

Reconnaissance and surface exploration

ARES second quarter 2023

67 current authorized projects

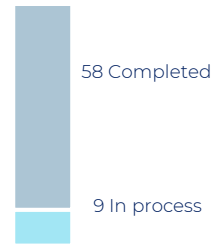
No authorized projects

ARES register

102
Companies registered in
ARES

Top 5. Companies with most projects

Top	Company	Projects
1	Pemex	13
2	Dowell-Slb	12
3	Seismic	8
4	TGS	8
5	CGG México	7



40%
With data acquisition

52%
With no data acquisition

7%
Well information with no acquisition

Approved Exploration Plans, Appraisal and Pilot Programs Second quarter 2023

Operator	Block	Plan / Program	Approval date	Investment MMUSD	Wells
Pantera Exploración y Producción 2.2	CNH-R02-L02-A7.BG/2017	Appraisal program (Parritas, Zona Norte, and Galaneño)	23-May-23	15.76	2
	CNH-R02-L02-A4.BG/2017	Appraisal program (Rusco, Écatl y Fósil)	25-May-23	8.86	1
Capricorn Energy México	CNH-R02-L01-A9.CS/2017	Modification to the Exploration Plan	13-Apr-23	51.38	1
Servicios Múltiples de Burgos	CNH-M3-MISIÓN/2018	Modification to the Exploration Plan	20-Apr-23	4.87	1
Hokchi Energy	CNH-R03-L01-AS-CS-15/2018	Modification to the Exploration Plan	11-May-23	128.40	3
Repsol Exploración México	CNH-R02-L04-AP-CS-G10/2018	Modification to the Exploration Plan	16-May-23	28.89	2
Pemex Exploración y Producción	AE-0144	Modification to the Exploration Plan	13-Jun-23	14.77	1
				252.93	11

Note:
The information corresponds to the most conservative scenarios

Authorized exploration wells Second quarter 2023

Operator	Block	Well	Location	Authorization date
Pemex Exploración y Producción	AE-0182	Yawa-1EXP	Onshore	13-Apr-23
		Sinati-1EXP	Onshore	25-May-23
	AE-0122	Kaneni-1DEL	Onshore	8-Jun-23
		Kaneni-4DEL	Onshore	8-Jun-23
	AE-0175	Madrefil-201EXP	Onshore	29-Jun-23
		Caman-1EXP	Onshore	29-Jun-23
	AE-0138	Jostbil-1EXP	Onshore	13-Apr-23
	AE-0160	Etkal-201EXP	Shallow water	27-Apr-23
	AE-0142	Escuintle-401EXP	Onshore	2-May-23
	AE-0176	Pajtsu-1EXP	Onshore	23-May-23
	AE-0141	Madrefil-101EXP	Onshore	25-May-23
	AE-0140	Iku-1EXP	Onshore	13-Jun-23
	AE-0147	Macavil-1EXP	Onshore	13-Jun-23
	AE-0189	Malaki-1EXP	Onshore	13-Jun-23
DS Servicios Petroleros	CNH-M4-ÉBANO/2018	Ébano-3001DEL	Onshore	1-Jun-23
	CNH-M4-ÉBANO/2018	Ébano-3002DEL	Onshore	27-Jun-23
Jaguar Exploración y Producción 2.3 Eni México	CNH-R02-L03-VC-03/2017	Mata Violín-3DEL	Onshore	13-Apr-23
	CNH-R02-L04-AP-CS-G05/2018	Tlazotli-1EXP	Deep water	18-Apr-23
Pantera Exploración y Producción 2.2	CNH-R02-L02-A7.BG/2017	Dieciocho de Marzo-35DEL	Onshore	11-May-23

Note:
The modifications to drilling authorizations are not considered.

Authorizations and approvals during 2023

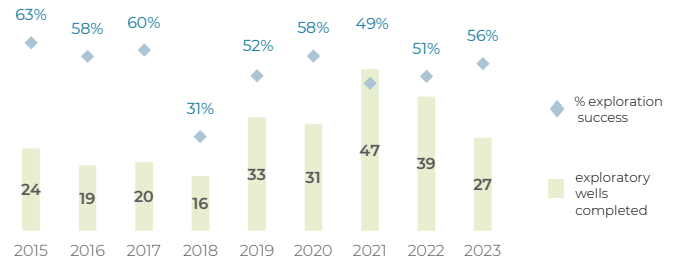
2	ARES projects	42	Exploratory wells	36	Plans and programs
0	With data acquisition	35	Onshore	29	Exploration plans
2	With no data acquisition	6	Shallow water	6	Appraisal programs
0	Well information with no acquisition	1	Deepwater	1	Pilot programs

Wells completed in 2023

Result of completed wells in 2023

	Entitlements		Contracts	
	Exploratory	Appraisal	Exploratory	Appraisal
Oil producer	1			1
Oil discoverer	5		2	
Gas and condensate discoverer			1	
Non-commercial producer	6	1		
Mechanical accident	1			
Invaded with water	6		1	
Not successful		1		
Dry	1		3	
	20	2	7	1

Exploration success rate¹



Notes:

With the information available as of July 24, 2023.

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 change.

¹The 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.

