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GEOPRESSURED GEOTHERMAL BIBLIOGRAPHY

Second Edition: Geopressure Thesaurus

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Geopressured Geothermal Bibliography

Volume II (Geopressure Thesaurus)

Second Edition

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1.0 Introduction

This thesaurus of terminology associated with the geopressured geothermal energy field has been developed as a part of the Geopressured Geothermal Information System data base. It is a compilation of terms displaying synonymous, hierarchical, and other relationships between terms. These terms, which are called descriptors, constitute the special language of the information retrieval system -- the system vocabulary.

The function of this thesaurus is to provide a standardized vocabulary for the information storage and retrieval system to facilitate both the indexing and subject-searching processes. In indexing, a thesaurus is used to translate the natural language of the document to be indexed into the standardized system vocabulary and to place the document at the appropriate level of generality or specificity in relation to the other documents in the data base. In subject retrieval, the thesaurus is used to match the natural language used in search requests with the system vocabulary and to find the most appropriate term to represent a concept. The role of the thesaurus in an information-retrieval system is illustrated in Figure 1.

The Geopressure Thesaurus is such an information retrieval thesaurus. Its role in the Geopressured Geothermal Information System is to provide a controlled vocabulary of sufficient specificity for subject indexing and retrieval of documents in the geopressured geothermal energy field.

Several other thesauri overlap in coverage with the Geopressure Thesaurus. The thesauri most closely related to the Geopressure Thesaurus in coverage are the DOE Energy Information Data Base Subject Thesaurus (8) and the Geothermal Thesaurus being developed at the Lawrence Berkeley Laboratory (LBL) (7). The Geopressure Thesaurus differs from these thesauri in two respects: 1) specificity of the vocabulary or subject scope and 2) display format.

Geopressed Geothermal Bibliography

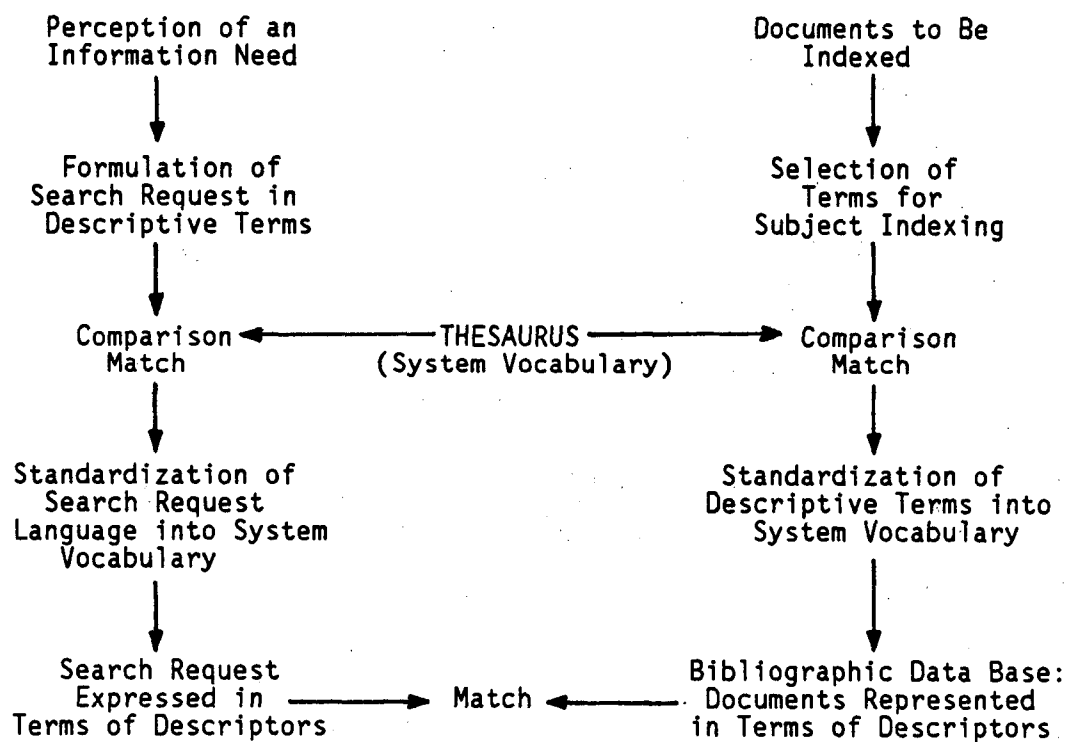


FIGURE 1 Role of a Thesaurus in an Information-Retrieval System

2.0 Subject Scope

The subject scope of the Geopressure Thesaurus includes such topics as:

1. Geopressure resource assessment: geographical distribution, estimated reserves.
2. Geology, hydrology, and geochemistry of geopressured systems.
3. Geopressure exploration and exploration technology: geophysical, geological, geochemical and hydrological methods of detecting and evaluating geopressured resources.
4. Geopressured reservoir engineering and drilling technology: drilling, development, and production of wells, corrosion, well tests, and measurements.
5. Economic aspects: financial incentives, cost estimates, taxation, and economic feasibility of developing geopressured resources for commercial and/or residential utilization.
6. Environmental aspects: effects of geopressure development on air, water, and land environments, subsidence, noise, land use, pollution.
7. Legal, institutional, and sociological aspects: effects of federal, state, and local laws and regulations in geopressure development, land use, societal considerations.
8. Electrical and nonelectrical utilization.
9. Other energy sources, especially methane and other fossil fuel reserves, associated with geopressured reservoirs.

DOE's Energy Information Data Base contains information on all aspects of energy sources, while the LBL Geothermal Thesaurus is limited to the geothermal energy field (6). The Geopressure Thesaurus is being developed to provide a highly specialized indexing vocabulary for geopressure information. Some topics included in the subject scope, such as economic and environmental aspects, are common to all fields, so that the vocabulary structure for environmental and economic terms is nearly identical in all three thesauri. Other topics, such as geographic distribution of abnormal formation pressure and geology of geopressured resources, require descriptors not found in either the DOE or LBL geothermal vocabulary.

3.0 Compatibility

The overlap in coverage between the GGIS Bibliographic Data Base and LBL's GEODOC and DOE's RECON data base increases the possibility of exchange of materials between data bases. To ensure compatibility with these data bases, vocabulary links between the thesauri have been incorporated into the Geopressure Thesaurus in the form of USE references. These references guide the user from the form of term used in other thesauri to the term expressing the same concept in the Geopressure Thesaurus.

Geopressured Geothermal Bibliography

The same style of coordinate indexing used in the LBL Geothermal Thesaurus and DOE's Subject Thesaurus has been adopted so that compatibility in hierarchical structure may also be maintained.

4.0 Display Format

The Geopressure Thesaurus differs from most conventional thesauri in that it will be available in an on-line display for interactive searching at a computer terminal. This capability represents a departure from the static, noninteractive searching required in the use of the typical thesaurus which is available in hard-copy only.

An on-line display has several advantages:

1. Availability of the Thesaurus
The user doesn't need a copy of the thesaurus while searching because he always has access to the most current version of the thesaurus via his computer terminal.
2. Facility of Use
In an on-line display the computer looks up the term for the user, thus reducing the amount of time spent by the user finding thesaurus terms and devising search strategies for computer-based retrieval.

Looking at a display for a particular descriptor, the user may decide that he wants to expand it. He can then call up the display for narrower descriptors. The process can be repeated until the proper descriptor is found.

3. Flexibility of Thesaurus Maintenance
A thesaurus is a dynamic structure which must be continuously revised and updated based on experience in its use so as to reflect the most recent developments in the subject field. Since the input data for the Geopressure Thesaurus is stored in machine-readable form on magnetic media, updating and revision can be continuous. Additions and deletions of terms can be made within the body of the thesaurus rather than in periodic supplements.

5.0 Thesaurus Structure

The guidelines for "Thesaurus Structure, Construction, and Use" (2) issued by the Z39 committee of the American National Standards Institute (ANSI) have been adopted as the standards for the Geopressure Thesaurus.

5.1 Cross-Reference Structure

The relationships used in the GGIS Thesaurus are the following:

Cross-References**Symbols**

Use	USE
Broader (more general) term	BT
Narrower (more specific) term	NT
Related term	RT
See	SEE

USE references lead the thesaurus user from a term that is not an authorized term in the system to one that is authorized. They prevent information from being dispersed in the data base under different descriptors representing identical concepts. USE references often refer to a preferred synonym, for example, GEOPRESSURED REGIONS USE GEOPRESSURED ZONES. They also may refer to or from an abbreviation, for example, UNITED STATES OF AMERICA USE USA. The reciprocal of the USE reference, the USED FOR reference, which would ordinarily accompany the term to which the USE reference refers, does not appear in the displays for descriptors in the Geopressure Thesaurus.

The BROADER TERM (BT) and NARROWER TERM (NT) relationships show class membership or geographic inclusion. A BT reference leads the user to a more general term and a NT reference leads to a more specific term; for each BROADER TERM reference there is a corresponding NARROWER TERM reference, for example,

INJECTION WELLS	WELLS
BT1 WELLS	NT1 INJECTION WELLS

The number following the relationship symbol indicates the level in the heirarchy.

TEXAS	USA
BT1 USA	BT1 NORTH AMERICA
BT2 NORTH AMERICA	NT1 TEXAS
NT1 CAMERON COUNTY	
NT1 NUECES COUNTY	

The RELATED TERM reference is used as a guide from a given term to other terms that are closely related in ways other than the BT-NT relationship and that the user might want to be reminded of in his search for the most appropriate authorized descriptor. It may also serve to suggest other fruitful search strategies to the searcher.

PERMEABILITY	POROSITY
RT POROSITY	RT PERMEABILITY

SEE references are discussed in the Term Entry section.

5.2 Term Form

Terms chosen for inclusion in the thesaurus are regularized in form in accordance with the ANSI standards for thesauri. Terms may consist of one to several words but should represent a single concept. In general, noun forms such as single nouns, noun phrases, or gerunds are preferred to

Geopressured Geothermal Bibliography

adjectival or verb forms. For example, OFFSHORE LICENSING is used rather than LICENSE; INJECTION rather than INJECT. Noun phrases are written to exclude prepositions, for example HEAT EFFECTS rather than EFFECTS OF HEAT. The singular form is used for processes, properties, and unique things; the plural form is used for classes of things.

Examples are:

1. Processes:
Cooling
Inspection
Metamorphism
Sedimentation
2. Properties:
Density
High Pressure
Salinity
Viscosity
3. Unique Things:
Earth Planet
Oxygen
4. Classes of Things:
Gases
Petroleum Deposits
Salts

5.3 Term Entry

Terms consisting of two or more words are entered in their natural word order, for example, BOTTOM HOLE PRESSURE rather than PRESSURE, BOTTOM HOLE. In most thesauri the inverted forms are included as cross-references, for example, PRESSURE (BOTTOM HOLE) USE BOTTOM HOLE PRESSURE. However, inverted entries pose a problem in a thesaurus with an on-line display since the computer only searches for the form of the term entered by the user and inverted terms may be entered in several different ways. This problem is especially evident for terms like PRESSURE and TEMPERATURE which are considered too broad for indexing and searching in a thesaurus of geopressure terms yet have many narrower terms, e.g., BOTTOM HOLE PRESSURE, FLUID PRESSURE, HIGH PRESSURE, which require inverted entry cross-references. In the Geopressure Thesaurus this problem has been handled by grouping the narrower terms under the broader term with a SEE reference indicating that one or more of the narrower terms should be substituted for the broader term, for example:

PRESSURE
SEE BOTTOM HOLE PRESSURE
FLUID PRESSURE
VAPOR PRESSURE

SEE references also serve another related purpose. Because the thesaurus is computer generated, each word in a compound term, such as THERMAL EFFLUENTS, is indexed, along with the compound term. To indicate that these

individual words are not legitimate descriptors, SEE references are used to direct the user to the appropriate compound term(s). For example, THERMAL EFFLUENTS appears as two separate words:

EFFLUENTS	THERMAL
SEE THERMAL EFFLUENTS	SEE GEOTHERMAL FLUIDS
SEE WASTE HEAT	SEE THERMAL EFFLUENTS

as well as in its correct phrase form:

THERMAL EFFLUENTS
RT GEOTHERMAL FLUIDS
RT WASTE HEAT

The SEE references will also indicate related terms listed under the correct compound term, hence the appearance of WASTE HEAT under EFFLUENTS and GEOTHERMAL FLUIDS under THERMAL. Both are related terms of THERMAL EFFLUENTS.

In the case of compound terms which are not themselves legitimate terms, both SEE and USE references are provided, for example, ACID TREATMENT:

ACID
SEE ACIDIZATION

ACID TREATMENT
USE ACIDIZATION

TREATMENT
SEE ACIDIZATION

6.0 Method of Preparation

A combination of approaches has been used in the construction of the geopressured geothermal vocabulary. First, a small test thesaurus was prepared by converting part of the list of descriptors used by other data bases to index geopressure information into a hierarchical structure. The Lawrence Berkeley Laboratory Geothermal Thesaurus served as the prototype for the hierarchical structure. Second, in order to ensure that the vocabulary reflects current usage in the field, candidate terms were collected from titles, abstracts, and indexing of a representative sample of documents, including documents stored in GEOBIB, numerous review articles, textbooks, and glossaries. Finally, terms were extracted from other more general vocabularies such as "The LBL Geothermal Thesaurus," "DOE Energy Information Data Base Subject Thesaurus," the Engineers Joint Council "Thesaurus of Engineering Terms" (5), the "Thesaurus of Water Resource Terms" prepared by the Bureau of Reclamation of the U.S. Department of the Interior (9), the American Petroleum Institute "API Thesaurus" (3), the American Geological Institute "GeoRef Thesaurus and Guide to Indexing" (1), the Engineering Index "SHE: Subject Headings for Engineering" (4), and the "Exploration and Production Thesaurus" prepared by the University of Tulsa (10).

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7.0 Work Plan

The flow chart in Figure 2 illustrates the general flow of work in thesaurus construction. This procedure has been followed in the construction of the Geopressure Thesaurus with the exception that a small test thesaurus was prepared using terms from a single primary source. This minithesaurus was then refined and expanded with terms derived from other sources.

As with all thesauri, there are terms which have been inadvertently omitted and terms included whose usefulness is doubtful. In order to detect omissions, ambiguities, redundancies, errors, and needed additional cross-references, three types of tests will be performed:

- Consultation with subject experts

- Interactive retrieval experiments, including analysis of user search requests

- Indexing experiments

Since a thesaurus is a dynamic structure in need of continuous revision, the list of terms will be reviewed periodically and the classificatory structure refined to ensure effective retrieval. Unused terms will be evaluated for possible elimination and new terms will be added when they are needed for indexing. A new thesaurus will be published annually to alert users to these changes.

