

## Reconnaissance and surface exploration

ARES second quarter 2024

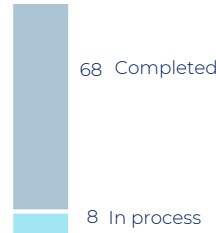
Company	Project	Technology
Pemex	ARES-PMX-MX-15-7NI/2237-24	3D Seismic
Pemex	ARES-PMX-MX-15-7NI/2238-24	3D Seismic
Pemex	ARES-PMX-MX-15-7NI/2239-24	3D Seismic
Pemex	ARES-PMX-MX-15-7NI/2356-24	3D Seismic
Pemex	ARES-PMX-MX-15-7NI/2358-24	3D Seismic
Pemex	ARES-PMX-MX-15-7NI/2518-24	3D Seismic

### ARES register

105  
Companies registered in  
ARES

Top 5. Companies with most projects			
Top	Company	Projects	
1	Pemex	21	
2	Dowell-Slb	12	
3	Seitel	8	
4	TGS	8	
5	CGG México	7	

## 76 current authorized projects



37%  
With data acquisition

57%  
With no data acquisition

7%  
Well information with no  
acquisition

## Approved Exploration Plans, Appraisal and Pilot Programs Second quarter 2024

Operator	Block	Plan / Program	Well	Approval date	Investment MMUSD	Wells
Pemex Exploración y Producción	AE-0145 - Comalcalco	Modification to the Exploration Plan		16-Apr-24	43.53	1
	AE-0146 - Comalcalco	Appraisal Program	Bakte-1EXP	11-Apr-24	41.50	1
	AE-0146 - Comalcalco, AE-0192-M - Techiaktli (Techiaktli-1EXP)	Appraisal Program	Techiaktli-1EXP	2-May-24	43.96	1
	AE-0148 - Uchukil	Modification to the Exploration Plan		6-Jun-24	46.24	1
	AE-0149 - Uchukil	Modification to the Exploration Plan		25-Jun-24	95.54	2
	AE-0150 - Uchukil	Modification to the Exploration Plan		2-Apr-24	87.24	1
	AE-0152 - Uchukil	Modification to the Exploration Plan		23-Apr-24	107.60	1
	AE-0153 - Uchukil	Appraisal Program	Tentok-1EXP	30-May-24	72.20	1
	AE-0155 - Chalabil	Modification to the Exploration Plan		28-May-24	64.61	1
	AE-0156 - Chalabil	Modification to the Exploration Plan		30-Apr-24	63.18	1
	AE-0158 - Chalabil	Modification to the Exploration Plan		14-May-24	68.88	1
	AE-0160 - Chalabil	Appraisal Program	Etkal-201EXP	6-Jun-24	76.84	1
	AE-0162 - Chalabil	Modification to the Exploration Plan		7-May-24	72.19	1
	AE-0163 - Campeche Oriente	Modification to the Exploration Plan		9-May-24	79.26	1
	AE-0164 - Campeche Oriente	Modification to the Exploration Plan		16-Apr-24	71.01	1
	AE-0165 - Campeche Oriente	Modification to the Exploration Plan		7-May-24	94.08	1
	AE-0166 - Campeche Oriente	Modification to the Exploration Plan		9-May-24	165.41	2
	AE-0167 - Campeche Oriente	Modification to the Exploration Plan		9-May-24	48.79	1
	AE-0168 - Campeche Oriente	Modification to the Exploration Plan		9-May-24	64.91	1
	AE-0171 - Alosa	Modification to the Exploration Plan		7-May-24	60.18	1
	AE-0176 - Xanati	Modification to the Exploration Plan		7-May-24	11.46	1
	AE-0177 - Yuban	Modification to the Exploration Plan		9-May-24	13.71	1
	AE-0187 - Campo Lacamango	Modification to the Exploration Plan		28-May-24	26.02	1
Bloque VC 01, S.A.P.I. de C.V.	CNH-R02-L03-VC-01/2018	Appraisal Program	Tres Higueras, Plan de Oro, Lagarto, Mata de agua	23-Apr-24	8.75	4
Jaguar Exploración y Producción 2,3, S.A.P.I. de C.V.	CNH-R02-L03-VC-03/2017	Modification to the Appraisal Program	Acagual, Mecayucán, Mata Violín-1	7-May-24	1.57	0
Wintershall Dea México, S. de R.L. de C.V.	CNH-R03-L01-AS-CS-14/2018	Modification to the Exploration Plan		13-Jun-24	5.71	0
					<b>1,534.37</b>	<b>29</b>

