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Comisión Nacional
de Hidrocarburos

NOTE – COSTS

**NATIONAL HYDROCARBONS INFORMATION CENTER
NATIONAL CORE CENTER
2024**



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NOTE

The new cost scheme for the services that will be provided at any of the 2 headquarters branches of the National Core Center (Hidalgo and Yucatán), includes the execution of Third-Party Service (Table no. 1), exhibition and consultation at the headquarters, and loan of samples with a differentiated payment based on the origin of the requested physical sample (Table no.2):

- Considering those Operators who request a physical sample that they themselves have acquired and delivered to the National Core Center, they will be charged only with the “Service Fee”, for the concepts listed from 7 to 19 (Table no. 2)
- If an Operator requests a physical sample that they have not acquired, the charge will be the “Total Fee”, that is, the sum of the “Service Fee” and the information “Usage Fee” (Table no. 2).

The National Hydrocarbons Commission, through the Core Center of the National Hydrocarbons Information Center (CNIH), makes the following Third-Party Services available to interested parties:

Table 1. Costs authorized by the SHCP for the year 2024.

No.	<i>Service</i>	<i>Unit of measurement</i>	<i>Service Fee (MXN)</i>
1	Dean-Stark	Plug	\$1,034.3129
2	Measurement of porosity, permeability, and density of the rock in a plug sample or a Sidewall core at ambient conditions and confining pressure	Plug sample or sidewall	\$7,985.9565
3	Capillary pressure test for an oil-water system by the porous plate technique at laboratory conditions	Plug	\$45,223.34
4	Capillary pressure test for a gas-water system by the porous plate technique at laboratory conditions	Plug	\$45,223.3432
5	Capillary pressure test by centrifugal technique oil-water system (imbibition and drain) at laboratory conditions	Plug	\$155,051.4624
6	Magnetic resonance plug measurement at T2 measurements at 100% Sw and Swi, 100% s at ambient conditions and without confinement stress	Plug	\$27,392.8494
7	Wettability analysis by the Amott method to samples of plugs or Sidewall Core	Plug sample or sidewall	\$50,391.7253
8	Wettability analysis by the USBM method to plug samples or Sidewall Core	Plug sample or sidewall	\$54,785.6987
9	Capillary pressure test by the Mercury injection technique in a rock fragment	Fragment	\$12,326.8883
10	Analysis of relative permeability water-oil or gas-water or gas-oil at steady state and net confining pressure	Plug	\$154,405.4146

No.	Service	Unit of measurement	Service Fee (MXN)
11	Analysis of relative permeability water-oil or gas-water or gas-oil in transitory state and net confining pressure.	Plug	\$60,082.4417
12	Rock-Fluid Compatibility Tests at ambient pressure conditions	Plug	\$21,319.5761
13	Critical Speed Assessment - Single Phase – Ambient Temperature	Plug	\$59,436.3939
14	Critical Speed Evaluation - Two Phase – Ambient Temperature	Plug	\$64,604.7760
15	Synthetic oil preparation up to 5 gallons	Per oil preparation	\$15,505.1462
16	Restoration and/or Aging of plug or Side Wall core	Plug or Sidewall Core	\$17,831.5547
17	Determination of electrical properties of Formation Factor (F.F.) and Resistivity Index (R.I.) in plug samples and/or wall cores at confining pressure	Per plug/per Sidewall Core/per sample	\$68,481.0625
18	Cation exchange by the Co-Cw technique at confining pressure	Plug	\$38,762.8656
19	Return permeability to oil or water (two-phase test) at ambient temperature	Plug	\$153,113.3191
20	Displacement studies with CO2 or N2, in plug (EOR)	Per concentration	\$393,055.8814
21	Displacement tests with Water alternated with Natural Gas (WAG) in plug	Injection	\$558,185.2645
22	Triaxial tests to determine static modules (Young's module, shear, Poisson's ratio) in plug samples	Plug	\$37,988.4569
23	Triaxial tests to determine the Mohr Coulomb envelope	Plug	\$57,369.8897
24	Determination of the pore volume compressibility coefficient in a plug sample under uniaxial deformation regime (PCVP)	Plug	\$94,774.8881
25	Determination of the Biot coefficient	Per service	\$131,793.7430
26	Thick Wall Cylinder (TWC) Hydrostatic Test	Plug	\$54,268.0118
27	Brazilian Test of the tensile strength of the hardness and rigidity of the rock	Per sample	\$14,213.0507
28	Compressibility of Porous Volume by hydrostatic PVC	Plug	\$65,122.4629
29	PVT Compositional Analysis for Black Oil with samples taken at bottom	Analysis	\$1,518,749.0175
30	PVT Compositional Analysis for Volatile Oil with samples taken on the surface or bottom	Analysis	\$1,208,045.6609
31	PVT Compositional Analysis for Gas and Condensate taken at surface	Analysis	\$1,029,934.8551
32	Gas composition C1 to C11+ by the chromatography technique, from Methane to C11+	Analysis	\$10,854.4510
33	Analysis of oils by the SARA method	Analysis	\$89,154.5909
34	API gravity determination	Per rock sample	\$3,256.7596
35	Routine water analysis (Stiff Analysis). including anions, cations, resistivity, pH, etc	Per water sample	\$23,257.7194
36	Composition analysis by Fluid Chromatography +C36	Per oil sample	\$32,561.2314
37	Analysis of biomarkers (GC-MS) in oil samples	Per oil sample	\$69,773.1581