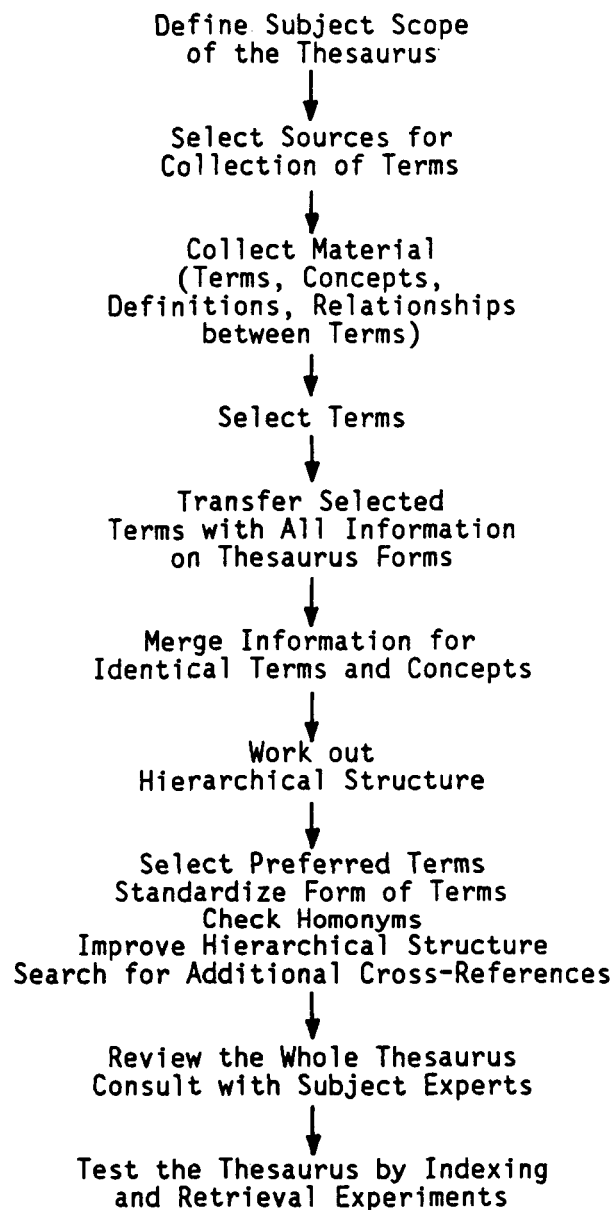


FIGURE 2 Flow of Work in Thesaurus Construction

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9.0 Citations

Abandoned wells

BT1 Wells
RT Natural gas wells
RT Oil wells
See Abandonment
See Well abandonment

Abatement

NT1 Air pollution abatement
NT1 Land pollution abatement
NT1 Noise pollution
abatement
NT1 Water pollution
abatement
RT Control
RT Environmental effects
Also see Air pollution
Also see Air pollution
control
Also see Land pollution
Also see Land pollution
control
Also see Noise pollution
Also see Noise pollution
control
Also see Pollution control
equipment
Also see Water pollution
Also see Water pollution
control

Abnormal formation pressure

Use Geopressure

Abnormal pressure

Use Geopressure
Use Subnormal formation
pressure

Abrasion

RT Corrosion
RT Erosion

Absorption

See Absorption spectroscopy
See Chemisorption

Absorption (chemical)

Use Chemisorption

Absorption spectroscopy

BT1 Measuring methods

Abstract

See Leading abstract

Abstracts

BT1 Document types
NT1 Leading abstract

Abundance

RT Availability
RT Chemical composition
RT Distribution

Acadia Parish

BT1 Louisiana
BT2 Gulf Coast

Accidents

NT1 Blowouts
RT Environment
RT Errors
RT Failures
RT Flammability
RT Hazards
RT Insurance
RT Liabilities
RT Safety
RT Site selection

Accumulation

RT Accumulation rate
RT Deposition

Accumulation rate

BT1 Rates
RT Accumulation
RT Deposition
RT Sedimentation

Accuracy

RT Calibration
RT Sensitivity

Acid

See Acidization

Acid treatment

Use Acidization

Acidification

Use Ph adjustment

Acidity

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Use Ph value

Acidization

RT Permeability
RT Permeability restoration
RT Ph adjustment
RT Scrubbing
RT Well stimulation

Acidizing

See Acidization

Acoustic

See Acoustic monitoring
See Sonic logging
See Sound velocity
See Sound waves

Acoustic logging

Use Sonic logging

Acoustic monitoring

BT1 Monitoring
RT Sonic logging

Acoustic velocity

Use Sound velocity

Acoustic waves

Use Sound waves

Acquisition

See Data acquisition systems
See Detection

Actinides

BT1 Metals
BT2 Elements
NT1 Plutonium
NT1 Thorium
NT1 Uranium

Activation

See Environmental effects
See Fault systems
See Faults
See Waste disposal

Active

See Active faults

Active faults

BT1 Faults

BT2 Geologic structures

Activity

See Volcanism

Adjustment

See Ph adjustment

Administration

Also see US ERDA
Use Management

Adsorption

RT Chemisorption
RT Deposition
RT Separation processes
RT Surface properties

Adularia

BT1 Feldspars
BT2 Silicate minerals

Aerial

See Aerial surveys

Aerial prospecting

Use Aerial surveys

Aerial surveys

BT1 Exploration methods
RT Remote sensing

Africa

BT1 Continents
NT1 Nigeria

Age

See Geochronology

Age estimation

Use Geochronology

Agency

See US EPA

Ages

See Geologic times

Agreements

RT Contracts
RT Recommendations

RT Regulations

Agriculture

RT Crops
RT Cultivation techniques
RT Direct energy utilization
RT Domestic animals
RT Ecosystems
RT Irrigation
RT Plants
RT Soil warming
RT Soils

Air

BT1 Gases
BT2 Fluids
RT Air analysis
RT Air cleaning
RT Air conditioning
RT Air quality
RT Earth atmosphere
RT Gas ejectors
RT Troposphere
RT Wind
Also see Air analysis
Also see Air analysis
Also see Air monitoring
Also see Air pollution
Also see Air pollution
abatement
Also see Air pollution
control
Also see Air pollution
monitors
Also see Cooling
Also see Cooling systems
Also see Direct energy
utilization
Also see Gas ejectors
Also see Gaseous wastes
Also see Pollution control
equipment
Also see Scrubbers
Also see Thermal insulation
Also see Water analysis

Air analysis

BT1 Analysis
BT1 Gas analysis
BT2 Chemical analysis
methods
RT Air
RT Air monitoring
RT Air pollution
RT Air pollution monitors
RT Water analysis

Air cleaning

RT Air

Air conditioning

RT Air
RT Cooling
RT Cooling systems
RT Direct energy utilization
RT Thermal insulation

Air ejectors

Use Gas ejectors

Air monitoring

BT1 Monitoring
RT Air analysis
RT Air pollution
RT Air pollution monitors
RT Water monitoring

Air pollution

BT1 Pollution
RT Air analysis
RT Air monitoring
RT Air pollution abatement
RT Air pollution control
RT Air pollution monitors
RT Air quality
RT Earth atmosphere
RT Environmental effects
RT Gaseous wastes
RT Hydrogen sulfides
RT Odor
RT Scrubbers

Air pollution abatement

BT1 Abatement
RT Air pollution
RT Air pollution control
RT Desulfurization
RT Pollution control
equipment
RT Scrubbers

Air pollution control

BT1 Pollution control
BT2 Control
RT Air pollution
RT Air pollution abatement
RT Air pollution monitors

Air pollution monitors

RT Air analysis
RT Air monitoring
RT Air pollution
RT Air pollution control

Air quality

RT Air

Geopressured Geothermal Bibliography

RT Air pollution

Alabama

BT1 USA
BT2 North America
RT Chattahoochee River
RT Chattahoochee Formation
RT Gulf Coast
RT Smackover Formation
RT Tennessee River
RT Vicksburg Formation

Alaska

BT1 USA
BT2 North America

Albite

BT1 Plagioclases
BT2 Feldspars

Algorithms

RT Computer codes
RT Mathematics

Alkali

See Alkali metals

Alkali metals

BT1 Metals
BT2 Elements
NT1 Cesium
NT1 Francium
NT1 Lithium
NT1 Potassium
NT1 Rubidium
NT1 Sodium

Alkaline

See Alkaline earth metals

Alkaline earth metals

BT1 Metals
BT2 Elements
NT1 Barium
NT1 Beryllium
NT1 Calcium
NT1 Magnesium
NT1 Radium
NT1 Strontium

Alkalinity

Use Ph value

Alkanes

BT1 Hydrocarbons
BT2 Organic compounds
NT1 Ethane
NT1 Hexane
NT1 Methane
NT1 Pentane
NT1 Propane
NT1 2-methylpropane

Allocations

RT Budgets
RT Distribution
RT Economic policy
RT Energy policy
RT Management
RT Planning

Alloys

NT1 Corrosion resistant alloys
NT1 Steels
Also see Corrosion
Also see Pitting corrosion

Alluvial

See Alluvial deposits
See Alluvium

Alluvial deposits

BT1 Sediment deposits
BT2 Sediments
RT Alluvium

Alluvium

BT1 Geologic deposits
RT Alluvial deposits
RT Deltas
RT Sediment deposits
RT Sediments

Alteration

See Burial
See Hydrothermal alteration

Altitude

Aluminum

BT1 Metals
BT2 Elements
Also see Aluminum inorganic compounds

Aluminum inorganic compounds

Alunite

- BT1 Sulfate minerals
- BT2 Minerals

America

- See Central America
- See North America
- See South America
- See USA

Ammonia

- BT1 Hydrogen inorganic compounds
- BT1 Nitrogen inorganic compounds
- RT Dissolved gases

Amorphous

- See Crystallization

Amorphous state

- RT Crystallization

Amounts

- See Trace amounts

Amphiboles

- BT1 Silicate minerals
- BT2 Minerals

Amphibolite

- BT1 Metamorphic rocks
- BT2 Rocks

Anadarko Basin

- BT1 Geologic provinces
- RT Oklahoma

RT Texas

Analysis

- NT1 Air analysis
- NT1 Chemical analysis
- NT1 Data analysis
- NT1 Gas analysis
- NT1 Water analysis
- Also see Air
- Also see Air analysis
- Also see Air monitoring
- Also see Air pollution
- Also see Air pollution monitors
- Also see Chemical analysis methods
- Also see Chemical composition
- Also see Chemistry
- Also see Comparative evaluations
- Also see Cost
- Also see Data
- Also see Dissolved gases
- Also see Ecology
- Also see Economics
- Also see Environment
- Also see Failures
- Also see Fairway analysis
- Also see Gas analysis
- Also see Gas chromatography
- Also see Gases
- Also see Human populations
- Also see Mathematical methods
- Also see Measuring methods
- Also see Numerical analysis
- Also see Qualitative chemical analysis
- Also see Quantitative chemical analysis
- Also see Simulation
- Also see Sociology
- Also see Systems analysis
- Also see Trend analysis
- Also see Trend maps
- Also see Water monitoring
- Also see Water pollution

Andesine

- BT1 Plagioclases
- BT2 Feldspars

Andesite

- BT1 Extrusive rocks
- BT2 Igneous rocks

Andesites

Geopressured Geothermal Bibliography

- Use Andesite
- Anhydrite**
 - BT1 Sulfate minerals
 - BT2 Minerals
 - RT Calcium sulfates
 - RT Gypsum
- Animal**
 - See Animal shelters
 - See Farm buildings
- Animal shelters**
 - BT1 Buildings
 - RT Farm buildings
- Animals**
 - NT1 Aquatic organisms
 - NT1 Domestic animals
 - NT1 Invertebrates
 - NT1 Wild animals
 - RT Biology
 - Also see Agriculture
- Anions**
 - BT1 Ions
 - RT Electrolysis
- Anisotropy**
 - RT Distribution
 - RT Isotropy
- Anorthosite**
 - BT1 Intrusive rocks
 - BT2 Igneous rocks
- Anthropogenic**
 - See Anthropogenic occurrence
 - See Industry
 - See Natural occurrence
- Anthropogenic occurrence**
 - RT By-products
 - RT Industry
 - RT Natural occurrence
- Anticlines**
 - BT1 Folds
 - BT2 Geologic structures
 - NT1 Diapirs
 - NT1 Geanticlines
 - RT Anticlinoria
 - RT Petroleum deposits
 - RT Salt deposits
- Anticlinoria**
 - BT1 Fold systems
 - BT2 Geologic structures
- RT Anticlines
- Antifoulants**
 - RT Corrosion
 - RT Deposits
 - RT Fouling
- Antimony**
 - BT1 Metals
 - BT2 Elements
- Apartment buildings**
 - BT1 Residential buildings
 - BT2 Buildings
- Aphanite**
 - Use Aphanitic rocks
- Aphanitic**
 - See Aphanitic rocks
- Aphanitic rocks**
 - BT1 Igneous rocks
 - BT2 Rocks
- Appalachia**
 - BT1 USA
 - BT2 North America
- Applications**
 - Also see Direct energy utilization
 - Use Uses
- Aquaculture**
 - RT Fishes
 - RT Waste heat
- Aquatic**
 - See Aquatic ecosystems
 - See Aquatic organisms
 - See Environment
 - See Fishes
- Aquatic ecosystems**
 - BT1 Ecosystems
 - RT Aquatic organisms
 - RT Environment
 - RT Fishes
 - RT Hydrosphere
 - RT Limnology
- Aquatic habitats**

Use Aquatic ecosystems

Aquatic organisms

BT1 Animals
BT1 Plants
BT2 Biomass
NT1 Fishes
NT1 Plankton
RT Aquatic ecosystems

Aqueous

See Aqueous solutions

Aqueous solutions

BT1 Solutions
RT Hydrolysis
RT Nonaqueous solutions
RT Ph value

Aquicludes

RT Aquifers
RT Saline aquifers

Aquiculture

Use Aquaculture

Aquifer

See Aquifer tests
See Aquifers
See Observation wells

Aquifer rehabilitation

RT Aquifers
RT Pollution

Aquifer tests

RT Observation wells

RT Test facilities

Aquifers

BT1 Subsurface reservoirs
NT1 Artesian aquifers
NT1 Saline aquifers
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Arabian Sea

BT1 Indian Ocean
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NT1 Persian Gulf

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BT1 Polar regions
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BT1 Geology

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- RT Clay
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- BT1 Rare gases
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- BT1 USA
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- BT1 USA
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- BT1 Semimetals
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- BT1 Aquifers
- BT2 Subsurface reservoirs
- RT Artesian basins
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- RT Subsurface waters

Artesian basins

- RT Aquifers
- RT Artesian aquifers
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RT Ground water

Artesian pressure

- BT1 Hydropressure

Artesian water

- BT1 Subsurface waters
- RT Artesian aquifers
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- RT Free water
- RT Ground water

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- RT Artesian basins
- RT Artesian water
- RT Water springs

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Artificial recharge

- BT1 Ground water recharge
- RT Injection wells
- RT Overdraft

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- See Resource assessment
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- Atmospheric**
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 - NT1 Frost
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 - RT Resource depletion
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- Back pressure**
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- Bacteria**
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- Balance**
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BT1 Sulfate minerals
BT2 Minerals
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Barium

BT1 Alkaline earth metals
BT2 Metals
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Barium inorganic compounds

NT1 Barium sulfates

Barium sulfates

BT1 Barium inorganic compounds
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BT2 Sulfur inorganic compounds
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RT Barite

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BT1 Extrusive rocks
BT2 Igneous rocks

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BT1 Ecology

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NT1 Ocean basins
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BT1 Igneous intrusions
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Binary cycle power generation

BT1 Power generation
RT Binary cycles
RT Gas turbine power generation

Binary cycles

RT Binary cycle power generation
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Binary fluid systems

RT Gas turbine power generation
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Biological effects

BT1 Effects
RT Biology
RT Environmental effects
RT Toxicity

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NT1 Ecology
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Biomass

NT1 Plants

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BT1 Stratigraphy
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BT1 Micas
BT2 Silicate minerals

Biotope

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Blowout preventers

RT Blowouts
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BT1 Accidents
RT Blowout preventers
RT Kicks
RT Oil wells
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RT Wells

