

# CNH EXPLORATION ACTIVITY

Comisión Nacional de Hidrocarburos March 2021

## Reconnaissance and surface exploration

### Projects approved in 2021

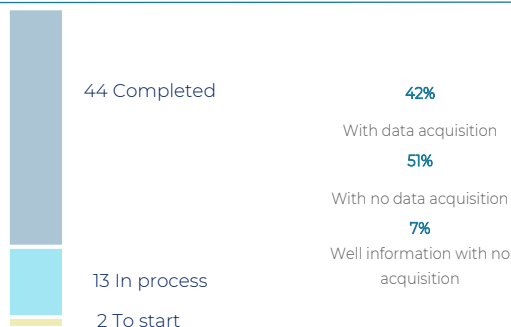
Company	Project	Technology
EMGS	ARES-MGS-MX-15-913/498-21	Electromagnetic

### Census ARES

98 Companies registered in ARES

Top 5. Companies with most projects			
Rank	Company	Projects	
1	Dowell-Sib	12	
2	Seitel	8	
3	TGS	8	
4	CGG México	6	
5	Pemex	5	

### 59 current authorized projects



## Approved Exploration Plans and Appraisal Programs First quarter 2021

Operator	Contract / Entitlement	Plan / Program	Approval date	Investment MMUSD	Wells
Pemex Exploración y Producción	AE-0151	Modification to the Appraisal Program (Pokche)	2-Mar-21	149.47	3
	AE-0397	Modification to the Exploration Plan	4-Mar-21	1.40	0
	AE-0154	Modification to the Exploration Plan	18-Mar-21	75.20	1
	AE-0148	Appraisal Program (Camatl)	23-Mar-21	58.79	1
	AE-0176	Exploration Plan	25-Mar-21	39.48	3
Jaguar Exploración y Producción 2.3	CNH-R02-L03-VC-03/2017	Modification to the Exploration Plan	21-Jan-21	24.27	3
	CNH-R02-L03-CS-06/2017	Modification to the Exploration Plan	23-Feb-21	27.41	4
Repsol Exploración México	CNH-R02-L04-AP-CS-G10/2018	Modification to the Exploration Plan	25-Mar-21	80.63	1
Hokchi Energy	CNH-R02-L04-AP-CS-G10/2018	Appraisal Program (Polok y Chinwol)	25-Mar-21	103.14	1
		Modification to the Exploration Plan	25-Feb-21	7.92	0
Newpek Exploración y Extracción	CNH-R02-L03-BG-02/2017	Appraisal Program (TreviñoI001EXP y Treviño-2001EXP)	25-Mar-21	13.54	2
Pantera Exploración y Producción 2.2	CNH-R02-L02-A4.BG/2017	Modification to the Exploration Plan	11-Feb-21	12.32	2
PC Carigali Mexico Operations	CNH-R02-L04-AP-CM-G03/2018	Modification to the Exploration Plan	4-Mar-21	89.72	1
Shell Exploración y Extracción de Mexico	CNH-R02-L04-AP-CS-G09/2018	Modification to the Exploration Plan	25-Feb-21	101.66	2
<b>Total</b>				<b>784.95</b>	<b>24</b>

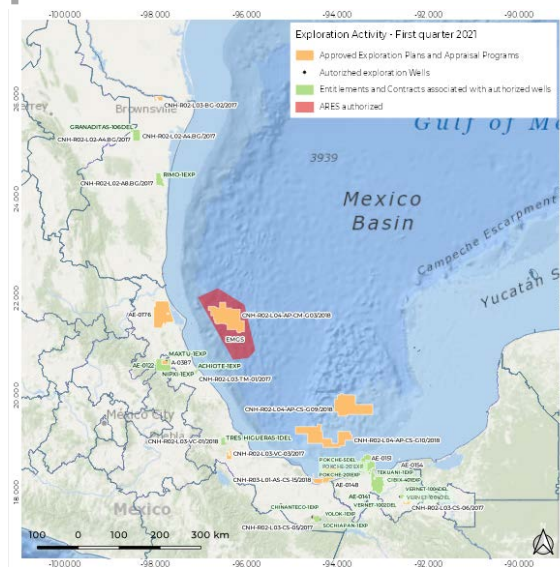
Notes: Information corresponds to the minimal scenarios.