No.	Service	Unit of measurement	Service Fee (MXN)
38	Biomarker analysis results interpretation service	Per sample interpretation	\$36,485.2555
39	Spectral Gamma Ray service in full diameter and/or sectioned core, per meter	Per meter	\$2,544.9402
40	CT scanner tomography of rock fragment, axial section	Per shot	\$1,047.0429
41	Full diameter 360° circumferential core image of uncut core	Per meter	\$6,848.7428
42	Megascopic lithological description, per sample	Per each rock sample	\$1,292.0955
43	X-ray diffraction (XRD) analysis, includes Total and clay fraction, service per sample	Per each rock sample	\$12,274.9074
44	X-ray fluorescence (XRF) spectroscopy, per rock fragment	Per each rock fragment	\$7,372.7946
45	Scanning Electron Microscope (SEM) plus Energy Dispersive Spectroscopy (EDS) analysis, per sample	Per each rock fragment	\$10,725.0293
46	Analysis by Scanning Electron Microscope (SEM)	Per each rock fragment	\$6,848.7428
47	PartSizsm Granulometric Laser Sieve Sieve Analysis (LPSA) PartSizsm	Per each sample	\$2,326.4084
48	Biostratigraphic Analysis by Micropaleontology of planktonic and benthic Foraminifera from the Tertiary and Mesozoic	Per each rock sample	\$6,460.4776
49	Petrographic description and basic diagenesis	Per each sample or sheet	\$12,792.5943
50	Sedimentary and paleoenvironmental description of the core	Per each meter	\$5,814.4298
51	Analysis by fluorescence microscopy	Per each sample or sheet	\$9,303.5121
52	Biostratigraphic analysis of calcareous nanoplankton	Per each sample or sheet	\$3,256.7596
53	Biostratigraphic analysis of palynology	Per each sample or sheet	\$8,011.4166
54	Sample evaluation specialist service	Per day	\$27,072.4776
55	Request for sample	Per well	\$1,978.4550
56	Request for inventory records, for each request	Per request	\$653.4736
57	Request to determine the weight of drilling cuttings in grams, for each interval	Per interval	\$9.5475

Table no. 2. Costs authorized by the SHCP for the year 2024.

No.	Service	Unit of measurement	Cost (MXN)		
			Usage Fee	Service Fee	Total Fee
1	Use of roller table	Table/Day	\$2,269.2787		\$2,269.2787
2	Use of query module	Module/Day	\$1,008.5683		\$1,008.5683
3	Use of stereoscopic microscope inside the consultation module	Day	\$882.4972		\$882.4972

No.	Service	Unit of measurement	Cost (MXN)		
			Usage Fee	Service Fee	Total Fee
4	Use of petrographic microscope inside the consultation module	Day	\$1,764.9945		\$1,764.9945
5	Taking and sending photographs using a microscope	100 photos	\$1,260.7103		\$1,260.7103
6	Per use of multipurpose room	Day	\$2,521.4207		\$2,521.4207
7	Arrangement on site of core box on the roller table	Box	\$88.2496	\$ 75.6426	\$163.8922
8	Arrangement on site of thin section	Well	\$ 378.2132	\$ 252.1421	\$630.3553
9	Arrangement on site of channel samples	Box	\$ 239.5349	\$ 88.2496	\$327.7845
10	Arrangement on site of plugs// core pad	Well	\$ 819.4616	\$ 252.1421	\$1,071.6037
11	Loan of existing plugs	Plug	\$ 126.0710	\$ 693.3907	\$819.4617
12	Loan of already-existing thin sections	Sheet	\$ 15.1286	\$ 20.1714	\$35.3000
13	Loan of channel samples of the Lithological type	Gram	\$ 25.2142	\$ 3.7821	\$28.9963
14	Loan of channel samples of the Geochemical type	Gram	\$ 25.2142	\$ 3.7821	\$28.9963
15	Loan of channel samples of the Paleontological type	Gram	\$ 25.2142	\$ 3.7821	\$28.9963
16	Cutting and loan of plug and pad of cores	Plug/pad	\$ 756.4263	\$ 1,575.8880	\$2,332.3143
17	Elaboration and loan of thin section	Thin section	\$ 18.9107	\$ 2,092.7792	\$2,111.6899
18	High resolution digital core image	Image / meter	\$ 756.4263	\$10,589.9672	\$11,346.3935
19	High resolution digital thin section image	Image / sheet	\$ 18.9107	\$10,337.8250	\$10,356.7357

In the case of Universities, Institutions and Research Centers that have entered into a Collaboration Agreement with the National Hydrocarbons Commission for access to information from the National Hydrocarbons Information Center, it is reiterated that in accordance with the established collaboration mechanisms, payment is exempt to these institutions for uses related to the use of equipment/facilities, provision of physical samples and loan of physical samples (concepts listed from 1 to 15, Table no. 2) but the charge for uses that involve the production which are cited below:

- Cutting and loan of plug and pad of cores
- Elaboration and loan of thin section
- High resolution digital core image
- High resolution digital thin section image

In which case, since these are specialized services, the institutions involved in the Agreement will have to pay both the fee for the use of National information and the fee for services and use of Core Center facilities.

Likewise, it is mentioned that for the exploitations with numerals 1 to 6 (Table no. 2) related to the use of equipment/facilities, the use fee will be charged generally to all users other than Universities, Institutions and Training Centers. Research that has entered into a collaboration agreement with the National Hydrocarbons Commission.

In relation to the use associated with Third-Party Services (Table no.1), the fee will be charged generally to all users.

One of the strategic objectives of the National Hydrocarbons Commission is to permanently promote knowledge of subsoil. In that sense, the uses mentioned above seek to maximize the use of the information contained in the Core Center, promoting the responsible use of the national heritage