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RT Boiling

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BT1 Phase transformations
RT Boilers
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Borehole diameter

Use Hole diameter

Boreholes

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RT Rock drilling
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Use Well drilling

Borneo

BT1 Islands

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BT1 Semimetals
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Boron inorganic compounds

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BT1 Well characteristics
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RT Formation testing
RT Pressure measurement
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Bottom hole pumps

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Bottom hole temperature

BT1 Well characteristics
RT Formation testing
RT Reservoir temperature
RT Temperature logging
RT Well testing
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RT Wells

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Brackish water

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BT1 Thermodynamic cycles
RT Brayton cycle power generation
RT Brayton cycle power systems
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RT Brayton cycle

Brayton cycle power systems

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BT1 Texas
BT2 Gulf Coast
NT1 Austin Bayou Prospect

Brewster County

BT1 Texas
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Brine disposal

Use Waste disposal

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NT1 Geothermal brines
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Brittleness

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Bromine

BT1 Halogens
BT2 Nonmetals
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Bromine inorganic compounds

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BT1 Texas
BT2 Gulf Coast

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NT1 Commercial buildings
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NT1 Greenhouses
NT1 Industrial buildings
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NT1 Public buildings
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RT Diagenesis
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BT1 Louisiana
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BT1 Carbonate minerals
BT2 Minerals
RT Calcium carbonates
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BT1 Alkaline earth metals
BT2 Metals
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Also see Calcium chlorides
Also see Calcium inorganic compounds
Also see Calcium sulfates
Also see Calcium carbonates
Also see Dolomite

Calcium carbonates

BT1 Calcium inorganic compounds
BT1 Carbonates
BT2 Oxygen inorganic compounds
RT Calcite
RT Dolomite

Calcium chlorides

BT1 Calcium inorganic compounds
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Calcium inorganic compounds

NT1 Calcium carbonates
NT1 Calcium chlorides
NT1 Calcium sulfates

Calcium sulfates

BT1 Calcium inorganic compounds
BT1 Sulfates
BT2 Oxygen inorganic compounds
BT2 Sulfur inorganic compounds
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RT Gypsum

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Calculation methods

RT Mathematical methods
RT Measurement
RT Measuring methods
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RT Measuring instruments
RT Measuring methods
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BT2 North America
NT1 Coalinga
NT1 Coso Hot Springs KGRA
NT1 Geysers Geothermal Field
NT1 Great Valley
NT1 Imperial County
NT1 Imperial Valley
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NT1 San Andreas Fault
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Caliper logging

BT1 Well logging
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RT Facies maps

Calstic ratio maps

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 - RT Capillary water
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 - BT1 Subsurface waters
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- Capillary Flow**
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 - RT Carbonate rocks
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 - BT1 Reservoir rocks
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 - RT Dolomite
 - RT Limestone

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BT1 Carbon inorganic compounds
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NT1 Calcium carbonates
RT Carbonate minerals
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Carboniferous Periods

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NT1 Mississippian Period
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Caribbean Sea

BT1 Atlantic Ocean
BT2 Seas
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BT1 Thermodynamic cycles

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BT1 Hungary
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BT1 Document types
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BT1 Design
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Caspian Basin

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Caspian Sea

BT1 Lakes
BT2 Surface waters
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RT Diagenesis
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BT1 Ions
RT Electrolysis

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NT1 El Salvador

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Cerro Prieto Geothermal Field

BT1 Geothermal fields
BT1 Mexico
BT2 North America
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BT1 Silica minerals
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BT1 Sulfide minerals
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BT1 Analysis
NT1 Qualitative chemical analysis
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BT1 Measuring methods
NT1 Air analysis
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RT Qualitative chemical analysis
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- BT1 Composition
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- RT Chemical analysis
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- RT Gaseous wastes
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Chemical equilibrium

- BT1 Equilibrium
- RT Chemical reactions
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- BT1 Explosions

Chemical explosives

- BT1 Explosives

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- NT1 Flammability
- NT1 Ph value
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- RT Chemical equilibrium
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- Use Evaporites

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- RT Separation processes

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- NT1 Geochemistry
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- RT Qualitative chemical analysis
- RT Quantitative chemical analysis

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- BT1 Nonclastic rocks
- BT2 Sedimentary rocks

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- BT1 Asia
- BT2 Continents
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- BT1 Chlorine inorganic compounds
- BT1 Halides
- NT1 Calcium chlorides
- NT1 Magnesium chlorides
- NT1 Sodium chlorides
- Also see Calcium chlorides
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Chlorine

- BT1 Halogens
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- NT1 Chlorides

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Chlorite minerals

- BT1 Silicate minerals

BT2 Minerals

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 NT1 Mudstone
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 BT1 Fossil fuels
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 - BT1 Reserves
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 - BT1 Buildings

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BT1 Mechanical properties
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Use Low concentration

Concentration (>1.0 molal)

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Concentration (infinite dilution)

Use Infinite dilution

Concentration (0.01-0.10 molal)

Use Moderate concentration

Concentration (0.10-1.0 molal)

Use Elevated concentration

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Concordant intrusions

BT1 Igneous intrusions
NT1 Sill intrusions

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NT1 Vapor condensers

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Cooling systems

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RT Failures
RT Fouling
RT Materials testing
RT Salinity
RT Solutions
RT Surface properties
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RT Corrosion monitoring
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Corrosion monitoring

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RT Corrosion products
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Crust (earth)

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BT1 Cultivation
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BT1 Analysis
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BT1 Processing
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BT1 Chemical reactions

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BT1 Thermoelasticity

NT1 Rock deformation

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RT Fractures

RT Mechanical properties

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BT1 Separation processes

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BT1 Physical properties

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RT Density gradients

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- RT Adsorption
- RT Depositional environment
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- BT1 Environment
- RT Deposition
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- RT Direct energy utilization
- RT Electrodialysis
- RT Evaporators
- RT Salinity
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 - NT1 Casing programs
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 - RT Feasibility studies
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 - RT Air conditioning
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 - RT District heating
 - RT Energy storage
 - RT Geothermal refrigeration
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 - RT Batholiths
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 - RT Solids
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See Disposal wells
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See Salt deposits
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Disposal formations

RT Disposal wells
RT Formation damage
RT Waste disposal
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Disposal wells

BT1 Injection wells
BT2 Wells
RT Disposal formations
RT Waste disposal
RT Well design

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Dissolved gases

BT1 Gases
BT2 Fluids
RT Ammonia
RT Carbon dioxide
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RT Dissolved solids
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Dissolved salts

BT1 Salts

Dissolved solids

BT1 Solids
RT Dissolved gases
RT Salinity
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RT Suspended solids
RT Water analysis

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RT Dimensions
RT Thickness

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NT1 Geographical
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NT1 Temperature distribution
RT Abundance
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RT Anisotropy
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District cooling

BT1 Cooling

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BT1 Heating
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- NT1 Case histories
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- NT1 Theoretical treatments
- RT Experimental results
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- BT1 Carbonate minerals
- BT2 Minerals
- RT Calcium carbonates
- RT Carbonate rocks
- RT Dolomite rocks
- RT Magnesium carbonates
- RT Marble
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- BT2 Sedimentary rocks
- RT Dolomite

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Domestic animals

BT1 Animals

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- See Bottom hole pressure
- See Bottom hole temperature
- See Downhole pumps
- See Downhole sampling
- See Well design

Downhole pressure

Use Bottom hole pressure

Downhole pumps

- BT1 Pumps
- RT Well design

Downhole sampling

- BT1 Sampling
- RT Well data

Downhole temperature

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- See Rivers

Drainage systems

- RT Hydrology
- RT Rivers

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- RT Dewatering
- RT Ground water
- RT Ground water recharge
- RT Pressure decline
- RT Water table
- RT Well spacing

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- See Plate tectonics
- See Rift valleys

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- See Boreholes
- See Drill bits
- See Drill collars
- See Drill cores
- See Drill pipes
- See Drill stem testing
- See Drills
- See Well drilling

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Drill bits

- BT1 Drilling equipment
- BT2 Equipment
- RT Drill pipes
- RT Drills
- RT Well drilling

Drill collars

- BT1 Drilling equipment
- BT2 Equipment
- RT Well drilling

Drill cores

- RT Drills
- RT Well drilling
- RT Well logging

Drill holes

- Use Boreholes

Drill pipes

- BT1 Pipes
- BT1 Drilling equipment
- BT2 Equipment
- RT Drill bits
- RT Drilling rigs
- RT Drills

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- BT1 Testing
- BT1 Well testing
- RT Formation testing

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- NT1 Directional drilling
- NT1 Rock drilling
- NT1 Well drilling
- RT Drilling fluids
- RT Drilling rigs
- RT Formation testing
- RT MWD systems
- RT Well cementing
- RT Wells
- Also see Blowout preventers
- Also see Circulating rate
- Also see Circulation
- Also see Deep drilling
- Also see Drill pipes
- Also see Drilling equipment
- Also see Drilling fluids
- Also see Drilling rate
- Also see Drills
- Also see Geothermal drilling
- Also see Natural gas
- Also see Oil drilling
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- BT1 Equipment
- NT1 Coring equipment
- NT1 Drill bits
- NT1 Drill collars
- NT1 Drill pipes
- NT1 Drills
- RT Blowout preventers
- RT Drilling rigs
- RT Well design

Drilling fluid flow rate

- Use Circulating rate

Drilling fluids

- RT Circulation
- RT Drilling
- RT Drills
- RT Lubricants
- RT Mud logging
- RT Mud weight
- RT Salt water
- RT Well drilling

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- Use Drilling fluids

Drilling rate

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BT1 Rates

Drilling rigs

RT Drill pipes
RT Drilling
RT Drilling equipment
RT Drills
RT Natural gas
RT Petroleum
RT Well drilling

Drills

BT1 Drilling equipment
BT2 Equipment
RT Drill bits
RT Drill cores
RT Drill pipes
RT Drilling fluids
RT Drilling rigs
RT Rock drilling
RT Well drilling

Drinking water

BT1 Water
RT Fresh water
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Drive mechanism

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See Fluid flow
See Isopiestic measurement
See Pressure drop
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Dry rock systems

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Dry rocks

See Hot dry rock systems

Dry steam systems

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Duval Fairway

BT1 Texas
BT2 USA
BT3 North America

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See US DOE

See US ERDA

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See Air pollution
See Alkaline earth metals
See Atmospheric
precipitations
See Continental crust
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See Earth core
See Earth crust
See Earth mantle
See Earth movements
See Earth penetrators
See Earth planet
See Earth planetary
structure
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See Geography
See Geology
See Geophysics
See Ground motion
See Meteorology
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Earth atmosphere

NT1 Stratosphere
NT1 Troposphere
RT Air
RT Air pollution
RT Atmospheric
precipitations
RT Earth planet
RT Environment
RT Meteorology

Earth core

BT1 Earth planetary
structure
RT Earth planet

Earth crust

BT1 Earth planetary
structure
NT1 Continental crust
NT1 Oceanic crust
RT Earth mantle
RT Earth planet
RT Isostasy
RT Lithosphere
RT Plate tectonics
RT Sea bed

RT Sea floor spreading

Earth current surveys
Use Telluric surveys

Earth interior
Use Earth core
Use Earth mantle

Earth mantle
BT1 Earth planetary structure
RT Convection cells
RT Earth crust
RT Earth planet
RT Overburden

Earth movements
NT1 Earthquakes
NT1 Ground subsidence
RT Creep
RT Earth planet
RT Geology
RT Ground motion
RT Seismic waves
RT Seismology

Earth penetrators
BT1 Penetrators
RT Subterrene penetrators

Earth planet
RT Continental crust
RT Earth atmosphere
RT Earth core
RT Earth crust
RT Earth mantle
RT Earth movements
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RT Oceanography
RT Topography

Earth planetary structure
NT1 Earth core
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Earth structure
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BT1 Seismic events
BT1 Earth movements
NT1 Microearthquakes
RT Seismic s waves
RT Seismic waves
RT Seismology
RT Shock waves

Earths
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East Germany
Use German Democratic Republic

East Mesa Geothermal Field
Use East Mesa KGRA

East Mesa KGRA
BT1 KGRAS
BT1 Imperial Valley
BT2 California
RT Geothermal fields

Ecology
BT1 Biology
NT1 Baseline ecology
RT Ecosystems
RT Environment
RT Paleoecology
RT Regional analysis

Economic
See Allocations
See Economic geology
See Economic policy
See Economics
See Energy policy
See Forecasting
See Government policies
See Inflation
See Mineral production
See Socio-economic factors

Economic analysis
BT1 Economics
RT Regional analysis

Economic geology
BT1 Geology
RT Economics

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RT Mineral production

Economic impact

RT Economics
RT Inflation
RT Socio-economic factors

Economic policy

RT Allocations
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RT Energy policy
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RT Government policies

Economics

NT1 Economic analysis
RT Availability
RT Budgets
RT By-products
RT Capital
RT Charges
RT Cost benefit analysis
RT Deregulation
RT Economic geology
RT Economic impact
RT Economic policy
RT Energy policy
RT Feasibility studies
RT Financial incentives
RT Financing
RT Income
RT Inflation
RT Investment
RT Life-cycle cost
RT Market
RT Profits
RT Regional analysis
RT Socio-economic factors
RT Subsidies
RT Taxes
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Ecosystems

NT1 Aquatic ecosystems
RT Agriculture
RT Biology
RT Biosphere
RT Communities
RT Ecology
RT Environment
RT Populations
Also see Aquatic organisms
Also see Fishes

Edna Delcambre No. 1 Well

BT1 Louisiana
BT2 USA

BT3 North America

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RT Manuals

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NT1 Biological effects
NT1 Corrosive effects
NT1 Environmental effects
NT1 Heterogenous effects
NT1 Temperature effects
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Also see Biology
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NT1 Thermal efficiency
RT Comparative evaluations
RT Feasibility studies
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RT Performance
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cycles

Effluents

See Chemical effluents
See Gaseous wastes
See Liquid wastes
See Mineral wastes
See Pollution
See Solid wastes
See Temperature effects
See Thermal effluents
See Thermal pollution
See Waste heat

Effluents (chemical)

Use Chemical effluents

Effluents (gaseous)

Use Gaseous wastes

Effluents (liquid)

Use Liquid wastes

Effluents (thermal)

Use Thermal effluents

Ejectors

See Air
See Gas ejectors
See Gaseous wastes
See Pumps
See Steam

El Paso County

BT1 Texas
BT2 Gulf Coast

El Salvador

BT1 Central America

Elastic

See Elasticity

Elastic properties

Use Elasticity

Elasticity

BT1 Tensile properties
BT2 Mechanical properties
NT1 Thermoelasticity
RT Brittleness
RT Strains

Elastomers

BT1 Polymers

Electric

See Power generation

Electric

See Electric conductivity
See Electric heating
See Electric potential
See Electric power
See Electric power industry
See Power generation
See Power plants
See Public utilities

Electric conductivity

BT1 Electrical properties
BT2 Physical properties

Electric generators

RT Power generation

Electric heating

BT1 Heating
RT Space heating

Electric potential

Electric power

BT1 Energy
BT1 Power
RT Electric power industry
RT Power generation
RT Power plants
RT Power potential
RT Power transmission
RT Public utilities