Follow up of exploration wells completed in 2023

Operator	Block	Well	Result	Timeline 2023
Pemex Exploración y Producción	AE-0142	Tiribish-1EXP	Dry	Jan-23 to Jun-23
		Racemosa-1DEL	Not succesful	Jan-23 to Jun-23
		Xamitl-1EXP	Water invaded	Feb-23 to Jun-23
		Yamoc-1EXP	Oil discoverer	Jan-23 to Feb-23
	AE-0153	Tentok-1EXP	Oil discoverer	Jan-23 to Mar-23
		Ogachi-1EXP	Oil discoverer	Jan-23 to Mar-23
	AE-0151	Yolpachi-1EXP	Non-commercial producer	Jan-23 to Feb-23
		Natza-1EXP	Non-commercial producer	Jan-23 to Feb-23
	AE-0148	Yeztli-1EXP	Non-commercial producer	Apr-23 to Jun-23
	AE-0149	Popoca-1EXP	Mechanical accident	Jan-23 to Mar-23
	AE-0154	Kante-1EXP	Oil discoverer	Jan-23 to Feb-23
	AE-0150	Macuil-101EXP	Oil discoverer	Jan-23 to Feb-23
	CNH-R03-L01-AS-CS-13/2018	Xale-1EXP	Oil and gas discoverer	Jan-23 to Feb-23
	AE-0164	Nuktah-1EXP	Non-commercial producer	Jan-23 to Feb-23
	AE-0130	Asiki-1EXP	Non-commercial producer	Jan-23 to Jun-23
	AE-0141	Cibix-401EXP	Oil producer	Jan-23 to Jun-23
	AE-0136	Akamba-1EXP	Water invaded	Apr-23 to May-23
	AE-0177	Tamiahua-401EXP	Water invaded	Mar-23 to Apr-23
	A-0386	Zapotallilo-201EXP	Water invaded	Jan-23 to Feb-23
	A-0382	Kela-1DEL	Non-commercial producer	Jan-23 to Feb-23
AE-0125	Biaqui-1EXP	Water invaded	Jan-23 to Feb-23	
AE-0144	Acatil-1EXP	Non-commercial producer	Jan-23 to Feb-23	
AE-0175	Matluk-1EXP	Water invaded	Jan-23 to Feb-23	
Shell Exploracion y Extraccion de Mexico	CNH-R02-L04-AP-PG06/2018	Itzcali-1SON	Dry	Apr-23 to Jun-23
	CNH-R02-L04-AP-CS-G09/2018	Jokol-1EXP	Dry	Jan-23 to Mar-23
	CNH-R02-L04-AP-CS-G04/2018	Aluk-1EXP	Water invaded	Jan-23 to Feb-23
Murphy Sur	CNH-R01-L04-A5.CS/2016	Tulum-1EXP	Dry	Jan-23 to Feb-23
Eni México	CNH-R02-L01-A7.CS/2017	Yatzil-1EXP	Oil discoverer	Jan-23 to Mar-23
Deutsche Erdoel México	CNH-R03-L01-AS-CS-14/2018	Kan-1EXP	Oil discoverer	Jan-23 to Feb-23
Bloque VC 01	CNH-R02-L03-VC-01/2018	Plan de Oro-1DEL	Oil producer	Jan-23 to Feb-23

Notes:

With the information available as of June 24, 2023.

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 change.

Discoveries in 2023

Operator	Block	Discovery	Location	Age	Preliminary volume	
					Liquid hydrocarbons (MMb)	Gas (Bcf)
Pemex Exploración y Producción	AE-0130	Asiki-1EXP	Shallow water	Cretaceous	130.40	23.20
	AE-0164	Nuktah-1EXP	Shallow water	Cretaceous	101.10	0.11
	AE-0154	Kante-1EXP	Shallow water	Middle Pliocene	6.47	8.64
	AE-0136	Nayu-1EXP	Onshore	Upper Miocene	7.78	8.97
	AE-0142	Yamoc-1EXP	Onshore	Lower Pliocene, Upper Miocene	8.44	3.50
	AE-0141	Cibix-401EXP	Onshore	Upper Miocene	36.85	26.66
	AE-0151	Tlakati-1DEL	Shallow water	Upper Miocene	10.10	3.40
	CNH-R03-L01-AS-CS-13/2018	Xale-1EXP	Shallow water	Lower Pliocene	98.11	11.11
		Xale-1EXP (Window)				
	AE-0150	Macuil-101EXP	Shallow water	Middle Pliocene	17.57	4.37
	AE-0151	Yolpachi-1EXP	Shallow water	Upper Pliocene	2.90	0.82
	AE-0141	Platao-EXP	Onshore	Upper Jurassic	134.10	1,741.00
	AE-0150	Macuil-201EXP	Shallow water	Middle Pliocene, Upper Miocene	19.53	10.53
		Ogachi-1EXP				
	AE-0153	Ogachi-1EXP (Window)	Shallow water	Middle Pliocene	15.82	31.86
		Tentok-1EXP				
	Eni México	CNH-R02-L01-A7.CS/2017	Yatzil-1EXP	Shallow water	Upper Miocene	62.26

Approvals and authorizations location Second quarter 2023