**Note:**  
The information corresponds to the most conservative scenarios.  
MMUSD: Million Us Dollars

## Authorized exploration wells Second quarter 2024

Operator	Block	Well	Environment	Authorization date
Pemex Exploración y Producción	AE-0148 - Uchukil	Tlatitok-101EXP	Shallow water	6-Jun-24
		Nanik-1EXP	Shallow water	27-Jun-24
	AE-0146 - Comalcalco	Bakte-IDEL	Onshore	16-Apr-24
	AE-0145 - Comalcalco	Sitio Grande-	Onshore	18-Apr-24
	AE-0131 - Llave	Maachi-1EXP	Onshore	18-Apr-24
	AE-0166 - Campeche Oriente	Mabalnak-1EXP	Shallow water	25-Apr-24
	AE-0128 - Llave	Kawani-1EXP	Onshore	30-Apr-24
	AE-0192 - Techiaktli	Techiaktli-IDEL	Onshore	7-May-24
	AE-0153 - Uchukil	Tentok-IDEL	Shallow water	30-May-24
	AE-0159 - Chalabil	Kathal-1EXP	Shallow water	18-Jun-24
Iberoamericana de Hidrocarburos CQ, Exploración & Producción de México, S.A. de C.V.	CNH-R02-L03-BG-01/2017	Llano Blanco- 1001EXP	Onshore	09-abr-24
Eni México, S. de R.L. de C.V.	CNH-R02-L02-A1.BG/2017	Tlacuache-1EXP	Onshore	13-jun-24
	CNH-R02-L01-A9.CS/2017	Yopaat-1EXP	Deep water	23-Apr-24

**Note:**  
The modifications to drilling authorizations are not considered.

Check the authorizations and approvals at [gob.mx/cnh/articulos/registro-publico](http://gob.mx/cnh/articulos/registro-publico)

## Wells completed in 2024

### Result of completed wells in 2024

	Entitlements Exploratory	Contracts Exploratory
Oil producer	1	
Oil discoverer	3	
Gas and condensate discoverer well	1	
Dry gas discoverer		1
Non-commercial producer	4	1
Water invaded	6	
Dry	3	2
	<b>18</b>	<b>4</b>

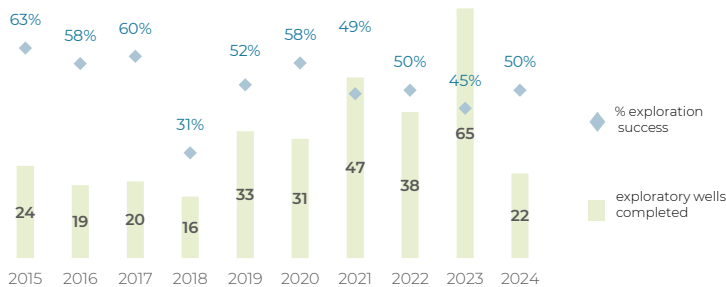
**Notes:**

With the information available as of September 09, 2024.

In accordance with the Well Drilling Guidelines (Lineamientos de Perforación de Pozos), there is a deadline for Oil Operators to report to the Commission the final results of the wells; thus, information is subject to updating and changes.

The exploration success rate does not include appraisal wells and for the calculation it only considers exploration wells with the following results: producer, discoverer, successful and non-commercial producer.