## Authorized exploration wells First quarter 2021

Operator	Contract / Entitlement	Well	Location	Authorization date
Pemex Exploración y Producción	AE-0151	Pokche-201EXP	Shallow water	26-Jan-21
		Pokche-5DEL	Shallow water	28-Jan-21
		Tekuani-1EXP	Shallow water	16-Feb-21
		Pokche-101EXP	Shallow water	11-Mar-21
		Nipxi-1EXP	Onshore	18-Mar-21
Operadora Bloque 13	AE-0122	Maxtu-1EXP	Onshore	23-Feb-21
		Cibix-401EXP	Onshore	14-Jan-21
Vista Oil & Gas Holding II	AE-0141	Yolox-1EXP	Onshore	26-Jan-21
		Sochiapán-1EXP	Onshore	23-Feb-21
Pantera Exploración y Producción 2.2	CNH-R02-L03-CS-05/2017	Chinanteco-1EXP	Onshore	4-Mar-21
		Vernet-1001DEL	Onshore	11-Feb-21
		Vernet-1002DEL	Onshore	25-Feb-21
Jaguar Exploración y Producción 2.3	CNH-R02-L03-CS-01/2017	Vernet-1004DEL	Onshore	25-Feb-21
		Rimo-1EXP	Onshore	26-Jan-21
Bloque VC 01	CNH-R02-L02-A8.BC/2017	Granaditas-106DEL	Onshore	25-Feb-21
		Achiote-1EXP	Onshore	4-Feb-21
Bloque VC 01	CNH-R02-L03-VC-01/2018	Tres Higueras-1DEL	Onshore	23-Mar-21

Notes: Modifications to drilling authorizations are not considered.

## Approvals and authorizations location



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

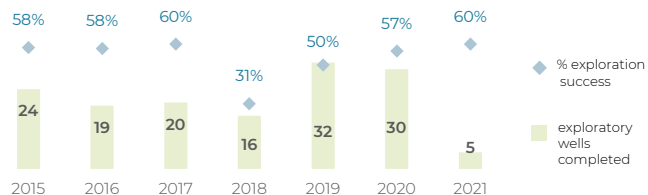
### Exploration wells completed

#### Result of completed wells in 2021

	4	2
	Entitlements	Contracts
Oil producer and discoverer	7	3
Oil and gas producer		
Gas and condensate producer	1	
Wet gas producer and discoverer		
Dry gas producer and discoverer		3
Successful		
Non-commercial producer	3	1
Information collector		
Invaded with water	8	3
Dry		2
Mechanical accident	1	

**Note:**  
 Exploration wells include stratigraphic boreholes and appraisal wells.

#### Exploration success rates



**Notes:**  
 Does not include appraisal wells.  
 Exploratory success rate includes wells with the following results: oil producer and discoverer, oil and gas producer and discoverer, gas and condensate producer and discoverer, wet gas producer and discoverer, dry gas producer and discoverer, successful and non-commercial producer

#### Follow up of exploration wells completed in 2021

Operator	Contract / Entitlement	Well	Result	Drilling start and end
Pemex Exploración y Producción	AE-0032	Ixachi-TI01EXP	Non-commercial producer	Jan-21 to Feb-21
	AE-0047	Yaxjut-1SON	Invaded with water	Jan-21
	AE-0151	Xolotl-IDEL	Oil discoverer	Jan-21 to Feb-21
	AE-0152	Niquita-1EXP	Oil discoverer	Jan-21 to Feb-21
China Offshore Oil Corporation E&P México	CNH-R01-L04-A1.CPP/2016	Amejali-1EXP	Non-commercial producer	Jan-21 to Feb-21
PC Carigali México Operations	CNH-R02-L01-A6.CS/2017	Moyote-1EXP	Dry	Jan-21 to Feb-21

**Note:**  
 Report with the information available as of March 3, 2021.  
 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 2021

Operator	Contract / Entitlement	Discovery	Location	Age	Preliminary volumes	
					Liquid hydrocarbons (MMb)	Gas (MMMpc)
Pemex Exploración y Producción	AE-0150	Tlamatini-1EXP	Shallow water	Lower Pliocene	3.8	0.9