41
3P Reserves ^{/1}	Mmboe	52	41
Wells in operation	Number	15	
Minimum work program requested	Work units	7,844	

	Unit	First place	Second place
Bidder		Cheiron Holdings Limited	Gran Tierra and Sierra Blanca
Country		Egypt	Canada and Mexico
Additional royalty	%	13.00	5.09
Economic offer	USD	41,500,000.00	0.00

^{1/} Original volume and 1P, 2P and 3P Reserves, correspond to reserve information published on the website of National Center of Hydrocarbons Information, through Jan 1, 2016.

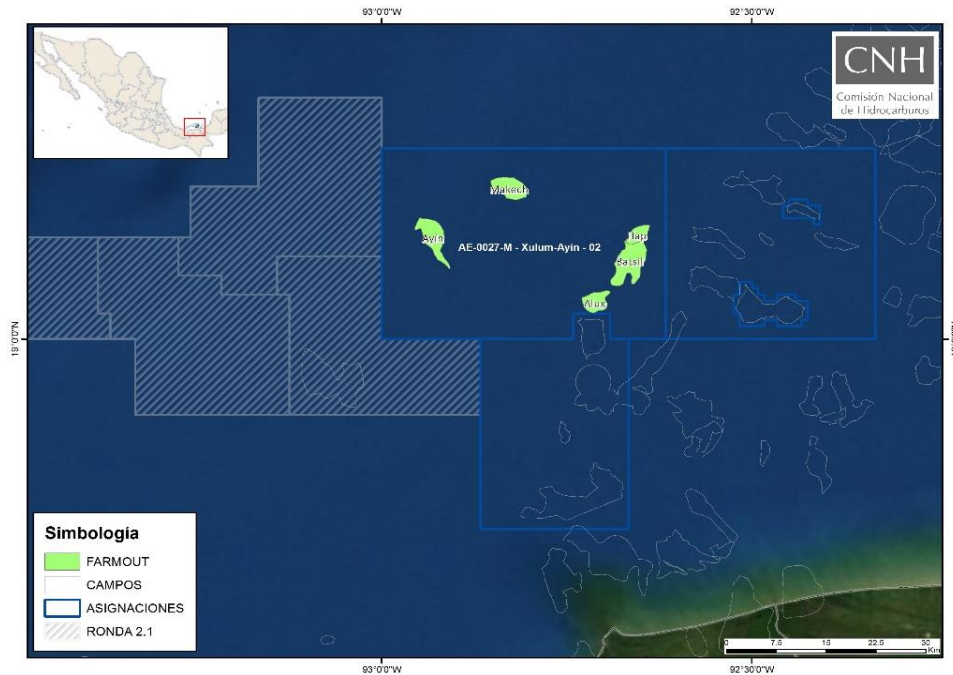
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MMMcF = Billions of cubic feet



General Information	
Tender date	04/10/2017
Oil province	Southeast Basin
Geological province	Salina del Itsmo
Location	Shallow waters
Entitlements	AE-0027-M-Xulum-Ayín-02
	A-0033-Ayín Field
Play ages	Kimmeridgian
	Fractured Cretaceous Pliocene
Lithology	Sands with clayey intervals
	Fractured Mudstone-Wackestone Packstone-Grainstone
Type of contract	Production Sharing

Name	Unit	Ayín-Batsil
Seismic 3D coverage	%	100
Water depth	Meters	50-350
Acreage	Km ²	1,091
Main hydrocarbon ^{1/}		Heavy oil
Fields		Ayín, Batsil, Makech, Hap y Alux
Original volume ^{2/}	MMboe	1,387
1P Reserves ^{2/}	MMboe	49
2P Reserves ^{2/}	MMboe	153
3P Reserves ^{2/}	MMboe	359
Exploratory wells	Number	10
Development wells	Number	2
Exploratory opportunities	Number	3
Seismic 3D cubes available		Bolol, Tabal, Choch-Mulix OBC, Chuktah, Le Acach
Average prospective resources	MMboe	224
Total prospective resources at risk	Mmboe	80
Minimum work program requested	Work units	152,090

	Unit	Results
Bidder		No Winner
Country		-
Additional royalty	%	-
Economic offer	USD	-

^{1/} Main hydrocarbon corresponds to the hydrocarbon type anticipated in the exploratory prospects of the area.