### Exploration success rate<sup>1</sup>



## Follow up of exploration wells completed in 2024

Operator	Block	Well	Result	Timeline 2024
Pemex Exploración y Producción	AE-0142 - Comalcalco	Shuku-1EXP	Non-commercial producer	Onshore (Apr-24 to Jun-24)
		Escuintle-401EXP	Non-commercial producer	Onshore (Apr-24 to Jun-24)
	AE-0175 - Chuyan	Skiti-1EXP	Oil discoverer	Onshore (Mar-24 to Apr-24)
	AE-0140 - Comalcalco	Bushel-1EXP	Dry	Onshore (Mar-24 to Apr-24)
	AE-0188 - Llave 5	Obba-1EXP	Oil producer	Onshore (Jan-24 to Feb-24)
	AE-0153 - Uchukil	Teekit-2001AEXP	Water invaded	Onshore (Jan-24 to Feb-24)
	AE-0124 - Llave	Sikte-1AEXP	Dry	Onshore (Jan-24 to Feb-24)
	AE-0148 - Uchukil	Tepetla-1EXP	Oil discoverer	Onshore (Mar-24 to Apr-24)
	AE-0166 - Campeche Oriente	Akal-401EXP	Non-commercial producer	Onshore (Mar-24 to Apr-24)
	AE-0130 - Llave	Ameyatl-1EXP	Water invaded	Onshore (Mar-24 to Apr-24)
	AE-0129 - Llave	Xadani-1EXP	Water invaded	Onshore (Mar-24 to Apr-24)
	AE-0141 - Comalcalco	Madrefil-201EXP	Water invaded	Onshore (Jan-24 to Feb-24)
	AE-0143 - Comalcalco	Jep-1EXP	Oil discoverer	Shallow water (Mar-24 to Apr-24)
	Jaguar Exploración y Producción 2.3, S.A.P.I. de C.V.	CNH-R02-L03-TM-01/2017	Spinini-1DEL	Non-commercial producer
	CNH-R02-L03-CS-06/2017	Kinkan-1EXP	Dry gas discoverer	Onshore (Jan-24 to Feb-24)
Bloque VC 01, S.A.P.I. de C.V.	CNH-R02-L03-VC-01/2018	Plan de Oro-201EXP	Dry	Shallow water (Jan-24 to Feb-24)

**Notes:**

With the information available as of September 09, 2024.

In accordance with the Well Drilling Guidelines (Lineamientos de Perforación de Pozos), there is a deadline for Oil Operators to report to the Commission the final drilling results and completion of exploratory wells; thus, information is subject to updating and changes.

## Discoveries in 2024

Operator	Block	Discovery well	Location	Age	Estimated preliminary volumes	
					Liquid hydrocarbons (MMb)	Gas (Bcf)
Pemex Exploración y Producción	AE-0142 - Comalcalco	Techiaktli-1EXP	Onshore	Cretaceous	33.00	280.00
		Escuintle-401EXP	Onshore	Cretaceous	1.25	3.64
	AE-0182 - Waya	Lakxtum-1EXP	Onshore	Middle Cretaceous	3.40	2.40
		Yawa-101EXP	Onshore	Middle Cretaceous (Tamabra)	17.00	10.00
	AE-0135 - Cuichapa	Shuku-1EXP	Onshore	Lower Pliocene, Upper Miocene	1.05	0.34
	AE-0192 - Techiaaktli	Womu-1EXP	Onshore	Lower Pliocene	0.01	1.15
	AE-0146 - Comalcalco	Bakte-1EXP	Onshore	Cretaceous	55.00	519.00
	AE-0148 - Uchukil	Tepetla-1EXP	Shallow water	Lower Pliocene	1.82	4.75
	AE-0141 Comalcalco	Madrefil-101EXP	Onshore	Upper Jurassic	21.00	52.00
	AE-0153 - Uchukil	Teekit-1101EXP	Shallow water	Middle Pliocene	0.00	5.00
	AE-0160 - Chalabil	Etkal-201EXP	Shallow water	Upper Cretaceous	22.38	33.62
	AE-0143 - Comalcalco	Jep-1EXP	Onshore	Lower Pliocene	1.10	2.50
	AE-0148 - Uchukil	Sejkan-1EXP	Shallow water	Upper Miocene, Lower Pliocene	19.60	47.50
	AE-0166 - Campeche Oriente	Akal-401EXP	Shallow water	Upper Kimmeridgian Jurassic	8.50	1.90
AE-0175 - Chuyan	Skiti-1EXP	Onshore	Middle Cretaceous (Tamabra)	0.00	0.00	
AE-0154 - Chalabil	Bamoa-1EXP	Shallow water	Middle Pliocene, Lower Pliocene	4.71	1.87	
PC Carigali Mexico Operations, S.A. de C.V.	CNH-R01-L04-A4.CS/2016	Naajal-1EXP	Deep water	Upper Miocene	74.00	20.00

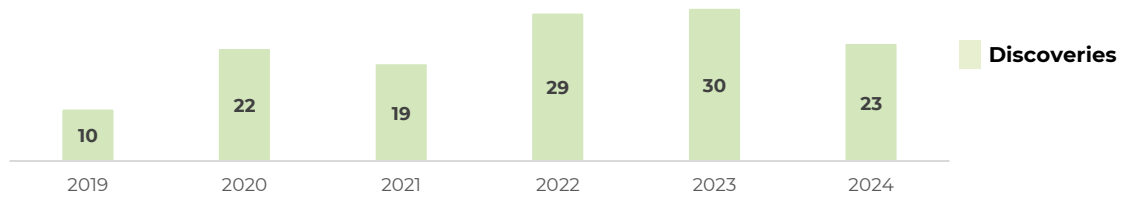
**Not**

Discoveries with ratification or knowledge by the CNH.