Electric power generation

Use Power generation

Electric power industry

BT1 Industry
RT Electric power
RT Power plants

Electric power plants

Use Power plants

Electric resistivity

Use Electric conductivity

Electric utilities

Use Public utilities

Electrical

See Electric conductivity
See Electrical equipment
See Electrical logging
See Electrical properties
See Electrical surveys
See Resistivity logging

Electrical conductivity

Use Electric conductivity

Electrical equipment

BT1 Equipment

Electrical exploration

BT1 Geophysical exploration
BT2 Exploration
RT Electrical surveys
RT Well logging

Electrical logging

BT1 Well logging
NT1 Induction logging
NT1 Resistivity logging
NT1 Sp logging

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RT Electrical surveys

Electrical properties

BT1 Physical properties
NT1 Dielectric constant
NT1 Electric conductivity

Electrical resistivity

Use Electric conductivity

Electrical surveys

BT1 Geophysical surveys
BT2 Exploration methods
NT1 Electromagnetic surveys
NT1 Magnetotelluric surveys
NT1 Resistivity surveys
NT1 Self potential surveys
NT1 Telluric surveys
RT Electrical logging
RT Electrical exploration
RT Geothermal exploration
RT Resistivity logging

Electrodialysis

BT1 Separation processes
RT Demineralization
RT Desalination
RT Diffusion
RT Mass transfer
RT Permeability
RT Semipermeable membranes

Electrolysis

RT Anions
RT Cations
RT Ions

Electromagnetic

See Electromagnetic radiation
See Electromagnetic surveys

Electromagnetic radiation

NT1 Gamma radiation

Electromagnetic surveys

BT1 Electrical surveys
BT2 Geophysical surveys
NT1 Magnetotelluric surveys

RT Geothermal exploration

Elements

NT1 Metals
NT1 Nonmetals
NT1 Semimetals
NT1 Transuranium elements
Also see Trace amounts
Also see Transition elements

Elevated

See Elevated concentration
See Elevated pressure
See Elevated temperature

Elevated concentration

RT Concentration dependence

Elevated pressure

RT Pressure dependence

Elevated temperature

RT Temperature dependence

Elongation

RT Deformation
RT Thermal expansion

Embayment

See Rio Grande Embayment

Emission

See Emission spectroscopy

Emission spectroscopy

BT1 Measuring methods

Empirical

See Empirical equations

Empirical equations

BT1 Equations
RT Mathematical models
RT Numerical solutions

Employment

Energy

NT1 Electric power
 NT1 Geothermal energy
 NT1 Heat
 NT1 Kinetic energy
 NT1 Nuclear energy
 NT1 Potential energy
 NT1 Solar energy
 NT1 Stored energy
 NT1 Wind energy
 RT Energy sources
 RT Thermodynamics
 Also see Allocations
 Also see Availability
 Also see Direct energy utilization
 Also see Economics
 Also see Energy balance
 Also see Energy conservation
 Also see Energy consumption
 Also see Energy conversion
 Also see Energy demand
 Also see Energy policy
 Also see Energy reserves
 Also see Energy resources
 Also see Energy sources
 Also see Energy storage
 Also see Energy transfer
 Also see Energy yield
 Also see Exploitation
 Also see Geothermal energy conversion
 Also see Heat storage
 Also see KGRAs
 Also see Net energy
 Also see Nuclear power plants
 Also see Ocean thermal power plants
 Also see Ocean thermal energy conversion
 Also see Power potential
 Also see Productivity
 Also see Reserves
 Also see Resources
 Also see Solar energy conversion
 Also see Solar power plants
 Also see US AEC
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 Also see US ERDA
 Also see Wind power plants
 Also see Working fluids

Energy accounting

BT1 Energy costs

RT Net energy

Energy balance

RT Energy demand
 RT Energy supplies
 RT Energy transfer
 RT Energy yield
 RT Heat balance

Energy conservation

RT Energy consumption
 RT Resource conservation

Energy consumption

RT Consumption rates
 RT Energy conservation
 RT Energy demand
 RT Energy supplies
 RT Energy yield
 RT Exploitation
 RT Net energy
 RT Resource depletion

Energy conversion

BT1 Conversion
 NT1 Geothermal energy conversion
 NT1 Solar energy conversion
 RT Energy transfer
 RT Working fluids

Energy demand

RT Energy balance
 RT Energy consumption
 RT Energy sources
 RT Energy storage
 RT Energy supplies
 RT Energy yield

Energy policy

BT1 Government policies
 RT Allocations
 RT Economic policy
 RT Economics

Energy potential

Use Power potential

Energy recovery

RT Heat
 RT Kinetic energy
 RT Materials recovery
 RT Potential energy
 RT Thermodynamics

Energy reserves

BT1 Reserves

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RT Availability

Energy resources

Energy source development

RT Energy sources
RT Resource assessment
RT Resource development
RT Resource potential
RT Risk assessment

Energy sources

NT1 Fossil fuels
NT1 Fuel gas
NT1 Heat sources
NT1 Tidal power
RT Availability
RT Energy
RT Energy demand
RT Energy supplies
RT Energy yield
RT Energy source development

Energy storage

BT1 Storage
NT1 Heat storage
RT Direct energy utilization
RT Energy demand
RT Energy supplies
RT Energy yield
RT Stored energy

Energy supplies

RT Energy balance
RT Energy consumption
RT Energy demand
RT Energy sources
RT Energy storage
RT Energy yield
RT Reserves
RT Resources

Energy transfer

NT1 Heat transfer
RT Energy balance
RT Energy conversion
RT Energy yield
RT Mass transfer

Energy yield

RT Energy balance
RT Energy consumption
RT Energy demand
RT Energy sources
RT Energy storage
RT Energy supplies
RT Energy transfer
RT Net energy

RT Productivity

Energy Research and Development Administration

Use US ERDA

Enforcement

RT Laws
RT Legal aspects
RT Regulations

Engineering

NT1 Engineering geology
NT1 Reservoir engineering
RT Engineering properties
Also see Compaction
Also see Exploitation
Also see Geopressured reservoirs
Also see Marine geology
Also see Reservoir rocks
Also see Safety

Engineering geology

BT1 Geology
BT1 Engineering
RT Exploitation
RT Marine geology
RT Mineral resources
RT Petroleum geology

Engineering properties

RT Engineering

Enhanced recovery

RT Directional drilling

Enthalpy

BT1 Thermodynamic properties
BT2 Physical properties

NT1 Reaction heat

Environment

NT1 Depositional environment
 RT Accidents
 RT Aquatic ecosystems
 RT Biosphere
 RT Earth atmosphere
 RT Ecology
 RT Ecosystems
 RT Environmental effects
 RT Environmental geology
 RT Environmental policy
 RT Environmental impact statements
 RT Hydrosphere
 RT Paleoecology
 RT Pollution
 RT Populations
 RT Regional analysis
 RT Site selection
 RT Surface waters

Environmental

See Air pollution
 See Environment
 See Environmental effects
 See Environmental geology
 See Environmental policy
 See Environmental impact statements
 See Thermal pollution
 See US EPA
 See Water pollution

Environmental effects

BT1 Effects
 RT Abatement
 RT Air pollution
 RT Biological effects
 RT Contamination
 RT Environmental impacts
 RT Environment
 RT Environmental policy
 RT Fault activation
 RT Hydrogen sulfides
 RT Thermal pollution
 RT Water pollution

Environmental geology

BT1 Geology
 RT Environment

Environmental impact statements

BT1 Document types
 RT Environment

RT Environmental effects

Environmental impacts

RT Environmental policy

Environmental policy

BT1 Government policies
 RT Environment
 RT Environmental effects

Environmental Protection

Agency
 Use US EPA

Eocene

See Eocene Epoch

Eocene Epoch

BT1 Tertiary Period
 BT2 Cenozoic Era

Epidotes

BT1 Silicate minerals
 BT2 Minerals

Epoch

See Eocene Epoch
 See Miocene Epoch
 See Oligocene Epoch
 See Paleocene Epoch
 See Pleistocene Epoch
 See Pliocene Epoch
 See Recent Epoch

Equations

NT1 Differential equations
 NT1 Empirical equations
 RT Mathematical models
 RT Mathematics
 Also see Lagrange equations

Equilibrium

NT1 Chemical equilibrium
 NT1 Thermal equilibrium

Equipment

NT1 Drilling equipment
 NT1 Electrical equipment
 NT1 Laboratory equipment
 NT1 Pollution control equipment
 NT1 Surface equipment
 NT1 Well logging equipment
 RT Measuring instruments
 Also see Blowout preventers
 Also see Coring equipment
 Also see Pollution control

Geopressured Geothermal Bibliography

Also see Well design

Era

See Cenozoic Era
See Mesozoic Era
See Paleozoic Era

Eras

See Precambrian Eras

Erosion

RT Abrasion
RT Cavitation
RT Corrosion

Errors

RT Accidents

Estimation

See Geochronology

Estuaries

BT1 Surface waters
RT Coastal waters
RT Fresh water
RT Offshore sites
RT Rivers
RT Salinity
RT Sea water
RT Seas

Ethane

BT1 Alkanes
BT2 Hydrocarbons

Eugene

See Eugene Island Block 18
Field

Eugene Island Block 18 Field

BT1 Louisiana
BT2 Gulf Coast

Europe

BT1 Continents
NT1 Czechoslovakia
NT1 German Democratic
Republic
NT1 German Federal Republic
NT1 Hungary
NT1 Iceland
NT1 Italy
NT1 Volga river
RT Urals
RT USSR

Europium

BT1 Rare earths

BT2 Metals

Evaluation

RT Comparative evaluations
RT Correlation
RT Forecasting
RT Profitability

Evaluations

See Comparative evaluations

Evaporation

BT1 Phase transformations
NT1 Flashing
RT Boiling
RT Dehydration
RT Dewatering
RT Evaporators
RT Vapors
RT Volatility

Evaporators

RT Desalination
RT Evaporation
RT Heat exchangers

Evaporites

BT1 Nonclastic rocks
BT2 Sedimentary rocks
RT Precipitation

Evaporitic

See Evaporites

Evaporitic rocks

Use Evaporites

Events

See Seismic events

Evolution

Exchange

See Ion exchange

Exchangers

See Crevice corrosion
See Heat exchangers
See Steam condensers

Expansibility

Use Thermal expansivity

Expansion

NT1 Thermal expansion
Also see Elongation

Also see Thermal expansivity

Expansivity

Also see Thermal expansion
Use Thermal expansivity

Expenses

Use Cost

Experimental

See Data
See Document types
See Experimental results
See Field studies
See Graphs
See Measuring methods
See Tables
See Theoretical treatments

Experimental results

RT Data
RT Document types
RT Field studies
RT Graphs
RT Laboratory studies
RT Tables
RT Theoretical treatments

Experimental studies

Use Experimental results

Experimental techniques

Use Measuring methods

Exploitation

RT Development
RT Energy consumption
RT Engineering geology
RT Heat extraction
RT Leasing
RT Natural gas industry
RT Petroleum industry
RT Reserves

RT Uses

Exploration

NT1 Geophysical exploration
NT1 Geopressure exploration
NT1 Geothermal exploration
NT1 Mineral exploration
NT1 Petroleum geology
NT1 Petroleum exploration
NT1 Resource potential
RT Detection
RT Exploration methods
RT Exploratory wells
RT Geophysical surveys
Also see Exploration methods
Also see Marine surveys
Also see Petroleum
Also see Petroleum industry
Also see Resistivity surveys
Also see Telluric surveys
Also see Thermal exploration methods

Exploration methods

NT1 Aerial surveys
NT1 Geochemical surveys
NT1 Geological surveys
NT1 Geophysical surveys
RT Exploration
RT Field studies
RT Subsurface mapping

Exploratory

See Exploratory wells

Exploratory wells

BT1 Wells
RT Exploration

Explosions

NT1 Chemical explosions
NT1 Contained explosions
NT1 Nuclear explosions
NT1 Underground explosions
RT Explosive stimulation
RT Explosives
RT Hazards
RT Shock waves
Also see Seismic events
Also see Seismic s waves

Explosive

See Explosive stimulation

Explosive stimulation

BT1 Well stimulation
BT2 Reservoir engineering

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RT Explosions

Explosives

- NT1 Chemical explosives
- NT1 Nuclear explosives
- RT Explosions

Extraction

- Also see Exploitation
- Also see Heating
- Use Heat extraction

Extrusive

- See Extrusive rocks

Extrusive rocks

- BT1 Igneous rocks
- BT2 Rocks
- NT1 Andesite
- NT1 Basalt
- NT1 Pyroclastic rocks
- NT1 Rhyolite

EPA

- Use US EPA

ERDA

- Use US ERDA

Fabrication

- RT Contracts

Facies

- RT Facies maps
- RT Sand shale ratio

Facies maps

- BT1 Stratigraphic maps
- BT2 Maps
- NT1 Net sand maps
- NT1 Sand percent maps
- RT Calstic ratio
- RT Calstic ratio maps
- RT Facies
- RT Sand trend maps

Facilities

- See Aquifer tests
- See Comparative evaluations
- See Field studies
- See Public lands

Factors

- See Economics

See Socio-economic factors

Failures

- NT1 Rock failures
- RT Accidents
- RT Corrosion
- RT Fracture properties
- RT Hazards
- RT Reliability
- RT Safety
- RT Systems analysis

Fairfax Foster Sutter No. 2 Well

- BT1 Louisiana
- BT2 USA
- BT3 North America

Fairway

- See Fairway analysis

Fairway analysis

Farm animals

- Use Domestic animals

Farm buildings

- BT1 Buildings
- RT Animal shelters

Fatigue

- BT1 Mechanical properties

Fault

- See Environmental effects
- See Fault blocks
- See Fault systems
- See Fault zones
- See Faults
- See Rift valleys
- See San Andreas Fault
- See Waste disposal

Fault activation

- RT Environmental effects
- RT Fault systems
- RT Faults
- RT Waste disposal

Fault blocks

- BT1 Geologic structures
- RT Fault systems
- RT Faults

Fault seals

Fault systems

- BT1 Geologic structures
- RT Fault activation
- RT Fault blocks
- RT Faults
- RT Rift valleys

Fault zones

- BT1 Geologic structures
- RT Faults
- RT Rift valleys

Faulting

- BT1 Rock deformation
- BT2 Deformation
- RT Faults

Faults

- BT1 Geologic structures
- NT1 Active faults
- NT1 Growth faults
- NT1 Lateral faults
- NT1 Normal faults
- NT1 Thrust faults
- RT Diastrophism
- RT Displacements
- RT Fault activation
- RT Fault blocks
- RT Fault systems
- RT Fault zones
- RT Faulting
- RT Fissures
- RT Grabens
- RT Rift valleys
- RT Rock failures

Feasibility

- See Comparative evaluations
- See Economics
- See Feasibility studies

Feasibility studies

- RT Comparative evaluations
- RT Design
- RT Economics
- RT Efficiency
- RT Performance
- RT Planning
- RT Productivity
- RT Technology assessment
- RT Technology utilization

RT Testing

Features

- See Geologic structures
- See Mountains
- See Submarine trenches

Federal buildings

- BT1 Buildings
- RT Military facilities
- RT Office buildings
- RT Public buildings

Federal lands

- Use Public lands

Federal Republic of Germany

- Use German Federal Republic

Feldspars

- BT1 Silicate minerals
- BT2 Minerals
- NT1 Adularia
- NT1 Microcline
- NT1 Orthoclase
- NT1 Plagioclases

