

GEOLOGY - Foundation of the present; key to California's future.



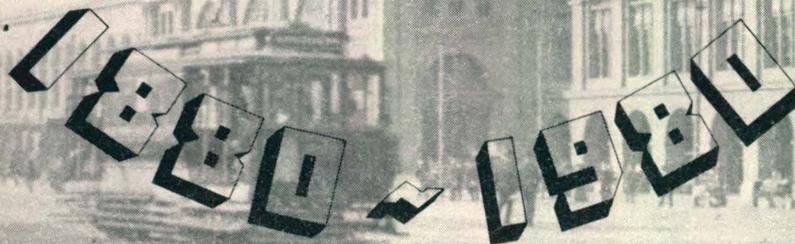
# CALIFORNIA GEOLOGY

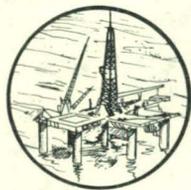
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FEBRUARY  
1980



## CDMG PROGRAMS AND FUNCTIONS

A large, arched banner with the text "EDMG CENTENNIAL" in a bold, 3D block font. The banner is superimposed over a historical black and white photograph of a street scene. In the background, a tall clock tower stands prominently, and a long, multi-story building with many arched windows is visible. The street is filled with vintage cars and horse-drawn carriages, suggesting a late 19th or early 20th-century setting.A smaller, arched banner with the text "1880-1980" in a bold, 3D block font, matching the style of the "EDMG CENTENNIAL" banner. It is positioned at the bottom of the historical photograph, indicating the centennial period being celebrated.



# California WELL SAMPLE Repository

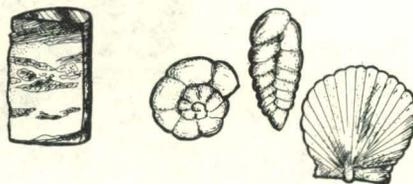
## ORGANIZATION AND ADMINISTRATION

Recognizing a need to preserve cores and samples from California oil and gas wells, the California Well Sample Repository was established in 1975. Grant funds from individual members of the Western Oil and Gas Association enabled the purchase and construction of a 6000 square foot prefabricated steel building which provides space for processing equipment, the permanent, organized storage of the rock materials, a user's study area, and an administrative office. The building, which is located on the campus of California State College, Bakersfield, is centrally situated to the oil and gas industry in the State.

The Repository is administered by the California State College, Bakersfield Foundation, which is directly responsible for the operation of the facility in regard to personnel and purchase of equipment and supplies. The day-to-day operation of the facility is carried out by the Curator (who is the only full time employee) under the supervision of the Project Director (a local geological consultant), acting under guidelines and advice from an Advisory Committee. The Foundation is a nonprofit corporation established in 1969 to beneficially support projects and services of the State College which are not provided for through State Colleges and Universities funding. Grants, contracts, donations, gifts, and other funds received in support of the Repository are administered by the Foundation.

The Advisory Committee is the governing agency of the Repository. It establishes the operating by-laws and procedures, provides support for fund raising activities, and generally or specifically authorizes, directs, advises, and guides the general operation of the Repository so as to maximize the public benefit of the facility. Membership of the committee is planned to have as broad representation as possible of those interested in the use of the facility. It includes, but is not formally restricted to, representatives of the California State College, Bakersfield Foundation and California State College, Bakersfield, the Western

Oil and Gas Association, Tenneco Oil Company, Bakersfield College, American Association of Petroleum Geologists, American Institute of Professional Geologists, Society of Economic Paleontologists and Mineralogists, U.S. Geological Survey, California Division of Mines and Geology, California State Lands, and California Division of Oil and Gas.



## BENEFITS OF THE REPOSITORY

The Repository presently contains cores and ditch samples from more than 3,000 wildcat and oil or gas wells located throughout the state and its offshore areas. This material has been donated by a great number of operators and individuals. Cores are center-sliced to enhance visual inspection of structural and sedimentary features, and to reduce volume of stored material. The retained portions are placed in standardized cardboard containers, labeled for retrieval and stored on steel shelving. Ditch samples, sidewall cores, and outcrop materials are appropriately processed, cataloged, labeled, and stored. To the extent possible, available ancillary data, including well histories, core descriptions, rock properties' analyses and electric logs are collected and placed on file for reference during study of the samples. In addition, slides, processed for microfauna, and representing over 850 California wells and 214 outcrop localities, are on file in the Repository. Other materials available for inspection include foundation boring samples from various major engineering projects and ocean bottom sediments from Water Quality Control studies. Provision is made for the collection of rock sample suites from mining districts, geothermal areas, and other geologically im-

portant localities. Donation of representative and significant California rock samples of every kind and from all sources is encouraged.

An annual catalog of the contents of the Repository is distributed on request. A current file index of rock samples is maintained at the Repository, enabling the curator to respond to specific inquiries. Materials contained in the Repository are available for inspection and use at the Repository, or by loan arrangement for a nominal fee.