MMb: Million barrels.

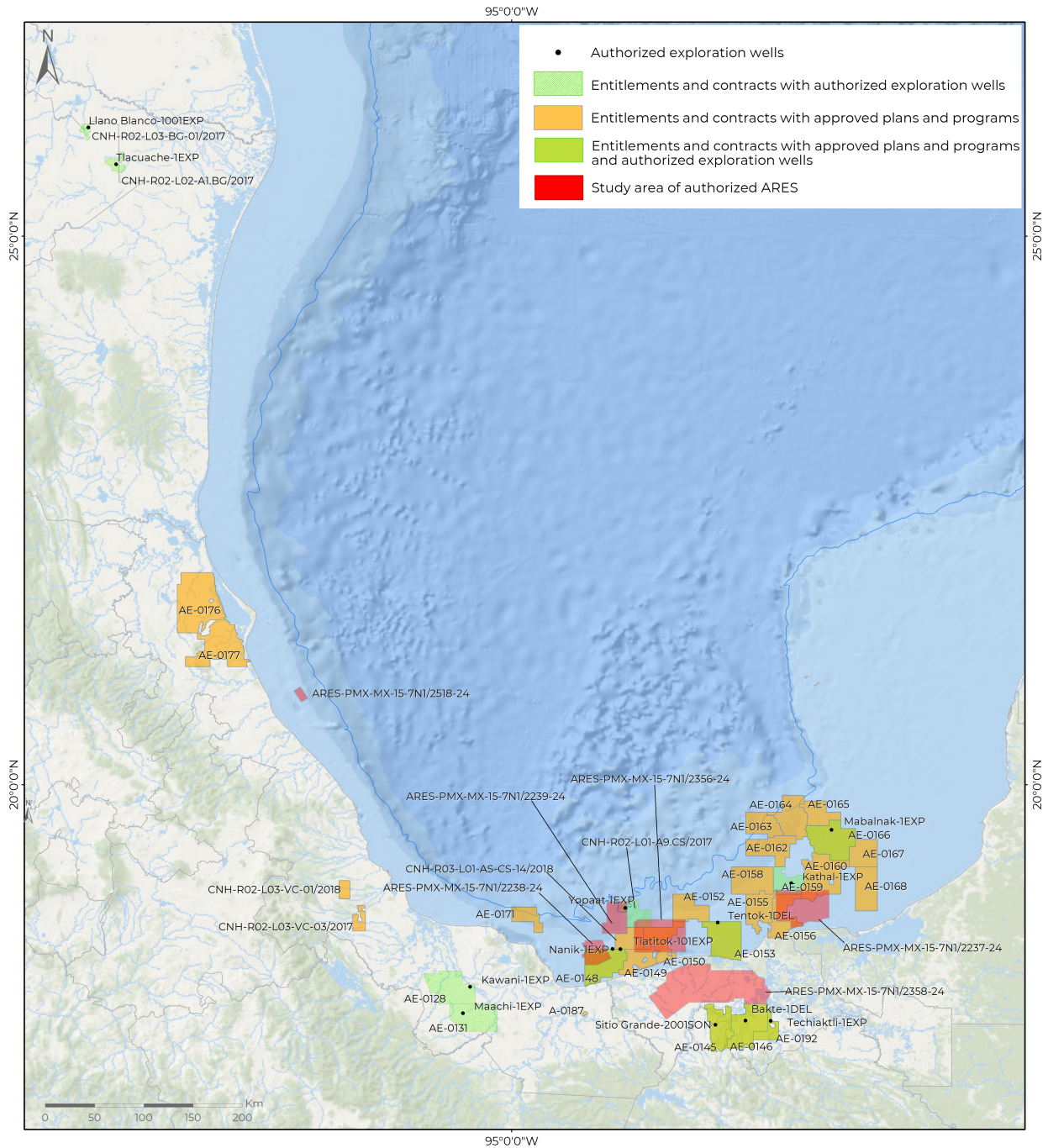
Bcf: Billion Cubic Feet

## Discoveries per year Second quarter 2024



**Note:**  
Discoveries with ratification or knowledge by the CNH.

## Approvals and authorizations location Second quarter 2024



Visit the [Hydrocarbon Map](#)