Ffg

- Use FFG

Ffg

Field

- See Cerro Prieto Geothermal Field
- See East Mesa KGRA
- See Eugene Island Block 18 Field
- See Exploration methods
- See Field studies
- See Geology
- See Geysers Geothermal Field
- See Hot water systems
- See Hydrology
- See Lardereillo Geothermal Field
- See Recluse Field
- See Rock mechanics
- See Valles Caldera Geothermal Field
- See Vapor dominated systems
- See Wairakei Geothermal

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Field

Field studies

- BT1 Document types
- RT Case histories
- RT Experimental results
- RT Exploration methods
- RT Geological setting
- RT Geology
- RT Hydrology
- RT Laboratory studies
- RT Rock mechanics
- RT Soil mechanics
- RT Test facilities

Fields

- See Coso Hot Springs KGRA
- See East Mesa KGRA
- See Geopressured zones
- See Geothermal fields
- See Geothermal systems
- See Gravitation
- See Klamath Falls KGRA
- See KGRAs
- See Marysville KGRA
- See Mono-long Valley KGRA
- See Natural gas
- See Natural gas fields
- See Oil fields
- See Oil wells
- See Petroleum
- See Raft River KGRA
- See Reservoir rocks

Filtration

- BT1 Separation processes

Financial incentives

- NT1 Subsidies
- RT Economics
- RT Financing
- RT Profitability
- RT Taxes

Financing

- RT Budgets
- RT Capital
- RT Charges
- RT Cost
- RT Economics
- RT Financial incentives
- RT Investment
- RT Subsidies

Fire

- See Fire hazards

See Flammability

Fire hazards

- BT1 Hazards
- RT Flammability
- RT Safety

Fires

- RT Flammability

Fish

- See Aquaculture

Fish culture

- Use Aquaculture

Fishes

- BT1 Aquatic organisms
- BT2 Animals
- RT Aquaculture
- RT Aquatic ecosystems
- RT Biology
- RT Hydrosphere
- RT Surface waters

Fissured

- See Fractured reservoirs

Fissured formations

- Use Fractured reservoirs

Fissures

- BT1 Geologic structures
- RT Cracks
- RT Faults
- RT Fractures

Fittings

- See Nozzles
- See Pipes

Flame photometry

- Use Emission spectroscopy

Flammability

- BT1 Chemical properties
- RT Accidents
- RT Fire hazards
- RT Fires
- RT Safety
- RT Volatility

Flash

- See Flashing

Flash evaporation

Use Flashing

Flashed

See Flashed steam systems
See Geothermal energy
conversion
See Thermodynamic cycles

Flashed steam systems

RT Flashing
RT Geothermal energy
conversion
RT Thermodynamic cycles

Flashing

BT1 Evaporation
BT2 Phase transformations
RT Flashed steam systems
RT Steam
RT Thermal waters
RT Two phase flow

Flooding rate

Use Injection rates

Floods

RT Atmospheric
precipitations
RT Hazards
RT Hydrology
RT Surface waters

Floor

See Earth crust
See Oceanic crust
See Plate tectonics
See Sea bed
See Sea floor spreading
See Seas

Florida

BT1 Gulf Coast
BT2 North America

RT Gulf Coast

Flow

See Circulating rate
See Diagrams
See Flashing
See Flow models
See Flow rate
See Fluid flow
See Geothermal energy
conversion
See Heat flow
See Heat flow surveys
See Liquid flow
See Thermal conduction
See Thermodynamic cycles
See Two phase flow

Flow (fluid)

Use Fluid flow

Flow charts

Use Diagrams

Flow models

BT1 Mathematical models
BT2 Models
RT Fluid flow

Flow rate

BT1 Rates
NT1 Circulating rate
RT Flowmeters
RT Fluid flow
RT Hydraulics
RT Hydrodynamics
RT Pressure drop
RT Velocity

Flow string

RT Well casings
See Production tubing
See Tubing (well)
See Well tubing

Flowmeters

BT1 Measuring instruments
RT Flow rate
RT Fluid flow
RT Liquid flow

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RT Nozzles

Fluid

- See Chemical reactions
- See Circulating rate
- See Flow rate
- See Fluid flow
- See Fluid mechanics
- See Fluid pressure
- See Fluid sampling
- See Fluid withdrawal
- See Gas turbine power generation
- See Geothermal fluids
- See Geothermal energy conversion
- See Ground water
- See Hydrothermal alteration
- See Hydrothermal systems
- See Interstitial water
- See Liquid wastes
- See Overdraft
- See Reservoir pressure
- See Rocks
- See Thermodynamic cycles
- See Waste disposal
- Use Fluids

Fluid disposal

- Use Liquid wastes
- Use Waste disposal

Fluid flow

- NT1 Liquid flow
- NT1 Two phase flow
- RT Cavitation
- RT Flow models
- RT Flow rate
- RT Flowmeters
- RT Fluid properties
- RT Fluid mechanics
- RT Fluids
- RT Hydraulics
- RT Hydrodynamics
- RT Jets
- RT Leakage
- RT Mass transfer
- RT Nozzles
- RT Pressure drop
- RT Rheology
- RT Viscosity

Fluid mechanics

- NT1 Hydrodynamics
- RT Fluid flow
- RT Fluids
- RT Hydraulics

RT Hydrostatics

Fluid pressure

Fluid properties

- BT1 Physical properties
- NT1 Mud weight
- RT Compressibility
- RT Density
- RT Fluid flow

Fluid sampling

- BT1 Sampling

Fluid withdrawal

- RT Geothermal fluids
- RT Ground water
- RT Overdraft

Fluidized bed heat exchangers

- BT1 Heat exchangers

Fluids

- NT1 Gases
- NT1 Geothermal fluids
- NT1 Liquids
- NT1 Reservoir Fluids
- NT1 Working fluids
- RT Fluid flow
- RT Fluid mechanics
- Also see Circulation
- Also see Crevice corrosion
- Also see Drilling
- Also see Drilling fluids
- Also see Drills
- Also see Geothermal brines
- Also see Heat exchangers
- Also see Hydrothermal systems
- Also see Salt water
- Also see Thermal effluents
- Also see Thermodynamic cycles
- Also see Well drilling

Fluorides

- BT1 Fluorine inorganic compounds
- BT1 Halides

Fluorine

- BT1 Halogens
- BT2 Nonmetals
- Also see Fluorine inorganic compounds

Fluorine inorganic compounds

NT1 Fluorides

Fluorite

- BT1 Halide minerals
- BT2 Minerals

Flux

- See Heat flow

Fold systems

- BT1 Geologic structures
- NT1 Anticlinoria
- NT1 Synclinoria
- RT Folds

Folds

- BT1 Geologic structures
- NT1 Anticlines
- NT1 Monoclines
- NT1 Overturned folds
- NT1 Synclines
- RT Fold systems
- RT Salt domes

Food processing

Foraminifera

- BT1 Protozoa
- BT2 Microorganisms
- BT2 Invertebrates
- RT Biostratigraphy
- RT Paleontology

Forecasting

- RT Correlation
- RT Economic policy
- RT Evaluation
- RT Management
- RT Market

RT Possibilities

Formation

- See Arkansas
- See California
- See Cretaceous Period
- See Disposal formations
- See Ffg
- See Formation heat
- See Formation thickness
- See Fracturing
- See Geopressure
- See Interstitial water
- See Jurassic Period
- See Louisiana
- See Mesozoic Era
- See Mississippi
- See Oklahoma
- See Oligocene Epoch
- See Permeability
- See Plugging
- See Reservoir pressure
- See Subnormal formation pressure
- See Texas
- See Well completion

Formation damage

- RT Disposal formations
- RT Permeability
- RT Plugging
- RT Well completion

Formation fracturing

- Use Fracturing

Formation heat

- BT1 Reaction heat
- BT2 Enthalpy

Formation plugging

- Use Plugging

Formation pressure

- Use Reservoir pressure

Formation testing

- BT1 Testing
- RT Bottom hole pressure
- RT Bottom hole temperature
- RT Gas production
- RT Reserves
- RT Reservoir engineering
- RT Reservoir pressure
- RT Sampling
- RT Well logging

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- RT Well testing
- Formation thickness**
 - BT1 Thickness
 - BT2 Dimensions
 - RT Isopach
 - RT Overburden
 - RT Stratigraphy
- Formation water**
 - Use Interstitial water
- Formations**
 - See Disposal formations
 - See Disposal wells
 - See Fractured reservoirs
 - See Waste disposal
 - See Well design
- Fossil fuel power plants**
 - BT1 Thermal power plants
 - BT2 Power plants
- Fossil fuels**
 - BT1 Energy sources
 - BT1 Fuels
 - NT1 Coal
 - NT1 Natural gas
 - NT1 Petroleum
 - RT Oil shale
- Fouling**
 - RT Antifoulants
 - RT Corrosion
 - RT Demineralization
 - RT Deposition
 - RT Plugging
 - RT Scaling
 - RT Water pollution
- Fracture**
 - See Ffg
 - See Fracture properties
 - See Rock properties
- Fracture flow**
- Fracture properties**
 - BT1 Mechanical properties
 - RT Cracks
 - RT Failures
 - RT Fractures
 - RT Rock properties
- Fractured formations**
 - Use Fractured reservoirs
- Fractured reservoirs**
 - BT1 Reservoir rocks
 - BT2 Rocks
- Fractures**
 - RT Cracks
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 - RT Fracture properties
- Fracturing**
 - NT1 Hydraulic fracturing
 - Also see Reservoir engineering
- Fragmental rocks**
 - Use Clastic rocks
- Franciscan**
 - See California
 - See Cretaceous Period
 - See Jurassic Period
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- Franciscan Formation**
 - RT California
 - RT Cretaceous Period
 - RT Jurassic Period
 - RT Mesozoic Era
- Francium**
 - BT1 Alkali metals
 - BT2 Metals
- Frasch sulfur process**
 - BT1 Recovery processes
 - RT Sulfur
- Free ground water**
 - Use Ground water
- Free water**
 - BT1 Subsurface waters
 - RT Artesian water
 - RT Capillary water
 - RT Ground water
 - RT Hygroscopic water
 - RT Permeability
 - RT Vadose water
- Freezing**
 - See Freezing potential
 - See Melting point
- Freezing point**

Use Melting point

Freezing potential

BT1 Physical properties

Fresh water

BT1 Water
RT Drinking water
RT Estuaries
RT Lakes
RT Limnology
RT Salt water
RT Water reservoirs

Friction

Frio

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Frio Formation

NT1 Brazoria Fairway
RT Louisiana
RT Oligocene Epoch
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Frost

BT1 Atmospheric
precipitations
BT2 Meteorology
RT Permafrost
RT Snow

Fuel

See Fossil fuel power plants
See Fuel gas
See Fuel leasing

Fuel gas

BT1 Gases
BT2 Fluids
BT1 Fuels
BT1 Energy sources
BT1 Natural gas
RT Synthetic fuels

Fuel gas

BT1 Energy sources
BT1 Fuels
BT1 Gases
BT2 Fluids
NT1 Natural gas

Fuel leasing

BT1 Leasing

Fuels

BT1 Fossil fuels
BT2 Coal
BT2 Natural gas
BT2 Petroleum
BT1 Fuel gas
BT1 Synthetic fuels
NT1 Natural gas

Fuels

NT1 Fossil fuels
NT1 Fuel gas
Also see Fossil fuels

Fumaroles

RT Hydrothermal systems
RT Thermal waters

Functional

See Comparative evaluations
See Functional models
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Functional models

BT1 Models
NT1 Pilot plants
RT Comparative evaluations
RT Simulation

G codes

BT1 Computer codes

Gabbro

BT1 Intrusive rocks
BT2 Igneous rocks

Gages

See Pressure gages

Galena

BT1 Sulfide minerals
BT2 Minerals

Gallium

BT1 Metals
BT2 Elements

Galveston

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Galveston County

BT1 Texas

Geopressured Geothermal Bibliography

BT2 Gulf Coast

Gamma radiation

- BT1 Electromagnetic radiation
- RT Gamma ray logging
- RT Gamma spectroscopy

Gamma ray logging

- BT1 Radioactivity logging
- BT2 Well logging
- RT Gamma radiation
- RT Gamma spectroscopy

Gamma ray surveys

- BT1 Radioactivity surveys
- BT2 Geophysical surveys
- RT Gamma spectroscopy

Gamma spectroscopy

- BT1 Measuring methods
- RT Gamma radiation
- RT Gamma ray logging
- RT Gamma ray surveys
- RT Spectrometric surveys

Gamma-gamma logging

- BT1 Radioactivity logging
- BT2 Well logging

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BT1 Industry
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NT1 Rural populations

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BT1 Geology
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NT1 Artesian pressure
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- Also see Ground subsidence
- Also see Mechanical properties
- Also see Reservoir engineering
- Also see Rock failures
- Also see Rock mechanics
- Also see Rock properties
- Also see Rocks
- Also see Sea bed
- Also see Slope stability
- Also see Soils

Media

- See Porosity
- See Semipermeable membranes

Meetings

- RT Document types
- RT Hearings
- RT Proceedings

Melting

- BT1 Phase transformations
- Also see Melting point

Melting point

- BT1 Transition temperature
- BT2 Thermodynamic properties

Membranes

- Use Semipermeable membranes

Mercury

- BT1 Metals
- BT2 Elements

Mesozoic Era

- BT1 Geologic times
- NT1 Cretaceous Period
- NT1 Jurassic Period
- NT1 Triassic Period

RT Franciscan Formation

Metals

BT1 Elements
 NT1 Actinides
 NT1 Alkali metals
 NT1 Alkaline earth metals
 NT1 Aluminum
 NT1 Antimony
 NT1 Bismuth
 NT1 Cadmium
 NT1 Gallium
 NT1 Germanium
 NT1 Indium
 NT1 Lead
 NT1 Mercury
 NT1 Polonium
 NT1 Rare earths
 NT1 Thallium
 NT1 Tin
 NT1 Transition elements
 NT1 Zinc

Metamorphic

See Metamorphic rocks
 See Petrology

Metamorphic rocks

BT1 Rocks
 NT1 Amphibolite
 NT1 Marble
 NT1 Schist
 NT1 Slate
 RT Petrology

Metamorphism

BT1 Geologic processes
 RT Burial

Meteoric

See Atmospheric
 precipitations
 See Meteoric water

Meteoric water

BT1 Ground water
 BT2 Subsurface waters
 RT Atmospheric

precipitations

Meteorology

NT1 Atmospheric
 precipitations
 RT Climates
 RT Earth atmosphere
 RT Seasons
 RT Site selection
 RT Storms
 RT Temperature inversions
 RT Weather
 RT Wind

Methane

BT1 Alkanes
 BT2 Hydrocarbons
 RT Dissolved gases

Methods

See Chemical analysis
 methods
 See Exploration
 See Exploration methods
 See Graphic methods
 See Mathematical methods
 See Measurement
 See Measuring methods
 See Numerical solution
 See Sampling
 See Thermal exploration
 methods

Methylene

See Methylene blue

Methylene blue

BT1 Organic compounds

Methylpropane

See 2-methylpropane

Mexico

BT1 North America
 BT2 Continents
 NT1 Cerro Prieto Geothermal
 Field
 NT1 Tabasco
 Also see Gulf Coast
 Also see Gulf of Mexico
 Also see New Mexico