Annually, or as often as appropriate, exhibits of core materials are publicly displayed at the Repository. During May 1978, a timely and extensive array of upper Miocene Stevens sand cores from the southern San Joaquin Valley were exhibited for observation and study. The response, both in numbers attending (including many from out of state) and in interest in the cores and ancillary information (logs, histories, maps, and photos) demonstrated the value of the Repository as an additional source of information and research for the explorationist. During May 1979, a similar display of upper Cretaceous Winters sand cores from the Sacramento Valley drew another large and interested group of geologists, engineers, and students, again with many from outside the state. Special publications were prepared by the Repository staff for each of these events as an aid in observing and studying the cores, and for future reference.



## CURRENT SUPPORT OF REPOSITORY OPERATIONS

The Repository operates on a modest annual budget of about \$36,000 to \$40,000 which provides for a full-time cura-

tor, temporary student help, part-time of a local geologist consultant (Project Director), utility services, operating supplies, shelving, rock processing equipment, furniture, and examination tools. To enable the Repository to achieve operating capability, the U.S. Geological Survey provided grant funds ranging from \$12,000 to \$18,000 annually from 1975 through October 1979. Support by the U.S. Geological Survey is being terminated now that the objective of establishing a public repository in California has been achieved.

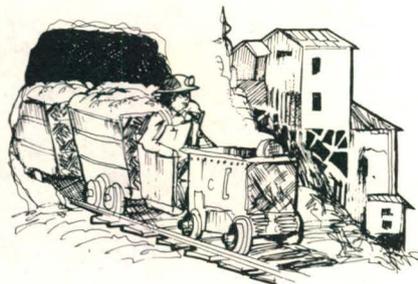
The facility urgently needs financial aid to enable continuance of the beneficial services it provides for the oil, gas, and related mineral industries of California. Donations by professional geological societies have been generous, and are increasing, but still constitute less than 2% of the budget. Nominal user fees likewise are increasing, but it is not expected that they will provide substantial income for many years, if ever. Several State of California agencies — the Divisions of State Lands, Oil and Gas, and Mines and Geology — have provided, under contractual agreements for services, income support ranging from \$9,000 to \$16,000 annually. These contractual agreements are on an annual basis, subject to the constraints of state budget funding and are, therefore, tenuous. Currently unrestricted donations have been received from the San Joaquin Geological Society (\$750), and the Society of Economic Paleontologists and Mineralogists (\$200). A number of companies and individuals have contributed a total of \$5650 to the Repository Endowment Fund. User fees have amounted to \$287 in 1978, and increased to about \$600 during the first half of 1979.

Temporary summertime student aids funded by industry have helped significantly in the processing, cataloging, and proper storage of rock materials. Such personnel contributions have been made by Union, Getty, Occidental, and Tenneco Oil Companies. It is hoped that this industry support will continue to enable processing of the tremendous accumulation of donated unprocessed rock sample materials.

In January 1979, Tenneco Oil Company donated \$10,000 to the Repository in recognition of the value of this facility to the oil industry and the resulting benefits to Kern County. Of this amount, \$5,000 was designated for use as operating funds, which will partially defray the loss of the U.S. Geological Survey funding, and \$5,000 was placed in an Endowment Fund. Similar financial support from other companies is urgently needed. It is

hoped that a sufficient amount will be built up in this Fund over the next few years so that the earnings from it will constitute a significant portion of the annual operating budget. Current investment earnings on endowment funds administered by the Foundation are estimated to be 8 ½ % per annum.

A goal of \$500,000 for the Endowment Fund has been set.



## PRIVATE FUNDING SUPPORT

Financial support of the California Well Sample Repository by Industry, professional societies, and individuals is essential to the continuance of this public facility. The annual operating expense of approximately \$40,000 is the minimum upon which the Repository can maintain continuity and achieve modest growth. Without this minimum level of support there can be no alternative to closure of the Repository, discontinuance of its public service, and ultimately disposal of its valuable rock materials and equipment.

Contributions to the Repository, through the California State College, Bakersfield Foundation, can be made in any of the following ways:

1. *Unrestricted cash contributions* to be used for the operation and maintenance of the Repository.
2. *Restricted cash contributions* designated for specific purposes, such as student labor, equipment purchase.
3. *Endowment contributions* to the California State College, Bakersfield Foundation for the exclusive use of the Repository, to be used either on a restricted or unrestricted basis. Earnings from the Endowment Fund will be issued to defray operations and capital expenditures, as the need arises.
4. *Equipment contributions*, including microscopes and other examination tools, rock saws and associated rock processing equipment, steel shelving, and such

other materials which will enhance the public benefit of the Repository.

All contributions should be made through the nonprofit California State College, Bakersfield Foundation, and will be tax deductible as either donations or as a business expense, depending upon individual circumstances and situations. All contributions will be acknowledged and gratefully appreciated, and you, as individuals or companies, will have the satisfaction of having contributed to a facility dedicated to public benefit. Names of donors of \$100 or more will be permanently inscribed on a plaque at the Repository. Contributions should be made payable to and sent to: California State College, Bakersfield Foundation — Well Sample Repository, 9001 Stockdale Highway, Bakersfield, California 93309.

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