^{2/} Original volume and 1P, 2P and 3P Reserves, correspond to information of reserves published on the site of National Center of Hydrocarbons Information up to 1st. jan 2016.

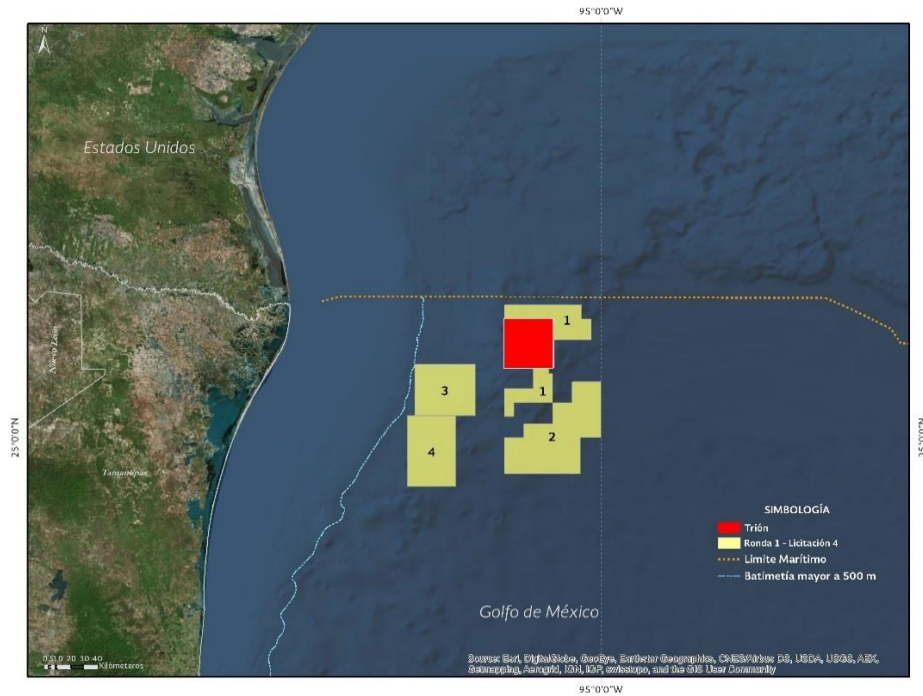
Source: National Hydrocarbons Commission.

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Farmout - Trion

Deep waters



General Information	
Tender date	05/12/2016
Number of blocks	1
Geological province	Perdido Fold Belt
Oil province	Deep Gulf
Location	Deep water
Play ages	Eocene Cretaceous
Lithology	Fine and medium sandstones Carbonates
Type of contract	License

Name	Units	Trion
Seismic 3D Coverage	%	100
Main Hydrocarbon ^{1/}		Light Oil
Average water depth	Meters	2,090-2,570
Acreage	Km ²	1,285
Technically recoverable volume 3P ^{2/}	Mmboe	485
Prospective resources P90	MMboe	181
Average prospective resources	MMboe	537
Prospective resources P10	MMboe	1,045
Total prospective resources with risk	MMboe	114

Variable	Unit	First place	Second place
Number of contract		CNH-A1-TRION/2016	
Contract signature date		03/03/2017	
Bidder		BHP Billiton Petróleo Operaciones de México	BP Exploration Mexico
Country		Australia	United Kingdom
Additional royalty	%	4	4
Economic offer	USD	624,000,000.00	605,999,999.99

^{1/} Main hydrocarbon corresponds to the hydrocarbon type anticipated in the exploratory prospects of the area.

^{2/} Estimated technically recoverable volume from Trion, through June 1st, 2016.

Source: National Hydrocarbons Commission, with information regarding exploratory opportunities from PEMEX's database 4-2014 version.

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