Micas

BT1 Silicate minerals
 BT2 Minerals
 NT1 Biotite
 NT1 Muscovite

Geopressured Geothermal Bibliography

NT1 Sericite

Microcline

- BT1 Feldspars
- BT2 Silicate minerals

Microearthquakes

- BT1 Earthquakes
- BT2 Seismic events
- BT2 Earth movements

Microlaterologging

- Use Microresistivity logging

Micrologging

- Use Microresistivity logging

Microorganisms

- NT1 Bacteria
- NT1 Protozoa
- RT Biology

Micropaleontology

- RT Geochronology
- Use Paleontology

Microresistivity

- See Microresistivity logging

Microresistivity logging

- BT1 Resistivity logging
- BT2 Electrical logging

Microseismicity

- Use Microseisms

Microseisms

- BT1 Seismic waves
- RT Seismic noise
- RT Seismology

Middle East

- NT1 Israel
- NT1 Turkey

Migration

Military facilities

RT Federal buildings

Mineral

- See Dolomite
- See Engineering geology
- See Geologic deposits
- See Hot springs
- See Mineral composition
- See Mineral exploration
- See Mineral production
- See Mineral resources
- See Mineral rights
- See Mineral springs
- See Mineral wastes
- See Minerals
- See Ownership
- See Recovery processes
- See Thermal springs

Mineral composition

- BT1 Composition

Mineral deposits

Mineral exploration

- BT1 Exploration

Mineral production

- BT1 Production
- RT Economic geology

Mineral recovery

- RT Minerals
- RT Recovery processes

Mineral resources

- BT1 Resources
- RT Engineering geology
- RT Geologic deposits
- RT Mineral rights
- RT Ownership

Mineral rights

- BT1 Ownership
- RT Land leasing
- RT Leases
- RT Legal aspects
- RT Mineral resources

Mineral springs

- BT1 Water springs
- RT Hot springs
- RT Thermal springs

Mineral wastes

- BT1 Solid wastes
- BT2 Wastes

RT Chemical effluents

Mineralization

RT Burial
RT Crystallization

Mineralogy

RT Minerals
Also see Clay
Also see Clay mineralogy

Minerals

NT1 Carbonate minerals
NT1 Halide minerals
NT1 Oxide minerals
NT1 Silica minerals
NT1 Silicate minerals
NT1 Sodium minerals
NT1 Sulfate minerals
NT1 Sulfide minerals
RT Crystallography
RT Geological setting
RT Mineral recovery
RT Mineralogy
Also see Carbonates
Also see Chlorite minerals
Also see Clay
Also see Clay mineralogy
Also see Clay minerals
Also see Halides
Also see Sulfates
Also see Sulfides

Miocene

See Miocene Epoch

Miocene Epoch

BT1 Tertiary Period
BT2 Cenozoic Era

Mississippi

BT1 Gulf Coast
BT2 North America
NT1 Greene County
NT1 Rankin County
RT Gulf Coast
RT Smackover Formation
RT Vicksburg Formation
RT Wilcox Formation
Also see Mississippi River

Mississippi River

BT1 North America
BT2 Continents
BT1 Rivers

BT2 Streams

Mississippian Period

BT1 Carboniferous Periods
BT2 Paleozoic Era

Mixtures

RT Solutions

Mobile homes

BT1 Buildings
RT Houses

Models

NT1 Functional models
NT1 Mathematical models
NT1 Structural models
Also see Comparative evaluations
Also see Computer codes
Also see Empirical equations
Also see Equations
Also see Flow models
Also see Fluid flow
Also see Geologic structures
Also see Mathematics
Also see Simulation
Also see Statistical models

Moderate

See Moderate concentration
See Moderate pressure
See Moderate temperature

Moderate concentration

RT Concentration dependence

Moderate pressure

RT Pressure dependence

Moderate temperature

RT Temperature dependence

Molal

See Elevated concentration
See High concentration
See Low concentration
See Moderate concentration

Molybdenum

BT1 Transition elements

Geopressured Geothermal Bibliography

BT2 Metals

Monitoring

- NT1 Acoustic monitoring
- NT1 Air monitoring
- NT1 Corrosion monitoring
- NT1 Scale monitoring
- NT1 Temperature monitoring
- NT1 Water monitoring
- NT1 Well monitoring
- RT Control
- RT Detection
- RT Remote control
- RT Well information systems
- Also see Air pollution
- Also see Air pollution monitors
- Also see Corrosion
- Also see Corrosive effects
- Also see Crevice corrosion
- Also see Observation wells
- Also see Water pollution
- Also see Well information systems

Monitoring wells

- Use Observation wells

Monitors

- See Air pollution
- See Air pollution control
- See Air pollution monitors

Monitors (air pollution)

- Use Air pollution monitors

Mono-long

- See Mono-long Valley KGRA

Mono-long Valley KGRA

- BT1 KGRAs
- BT1 California
- BT2 USA
- BT3 North America
- RT Geothermal fields

Monoclines

- BT1 Folds
- BT2 Geologic structures

Montana

- BT1 USA
- BT2 North America
- NT1 Marysville KGRA

RT Yellowstone National Park

Montgomery Fairway

- BT1 Texas
- BT2 USA
- BT3 North America

Montmorillonite

- BT1 Clay minerals
- BT2 Silicate minerals

Mordenite

- BT1 Zeolites
- BT2 Silicate minerals

Morrow Formation

- RT Arkansas
- RT Oklahoma

Motion

- See Ground motion
- See Seismic events

Mountains

- NT1 Coast ranges
- NT1 Jemez Mountains
- NT1 Urals
- Also see Geothermal fields
- Also see Jemez Mountains

Movements

- See Earth movements
- See Geology
- See Ground motion
- See Seismic waves
- See Seismology

Mud

- See Circulating rate
- See Mud lumps
- See Mud volcanoes

Mud flow rate

- Use Circulating rate

Mud logging

- BT1 Well logging
- RT Drilling fluids
- RT Gas analysis

Mud lumps

- BT1 Shale diapirs
- BT2 Diapirs

Mud volcanoes

- BT1 Shale diapirs

BT2 Diapirs

Mud weight

- BT1 Fluid properties
- BT2 Physical properties
- RT Density
- RT Drilling fluids

Muds

- Use Drilling fluids

Mudstone

- BT1 Clastic rocks
- BT2 Sedimentary rocks
- RT Sediment deposits
- RT Shale
- RT Siltstone

Municipal heating

- Use District heating

Muscovite

- BT1 Micas
- BT2 Silicate minerals

Mutation zone

MWD systems

- RT Drilling
- RT Well drilling
- RT Well logging
- See Downhole information systems
- See Measurements while drilling

Nagaoka

- See Nagaoka Plain

Nagaoka Plain

- BT1 Japan
- BT2 Asia

National

- See Government policies
- See National government
- See National organizations
- See Regulations
- See Yellowstone National

Park

National government

- RT Government policies
- RT Legislation
- RT Local government
- RT National organizations
- RT Regulations
- RT State government

National organizations

- NT1 US organizations
- RT National government

Natural

- See Exploitation
- See Gas production
- See Geophysical surveys
- See Geothermal resources
- See Hydrology
- See Hydrothermal systems
- See Interstitial water
- See Natural gas
- See Natural gas deposits
- See Natural gas fields
- See Natural gas industry
- See Natural gas wells
- See Natural occurrence
- See Natural recharge
- See Natural steam
- See Overdraft
- See Reservoir rocks
- See Resources
- See Salt domes
- See Stratigraphic traps
- See Structural traps
- See Traps

Geopressured Geothermal Bibliography

See Well completion

Natural gas

- BT1 Fossil fuels
- BT2 Fuels
- BT1 Fuel gas
- BT2 Fuels
- BT2 Gases
- RT Condensates
- RT Drilling rigs
- RT Gas caps
- RT Gas production
- RT Natural gas deposits
- RT Natural gas fields
- RT Natural gas industry
- RT Natural gas wells
- RT Public utilities
- RT Regulation
- Also see Exploitation
- Also see Geophysical surveys
- Also see Geothermal resources
- Also see Hydrology
- Also see Hydrothermal systems
- Also see Interstitial water
- Also see Natural gas wells
- Also see Natural occurrence
- Also see Natural recharge
- Also see Natural steam
- Also see Overdraft
- Also see Reservoir rocks
- Also see Resources
- Also see Stratigraphic traps
- Also see Structural traps
- Also see Traps
- Also see Well completion

Natural gas deposits

- BT1 Geologic deposits
- BT1 Reserves
- NT1 Natural gas fields
- RT Geophysical surveys
- RT Natural gas
- RT Natural gas industry
- RT Petroleum geology
- RT Resources
- RT Salt domes
- RT Stratigraphic traps
- RT Structural traps
- RT Traps

RT Well logging equipment

Natural gas fields

- BT1 Natural gas deposits
- BT2 Reserves
- BT2 Geologic deposits
- RT Natural gas
- RT Natural gas wells
- RT Reservoir fluids
- RT Reservoir rocks
- RT Well spacing

Natural gas industry

- BT1 Industry
- RT Exploitation
- RT Natural gas
- RT Natural gas deposits

Natural gas liquids

Natural gas production
Use Gas production

Natural gas wells

- BT1 Wells
- RT Abandoned wells
- RT Blowout preventers
- RT Gas production
- RT Interstitial water
- RT Natural gas
- RT Natural gas fields
- RT Wellhead prices
- RT Well completion
- RT Wellheads

Natural occurrence

RT Anthropogenic occurrence

Natural recharge

- BT1 Ground water recharge
- RT Hydrology
- RT Overdraft

Natural resources

Use Resources

Natural steam

- BT1 Geothermal fluids
- BT2 Fluids
- RT Geothermal resources
- RT Hydrothermal systems

Needs

See Information needs

Neogene Epoch

- BT1 Tertiary Period
- BT2 Cenozoic Era

BT3 Geologic times

Neon

BT1 Rare gases
BT2 Nonmetals

Net energy

RT Efficiency
RT Energy accounting
RT Energy consumption
RT Energy yield
RT Productivity

Net sand maps

BT1 Facies maps
BT2 Stratigraphic maps
RT Sand percent maps
RT Sand trend maps

Net sand thickness

Use Formation thickness

Neutral pressure

Use Pore pressure

Neutral stress

Use Pore pressure

Neutron

See Neutron logging

Neutron logging

BT1 Radioactivity logging
BT2 Well logging

Nevada

BT1 USA
BT2 North America

New Guinea

BT1 Australasia
RT Australia
RT New Zealand

New Mexico

BT1 USA
BT2 North America
NT1 Jemez Mountains
NT1 Valles Caldera
Geothermal Field
RT Rio Grande Rift

New Zealand

BT1 Australasia
NT1 Wairakei Geothermal
Field

RT New Guinea

Newton/sq

See High pressure
See Low pressure
See Standard pressure

Nickel

BT1 Transition elements
BT2 Metals

Nigeria

BT1 Africa
BT2 Continents

Nitrogen

BT1 Nonmetals
BT2 Elements

Nitrogen inorganic compounds

RT Ammonia

Nmr

Also see Nuclear magnetic
logging
Use Nuclear magnetic
resonance

Noble

See Rare gases

Noise

RT Noise pollution abatement
RT Sound waves
Also see Microseisms
Also see Noise pollution
Also see Noise pollution
control

Noise pollution

BT1 Pollution
RT Noise pollution abatement
RT Noise pollution control

Noise pollution abatement

BT1 Abatement
RT Noise
RT Noise pollution
RT Noise pollution control

Noise pollution control

BT1 Pollution control
BT2 Control
RT Noise pollution
RT Noise pollution abatement

Nonaqueous

See Aqueous solutions

Geopressured Geothermal Bibliography

- See Nonaqueous solutions
- Nonaqueous solutions**
 - BT1 Solutions
 - RT Aqueous solutions
- Nonclastic**
 - See Nonclastic rocks
- Nonclastic rocks**
 - BT1 Sedimentary rocks
 - BT2 Rocks
 - NT1 Chert
 - NT1 Dolomite rocks
 - NT1 Evaporites
 - RT Limestone
- Noncondensable**
 - See Noncondensible gases
- Noncondensable gases**
 - Use Noncondensible gases
- Noncondensible**
 - See Noncondensible gases
- Noncondensible gases**
 - BT1 Gases
 - BT2 Fluids
- Nonelectrical**
 - See Direct energy utilization
- Nonelectrical applications**
 - Use Direct energy utilization
- Nonmetals**
 - BT1 Elements
 - NT1 Carbon
 - NT1 Halogens
 - NT1 Hydrogen
 - NT1 Nitrogen
 - NT1 Oxygen
 - NT1 Phosphorus
 - NT1 Rare gases
 - NT1 Sulfur
- Normal faults**
 - BT1 Faults
 - BT2 Geologic structures
- Norphlet Formation**
 - RT Louisiana
- RT Texas
- North America**
 - BT1 Continents
 - NT1 Gulf Coast
 - NT1 Mexico
 - NT1 Mississippi River
 - NT1 Rio Grande Rift
 - NT1 USA
- North Sea**
 - BT1 Atlantic Ocean
 - BT2 Seas
- Nozzles**
 - RT Flowmeters
 - RT Fluid flow
 - RT Jets
 - RT Pipe fittings
- Nuclear**
 - See Nuclear energy
 - See Nuclear explosives
 - See Nuclear magnetic logging
 - See Nuclear power plants
 - See Nuclear magnetic resonance
 - See Radioactivity logging
 - See Seismic events
- Nuclear energy**
 - BT1 Energy
 - RT Nuclear power plants
- Nuclear explosions**
 - BT1 Explosions
 - RT Seismic events
- Nuclear explosives**
 - BT1 Explosives
- Nuclear logging**
 - Use Radioactivity logging
- Nuclear magnetic logging**
 - BT1 Radioactivity logging
 - BT2 Well logging
 - RT Nuclear magnetic resonance
- Nuclear magnetic resonance**
 - BT1 Measuring methods
 - NT1 Crystallography
 - RT Nuclear magnetic logging
- Nuclear power**

Use Nuclear energy

Nuclear power plants

BT1 Thermal power plants

BT2 Power plants

RT Nuclear energy

Nueces County

BT1 Texas

BT2 Gulf Coast

Numerical

See Empirical equations

See Mathematical methods

See Mathematical models

See Mathematics

See Numerical analysis

See Numerical solution

Numerical analysis

BT1 Mathematics

NT1 Sensitivity analysis

RT Computer calculations

RT Mathematical methods

RT Numerical solution

Numerical solution

RT Calculation methods

RT Computer calculations

RT Mathematical models

RT Mathematics

RT Numerical analysis

Numerical solutions

RT Empirical equations

NMR logging

Use Nuclear magnetic logging

Use Rare gases

Observation wells

BT1 Wells

RT Aquifer tests

RT Injection wells

RT Well testing

RT Well interference

Obsidian

BT1 Pyroclastic rocks

BT2 Extrusive rocks

Occurrence

Also see Industry

Also see Natural occurrence

Use Anthropogenic occurrence

Ocean

See Atlantic Ocean

See Indian Ocean

See Ocean basins

See Ocean thermal power plants

See Ocean thermal energy conversion

See Pacific Ocean

See Rift valleys

See Sea bed

See Sea water

See Seas

See Submarine trenches

Ocean basins

BT1 Basins

BT2 Geologic structures

Ocean floor

Use Sea bed

Ocean ridges

RT Rift valleys

Ocean thermal energy conversion

BT1 Solar energy conversion

BT2 Energy conversion

RT Ocean thermal power plants

Ocean thermal power plants

BT1 Thermal power plants

BT2 Power plants

RT Ocean thermal energy conversion

Ocean trenches

Use Submarine trenches

Ocean water

Use Sea water

Use Seas

Oceanic crust

BT1 Earth crust

BT2 Earth planetary structure

RT Continental crust

RT Continental slopes

Geopressured Geothermal Bibliography

RT Sea floor spreading

Oceanography

RT Earth planet
RT Geography
RT Limnology
RT Marine geology
RT Seas
RT Surface waters

Oceans

Use Seas

Odor

RT Air pollution
RT Gaseous wastes
RT Water analysis

Office buildings

BT1 Commercial buildings
BT2 Buildings
RT Federal buildings

Offshore

See Coastal waters
See Marine surveys
See Offshore sites
See Seas
See Shores
See Site selection

Offshore sites

RT Coastal waters
RT Estuaries
RT Seas
RT Shores
RT Site selection

Offshore surveys

Use Marine surveys

Oil

See Fossil fuels
See Gas saturation
See Oil drilling
See Oil fields
See Oil production
See Oil saturation
See Oil shale
See Oil wells
See Petroleum
See Reservoir rocks
See Well completion

Oil drilling

BT1 Well drilling

BT2 Drilling

Oil fields

BT1 Petroleum deposits
BT2 Reserves
BT2 Geologic deposits
RT Oil wells
RT Petroleum
RT Reservoir fluids
RT Reservoir rocks
RT Well spacing

Oil production

BT1 Production
RT Oil wells
RT Water production
RT Well testing

Oil saturation

RT Gas saturation
RT Reservoir rocks
RT Water saturation

Oil shale

BT1 Shale
BT2 Clastic rocks
RT Fossil fuels
RT Kerogen

Oil wells

BT1 Wells
RT Abandoned wells
RT Blowout preventers
RT Blowouts
RT Interstitial water
RT Oil fields
RT Oil production
RT Petroleum
RT Reentry
RT Wellhead prices
RT Well completion
RT Well spacing
RT Wellheads

Oklahoma

BT1 USA
BT2 North America
RT Anadarko Basin
RT Morrow Formation

Oligocene

See Oligocene Epoch

Oligocene Epoch

BT1 Tertiary Period
BT2 Cenozoic Era

- RT Frio Formation
- Opal**
 - BT1 Silica minerals
 - BT2 Minerals
- Open-cycle systems**
 - RT Thermodynamic cycles
- Operation**
 - RT Maintenance
 - RT Production
- Opinion**
 - See Public opinion
- Optical**
 - See Optical properties
- Optical properties**
 - BT1 Physical properties
- Optimization**
 - RT Control
 - RT Performance testing
 - RT Planning
 - RT Profitability
- Ordovician**
 - See Ordovician Period
- Ordovician Period**
 - BT1 Paleozoic Era
 - BT2 Geologic times
- Oregon**
 - BT1 USA
 - BT2 North America
 - NT1 Klamath Falls KGRA
 - RT Coast ranges
- Organic**
 - See Organic compounds
 - See Organic matter
 - See Solid wastes
- Organic compounds**
 - NT1 Hydrocarbons
 - NT1 Methylene blue
 - RT Organic matter
- Organic materials**
 - Use Organic matter
- Organic matter**
 - NT1 Vitrinite
 - RT Organic compounds
- RT Solid wastes
- Organisms**
 - See Aquatic organisms
- Organizations**
 - See National government
 - See National organizations
 - See US organizations
- Origin**
- Orthoclase**
 - BT1 Feldspars
 - BT2 Silicate minerals
- Osmosis**
 - RT Diffusion
 - RT Mass transfer
 - RT Osmotic pressure
 - RT Permeability
 - RT Semipermeable membranes
- Osmotic**
 - See Osmosis
 - See Semipermeable membranes
 - See Thermodynamics
- Osmotic pressure**
 - RT Osmosis
 - RT Semipermeable membranes
 - RT Thermodynamics
- Overburden**
 - RT Earth mantle
 - RT Formation thickness
 - RT Geostatic pressure
 - RT Rock mechanics
 - RT Strata
- Overdraft**
 - RT Artificial recharge
 - RT Fluid withdrawal
 - RT Ground water
 - RT Ground water recharge
 - RT Natural recharge
- Overpressure**
 - Use Geopressure
- Overpressured**
 - See Geopressed reservoirs
- Overpressured reservoirs**
 - Use Geopressed reservoirs
- Overtaken folds**
 - BT1 Folds

Geopressured Geothermal Bibliography

BT2 Geologic structures

Ownership

- NT1 Mineral rights
- RT Industry
- RT Investment
- RT Land leasing
- RT Land use
- RT Legal aspects
- RT Management
- RT Mineral resources

Oxidation

- BT1 Redox reactions
- BT2 Chemical reactions
- RT Redox potential
- Also see Redox potential

Oxidation-reduction potential

- Use Redox potential

Oxide

- See Oxide minerals

Oxide minerals

- BT1 Minerals
- NT1 Gibbsite
- NT1 Hematite
- RT Oxides

Oxides

- BT1 Oxygen inorganic compounds
- NT1 Iron oxides
- RT Oxide minerals
- Also see Iron oxides

Oxygen

- BT1 Nonmetals
- BT2 Elements
- RT Dissolved gases
- Also see Oxygen inorganic compounds

Oxygen inorganic compounds

- NT1 Carbon dioxide
- NT1 Carbonates
- NT1 Oxides
- NT1 Sulfates

P waves

- Use Seismic p waves

Pacific Ocean

- BT1 Seas
- BT2 Surface waters

NT1 South China Sea

Packing

- See Gravel packing
- See Slurry packing

Pakistan

- BT1 Asia
- BT2 Continents

Paleocene

- See Paleocene Epoch

Paleocene Epoch

- BT1 Tertiary Period
- BT2 Cenozoic Era

Paleoecology

- RT Biostratigraphy
- RT Depositional environment
- RT Ecology
- RT Environment
- RT Paleontology

Paleomagnetism

- RT Geophysics

Paleontology

- RT Biostratigraphy
- RT Foraminifera
- RT Geochronology
- RT Geology
- RT Paleoecology
- RT Protozoa
- RT Sedimentology
- RT Stratigraphy

Paleopressure

- RT Geopressure

Paleozoic

- See Paleozoic Era

Paleozoic Era

- BT1 Geologic times
- NT1 Cambrian Period
- NT1 Carboniferous Periods
- NT1 Devonian Period
- NT1 Ordovician Period
- NT1 Permian Period
- NT1 Silurian Period

Paper

- RT Paper industry

Paper industry

- BT1 Industry

RT Paper

Parish

Also see Acadia Parish
Also see Calcasieu Parish
Also see Cameron Parish
Also see Iberia Parish
Also see Jefferson Davis
Parish
Also see Lafayette Parish
Also see St Mary Parish
Also see Vermillion Parish

Park

See Yellowstone National
Park

Particles

RT Sedimentation

Pascals

See High pressure
See Low pressure
See Standard pressure

Patents

BT1 Document types
RT Legal aspects
RT Licensing
RT Royalties
RT Specifications

Pecos

See Texas

Pegmatite

BT1 Intrusive rocks
BT2 Igneous rocks

Penetration

See Drilling rate
See Injection rates

Penetration rate

Use Drilling rate

Penetrators

NT1 Earth penetrators
NT1 Subterrene penetrators
Also see Rock drilling
Also see Well drilling

Pennsylvanian Period

BT1 Carboniferous Periods

BT2 Paleozoic Era

Pentane

BT1 Alkanes
BT2 Hydrocarbons

Percent

See Net sand maps
See Sand percent maps

Performance

RT Comparative evaluations
RT Efficiency
RT Feasibility studies
RT Performance testing
RT Reliability
Also see Inspection
Also see Materials testing
Also see Performance testing
Also see Productivity

Performance testing

BT1 Testing
RT Efficiency
RT Inspection
RT Materials testing
RT Optimization
RT Performance
RT Production testing
RT Productivity
RT Reliability
RT Well testing

Period

See Cambrian Period
See Cretaceous Period
See Devonian Period
See Jurassic Period
See Mississippian Period
See Ordovician Period
See Pennsylvanian Period
See Permian Period
See Quaternary Period
See Silurian Period
See Tertiary Period
See Triassic Period

Periods

See Carboniferous Periods

Permafrost

BT1 Soils

Geopressured Geothermal Bibliography

RT Frost

Permeability

- BT1 Physical properties
- RT Acidization
- RT Electrodialysis
- RT Formation damage
- RT Free water
- RT Hydraulic conductivity
- RT Leakage
- RT Lost circulation
- RT Osmosis
- RT Porosity
- RT Production rate
- RT Rock properties
- RT Semipermeable membranes
- Also see Acidization
- Also see Aquifers
- Also see Permeability barriers
- Also see Plugging
- Also see Stratigraphic traps
- Also see Well stimulation

Permeability barriers

- BT1 Geologic structures

Permeability restoration

- RT Acidization
- RT Aquifers
- RT Plugging
- RT Well stimulation

Permian

- See Permian Period

Permian Period

- BT1 Paleozoic Era
- BT2 Geologic times

Permits

- Use Licensing

Personnel

- RT Management
- RT Safety
- RT Working conditions

Petrochemical plants

BT1 Industrial plants

Petroleum

- BT1 Fossil fuels
- BT2 Fuels
- RT Drilling rigs
- RT Hydrocarbons
- RT Oil fields
- RT Oil wells
- RT Petroleum deposits
- RT Petroleum exploration
- RT Petroleum industry
- Also see Anticlines
- Also see Exploitation
- Also see Geophysical surveys
- Also see Petroleum deposits
- Also see Petroleum exploration
- Also see Petroleum industry
- Also see Resources
- Also see Salt domes
- Also see Stratigraphic traps
- Also see Structural traps
- Also see Traps

Petroleum deposits

- BT1 Geologic deposits
- BT1 Reserves
- NT1 Oil fields
- RT Anticlines
- RT Geophysical surveys
- RT Petroleum geology
- RT Petroleum
- RT Petroleum industry
- RT Resources
- RT Salt domes
- RT Stratigraphic traps
- RT Structural traps
- RT Traps
- RT Well logging equipment

Petroleum exploration

- BT1 Exploration
- RT Petroleum
- RT Petroleum industry

Petroleum geology

- BT1 Geology
- BT2 Economic geology
- RT Engineering geology
- RT Exploration
- RT Geochemical prospectus
- RT Natural gas deposits
- RT Petroleum deposits
- RT Petroleum industry
- RT Petrology
- RT Reservoir engineering
- RT Stratigraphy

RT Well logging

Petroleum industry

BT1 Industry
RT Exploitation
RT Petroleum geology
RT Petroleum
RT Petroleum deposits
RT Petroleum exploration

Petrology

BT1 Geology
NT1 Sedimentary petrology
RT Igneous rocks
RT Lithology
RT Metamorphic rocks
RT Petroleum geology

Ph

See Aqueous solutions
See Chemical reactions
See Ph adjustment
See Ph value

Ph adjustment

RT Acidization
RT Brine treatment
RT Ph dependence
RT Ph value

Ph dependence

RT Chemical reactions
RT Ph adjustment
RT Ph value

Ph value

BT1 Chemical properties
RT Aqueous solutions
RT Chemical composition
RT Ph adjustment
RT Ph dependence

Phanerite

Use Phaneritic rocks

Phaneritic

See Phaneritic rocks

Phaneritic rocks

BT1 Igneous rocks
BT2 Rocks

Phase

See Flashing
See Liquid flow
See Phase transformations

See Two phase flow

Phase transformations

NT1 Boiling
NT1 Evaporation
NT1 Melting

Philippines

BT1 Asia

Phosphorus

BT1 Nonmetals
BT2 Elements

Photographs

RT Diagrams

Photometry

See Emission spectroscopy

Phreatic

See Ground water

Phreatic water

Use Ground water

Physical

See Physical properties
See Surface properties

Physical properties

NT1 Density
NT1 Electrical properties
NT1 Fluid properties
NT1 Freezing potential
NT1 Hydraulic conductivity
NT1 Mud weight
NT1 Optical properties
NT1 Permeability
NT1 Porosity
NT1 Rock properties
NT1 Rock drillability
NT1 Thermodynamic properties
NT1 Volume
RT Chemical properties
RT Hydrologic properties
RT Pressure measurement
RT Surface properties
RT Temperature measurement

Physiography

Use Geomorphology

Piestic water

Geopressured Geothermal Bibliography

Use Artesian water

Piezometers

BT1 Measuring instruments
RT Compressibility
RT Piezometry

Piezometry

BT1 Measuring methods
RT Piezometers
RT Pressure measurement

Pilot plants

BT1 Functional models
BT2 Models
RT Demonstration plants
RT Industrial plants

Pipe

See Nozzles
See Pipes

Pipe fittings

RT Nozzles
RT Pipes
RT Seals

Pipelines

RT Archaeological sites
RT Pipes

Pipes

NT1 Drill pipes
NT1 Transfer pipes
RT Pipe fittings
RT Pipelines
RT Well casings
Also see Drill pipes
Also see Drills
Also see Transfer pipes

Pitting

See Pitting corrosion

Pitting corrosion

BT1 Corrosion
BT2 Chemical reactions
RT Cavitation
RT Corrosion resistant

alloys

Plagioclases

BT1 Feldspars
BT2 Silicate minerals
NT1 Albite
NT1 Andesine

Plain

See Gulf Coast
See Nagaoka Plain

Planet

See Continental crust
See Earth atmosphere
See Earth core
See Earth crust
See Earth mantle
See Earth movements
See Earth planet
See Earth planetary structure
See Geography
See Geophysics
See Oceanography
See Topography

Planetary

See Earth planetary structure

Plankton

BT1 Aquatic organisms
BT2 Animals
BT2 Plants
RT Bacteria
RT Surface waters

Planning

RT Allocations
RT Construction
RT Demonstration programs
RT Design
RT Feasibility studies
RT Optimization
RT Production
RT Research programs
RT Site selection

RT Zoning

Plants

BT1 Biomass
 NT1 Aquatic organisms
 NT1 Sugar cane
 RT Agriculture
 RT Biology
 RT Crops
 Also see Combined cycle power plants
 Also see District heating
 Also see Fossil fuel power plants
 Also see Gas turbine power plants
 Also see Geothermal energy conversion
 Also see Hydroelectric power plants
 Also see Industrial plants
 Also see Nuclear power plants
 Also see Ocean thermal power plants
 Also see Pilot plants
 Also see Power generation
 Also see Power plants
 Also see Solar power plants
 Also see Space heating
 Also see Steam power plants
 Also see Steam turbine power generation
 Also see Thermal power plants
 Also see Tidal power plants
 Also see Wind power plants

Plants (industrial)

Use Industrial plants

Plants (power)

Use Power plants

Plasticity

BT1 Mechanical properties
 RT Deformation

Plate

See Earth crust
 See Plate tectonics
 See Rift valleys

See Volcanism

Plate tectonics

BT1 Tectonics
 BT2 Geology
 RT Benioff zones
 RT Continental drift
 RT Convection cells
 RT Earth crust
 RT Rift valleys
 RT Sea floor spreading
 RT Volcanism

Platinum

BT1 Transition elements
 BT2 Metals

Pleasant Bayou No. 1 Well

BT1 Texas
 BT2 USA
 BT3 North America

Pleasant Bayou No. 2 Well

BT1 Texas
 BT2 USA
 BT3 North America

Pleistocene

See Pleistocene Epoch

Pleistocene Epoch

BT1 Quaternary Period
 BT2 Cenozoic Era

Pliocene

See Pliocene Epoch

Pliocene Epoch

BT1 Tertiary Period
 BT2 Cenozoic Era

Plugging

RT Formation damage
 RT Fouling
 RT Permeability restoration
 RT Reaming
 RT Reservoir rocks
 RT Scaling
 RT Suspended solids
 RT Well stimulation

Plutonic

See Intrusive rocks
 See Juvenile water
 See Plutonic rocks

Plutonic rocks

BT1 Rocks

Geopressured Geothermal Bibliography

RT Intrusive rocks

Plutonic water

Use Juvenile water

Plutonium

BT1 Actinides

BT2 Metals

Plutons

Use Igneous intrusions

Polar

See Climates

See Polar regions

Polar regions

NT1 Arctic regions

RT Climates

Policies

See Government policies

Policy

Also see Allocations

Also see Economics

Also see Energy policy

Also see Environmental
policy

Also see Forecasting

Also see Government policies

Use Economic policy

Pollution

NT1 Air pollution

NT1 Land pollution

NT1 Noise pollution

NT1 Thermal pollution

NT1 Water pollution

RT Aquifer rehabilitation

RT Chemical effluents

RT Environment

RT Pollution law

RT Pollution regulations

RT Pollution control

equipment

RT Wastes

Also see Air pollution
abatement

Also see Air pollution
control

Also see Air pollution
monitors

Also see Environmental
impact statements

Also see Gaseous wastes

Also see Government policies

Also see Land pollution
abatement

Also see Land pollution
control

Also see Noise pollution
abatement

Also see Noise pollution
control

Also see Pollution control
equipment

Also see Pollution control

Also see Pollution law

Also see Pollution
regulations

Also see Scrubbers

Also see Temperature effects

Also see Waste heat

Also see Water pollution
abatement

Also see Water pollution
control

Pollution control

BT1 Control

NT1 Air pollution control

NT1 Land pollution control

NT1 Noise pollution control

NT1 Water pollution control

RT Pollution control

equipment

Pollution control equipment

BT1 Equipment
 NT1 Scrubbers
 RT Air pollution abatement
 RT Pollution
 RT Pollution control
 RT Water pollution abatement

Pollution law

BT1 Laws
 RT Environmental impact statements
 RT Government policies
 RT Pollution
 RT Pollution regulations

Pollution regulations

BT1 Regulations
 RT Pollution
 RT Pollution law

Polonium

BT1 Metals
 BT2 Elements

Polymerization

BT1 Chemical reactions
 RT Polymers

Polymers

NT1 Elastomers
 RT Polymerization

Ponds

See Cooling
 See Cooling ponds
 See Cooling systems
 See Lakes

Pools

See Swimming pools

Populations

NT1 Human populations
 RT Biosphere
 RT Communities
 RT Ecosystems
 RT Environment
 Also see Demography
 Also see Rural populations
 Also see Sociology
 Also see Socio-economic factors

Also see Urban populations

Pore

See Interstitial water
 See Pore pressure
 See Reservoir pressure

Pore fluid

Use Interstitial water

Pore fluid pressure

Use Reservoir pressure

Pore pressure

BT1 Hydrostatic pressure
 BT2 Hydropressure
 RT Capillary pressure
 RT Interstitial water

Pore water

Use Interstitial water

Porosity

BT1 Physical properties
 RT Chemisorption
 RT Compaction
 RT Isoporosity maps
 RT Leakage
 RT Lost circulation
 RT Permeability
 RT Porosity trends
 RT Porous media
 RT Rock properties

Porosity trends

BT1 Trends
 RT Isoporosity map
 RT Porosity

Porous

See Porosity
 See Semipermeable membranes

Porous media

RT Hydraulic conductivity
 RT Porosity
 RT Semipermeable membranes

Porphyritic

See Porphyritic rocks

Porphyritic rocks

BT1 Igneous rocks
 BT2 Rocks

Porphyry

Geopressured Geothermal Bibliography

Use Porphyritic rocks

Possibilities

RT Forecasting

Post depositional process

Use Burial

Potable

See Drinking water

Potable water

Use Drinking water

Potassium

BT1 Alkali metals

BT2 Metals

Potential

See Electric potential

See Electric power

See Freezing potential

See Kinetic energy

See Oxidation

See Potential energy

See Power potential

See Redox potential

See Redox reactions

See Reduction

See Self potential surveys

See Sp logging

Potential energy

BT1 Energy

RT Energy recovery

RT Kinetic energy

Power

NT1 Electric power

RT Power range 100-1000gw

RT Power range 100-1000kw

RT Power range 100-1000mw

RT Power range 10-100gw

RT Power range 10-100mw

RT Power range 10-100kw

RT Power range 1-10gw

RT Power range 1-10kw

RT Power range 1-10mw

Also see Binary cycle power generation

Also see Brayton cycle

Also see Combined cycle power plants

Also see Combined cycle power generation

Also see Electric power

Also see Electric power industry

Also see Fossil fuel power plants

Also see Gas turbine power plants

Also see Gas turbine power generation

Also see Geothermal power plants

Also see Geothermal energy conversion

Also see Hydroelectric power plants

Also see Nuclear energy

Also see Nuclear power plants

Also see Ocean thermal power plants

Also see Power generation

Also see Power plants

Also see Power potential

Also see Public utilities

Also see Rankine cycle

Also see Solar power plants

Also see Steam power plants generation

Also see Thermal power plants

Also see Thermodynamic cycles

Also see Tidal power

Also see Tidal power plants

Also see Wind energy

Also see Wind power plants

Power cycles

Use Thermodynamic cycles

Power generation

NT1 Binary cycle power generation
 NT1 Co-generation
 NT1 Combined cycle power generation
 NT1 Gas turbine power generation
 NT1 Steam turbine power generation
 RT Brayton cycle power systems
 RT Electric generators
 RT Electric power
 RT Geothermal energy conversion
 RT Power plants
 RT Public utilities
 RT Rankine cycle power systems
 RT Thermodynamic cycles

Power plants

NT1 Hydroelectric power plants
 NT1 Solar power plants
 NT1 Thermal power plants
 NT1 Tidal power plants
 NT1 Wind power plants
 RT Cooling towers
 RT Electric power
 RT Electric power industry
 RT Power generation

Power potential

RT Electric power

Power production

Use Power generation

Power range 1-10gw

RT Power

Power range 1-10kw

RT Power

Power range 1-10mw

RT Power

Power range 10-100gw

RT Power

Power range 100-1000gw

RT Power

Power transmission

RT Electric power
 RT Hybrid systems

Precambrian

See Precambrian Eras

Precambrian Eras

BT1 Geologic times

Precipitated

See Evaporites

Precipitation

BT1 Separation processes
 RT Crystallization
 RT Deposition
 RT Evaporites
 RT Ion exchange
 RT Saturation
 RT Solubility
 RT Supersaturation

Precipitations

See Atmospheric precipitations

Precipitations (atmospheric)

Use Atmospheric precipitations

Prediction

Use Forecasting

Preparation

See Site selection

Presidio County

BT1 Texas

Geopressured Geothermal Bibliography

BT2 Gulf Coast

Pressure

See Artesian pressure
See Back pressure
See Bottom hole pressure
See Differential pressure
See Elevated pressure
See Flow rate
See Fluid flow
See Fluid pressure
See Geopressure
See Geopressured reservoirs
See Geostatic pressure
See Hazards
See High pressure
See Hydrodynamic pressure
See Hydrostatic pressure
See Injection rates
See Injection wells
See Interstitial water
See Isopiestic measurement
See Kicks
See Low pressure
See Measuring instruments
See Moderate pressure
See Osmosis
See Physical properties
See Pore pressure
See Pressure buildup
See Pressure control
See Pressure decline
See Pressure drop
See Pressure gages
See Pressure gradients
See Pressure measurement
See Pressure release
See Reservoir pressure
See Semipermeable membranes
See Standard pressure
See Subnormal formation pressure
See Thermodynamics
See Vapor pressure
See Volatility
See Well head pressure
See Wells

**Pressure (< 1.0 E05
newton/sq m)**

Use Standard pressure

Pressure (< 1.02 kg/sq m)
Use Low pressure

Pressure (< 1.45 E01 psi)

Use Low pressure

**Pressure (> 5.0 E07
newton/sq m)**

Use High pressure

Pressure (> 5.1 E02 kg/sq m)
Use High pressure

Pressure (> 7.25 E04 psi)
Use High pressure

Pressure (<1 bar)
Use Low pressure

Pressure (>500 bar)
Use High pressure

Pressure (back)
Use Back pressure

Pressure (bottom hole)
Use Bottom hole pressure

Pressure (differential)
Use Differential pressure

Pressure (fluid)
Use Fluid pressure

Pressure (geostatic)
Use Geostatic pressure

Pressure (pore)
Use Pore pressure

Pressure (vapor)
Use Vapor pressure

Pressure (well head)
Use Well head pressure

Pressure (1 bar)
Use Standard pressure

**Pressure (1.0 E04-5.0 E07
Newton/SQ M)**
Use Elevated pressure

**Pressure (1.0 E05 newton/sq
m)**
Use Standard pressure

Pressure (1.0 E05 pascals)
Use Standard pressure

**Pressure (1.0 E05-1.0 E07
pascals)**

- Use Elevated pressure
- Pressure (1.01 E07-5.0 E07 pascals)**
 - Use Moderate pressure
- Pressure (1.02 kg/sq m)**
 - Use Standard pressure
- Pressure (1.02-1.02 E02 kg/sq m)**
 - Use Moderate pressure
- Pressure (1.03-5.1 E02 kg/sq m)**
 - Use Elevated pressure
- Pressure (1.45 E01 psi)**
 - Use Standard pressure
- Pressure (1.45 E01-1.45 E03 psi)**
 - Use Moderate pressure
- Pressure (1.465 E03-7.252 E04 psi)**
 - Use Elevated pressure
- Pressure (1-100 bar)**
 - Use Moderate pressure
- Pressure (101-500 bar)**
 - Use Elevated pressure
- Pressure buildup**
- Pressure control**
 - BT1 Control
 - RT Isopiestic measurement
 - RT Pressure measurement
- Pressure decline**
 - RT Drawdown
 - RT Time dependence
- Pressure dependence**
 - RT Elevated pressure
 - RT High pressure
 - RT Isopiestic measurement
 - RT Low pressure
 - RT Moderate pressure
 - RT Standard pressure
- Pressure drawdown**
- Use Pressure decline
- Pressure drop**
 - RT Flow rate
 - RT Fluid flow
 - RT Isopiestic measurement
 - RT Pressure gradients
 - RT Pressure release
- Pressure gradients**
 - NT1 Geopressure gradients
 - RT Differential pressure
 - RT Isopiestic measurement
 - RT Overburden pressure
 - RT Pressure drop
 - RT Pressure measurement
- Pressure guages**
 - BT1 Measuring instruments
 - RT Pressure measurement
- Pressure kicks**
 - Use Kicks
- Pressure measurement**
 - BT1 Measurement
 - RT Bottom hole pressure
 - RT Isopiestic measurement
 - RT Measuring instruments
 - RT Physical properties
 - RT Piezometry
 - RT Pressure control
 - RT Pressure gages
 - RT Pressure gradients
- Pressure release**
 - RT Blowouts
 - RT Hazards
 - RT Isopiestic measurement
 - RT Pressure drop
- Pressure seals**
- Preventers**
 - See Blowout preventers
 - See Blowouts
 - See Natural gas wells
 - See Oil wells
- Prices**
 - Use Charges
- Proceedings**
 - BT1 Document types

Geopressed Geothermal Bibliography

RT Meetings

Process

- See Burial
- See Direct energy utilization
- See Frasch sulfur process
- See Industrial heating
- See Process heat

Process heat

- BT1 Heat
- BT2 Energy
- RT Direct energy utilization
- RT Industrial heating

Processes

- See Geologic processes
- See Recovery processes
- See Refining
- See Separation processes

Processing

- NT1 Data processing
- NT1 Refining
- NT1 Waste processing
- Also see Computers
- Also see Data
- Also see Data analysis
- Also see Liquid wastes
- Also see Radioactive wastes
- Also see Recovery processes
- Also see Scrubbers
- Also see Waste processing

Producing

- See Producing wells

Producing wells

- BT1 Wells

Production

- NT1 Gas production
- NT1 Mineral production
- NT1 Oil production
- NT1 Sand production
- NT1 Water production
- RT Operation
- RT Planning
- RT Production rate
- RT Productivity
- Also see Power generation
- Also see Production logging

Production decline curve

- BT1 Graphs
- RT Well data
- See Decline curve analysis

See Production decline rate

Production logging

- BT1 Well logging

Production rate

- BT1 Rates
- RT Permeability
- RT Production
- RT Productivity
- RT Production testing
- RT Reservoir pressure
- RT Well testing

Production testing

- BT1 Well testing
- BT2 Testing
- RT Gas production
- RT Performance testing
- RT Productivity
- RT Production rate
- RT Water production

Productivity

- RT Efficiency
- RT Energy yield
- RT Feasibility studies
- RT Net energy
- RT Performance testing
- RT Production rate
- RT Production testing
- RT Production

Products

- See Anthropogenic occurrence
- See Corrosion
- See Corrosion monitoring
- See Desalination
- See Economics
- See Industry
- See Recovery processes

Profitability

- RT Evaluation
- RT Financial incentives
- RT Income
- RT Investment
- RT Optimization
- See Rate of Return

Profits

- RT Charges
- RT Economics
- RT Income

Programming

- RT Computer codes

RT Computers

Programs

See Commercialization
See Computer codes
See Information needs
See Planning
See Research programs
See Reviews

Programs (computer)

Use Computer codes

Programs (research)

Use Research programs

Propagation

See Wave propagation

Propagation (wave)

Use Wave propagation

Propane

BT1 Alkanes
BT2 Hydrocarbons

Properties

See Chemical properties
See Elasticity
See Electrical properties
See Engineering
See Fracture properties
See Geopressured reservoirs
See Mechanical properties
See Optical properties
See Physical properties
See Reservoir engineering
See Reservoir properties
See Rheology
See Rock properties
See Shear properties
See Strains
See Stresses
See Surface properties
See Tensile properties
See Thermodynamic properties
See Well characteristics

Prospecting

Also see Aerial surveys
Use Exploration

Protection

See Corrosion
See Corrosion monitoring
See Corrosion protection
See Crevice corrosion

See US EPA

Protozoa

BT1 Microorganisms
BT1 Invertebrates
BT2 Animals
NT1 Foraminifera
RT Paleontology

Provinces

See Geologic provinces

Psi

See High pressure
See Low pressure
See Standard pressure

Public

See Human populations
See KGRAs
See Land leasing
See Management
See Natural gas
See Power generation
See Public buildings
See Public health
See Public lands
See Public opinion
See Public utilities
See Reserves
See Sociology

Public attitudes

Use Public opinion

Public buildings

BT1 Buildings
RT Federal buildings

Public health

RT Communities
RT Human populations

Public lands

NT1 Yellowstone National
Park
RT KGRAs
RT Land leasing
RT Land use
RT Recreational facilities
RT Reserves

Public opinion

RT Public relations

Public relations

RT Management
RT Public opinion

Geopressured Geothermal Bibliography

RT Sociology

Public utilities

RT Electric power
RT Natural gas
RT Power generation

Pumice

BT1 Pyroclastic rocks
BT2 Extrusive rocks

Pump tests

Use Aquifer tests

Pumping

RT Dewatering
RT Wells

Pumps

NT1 Downhole pumps
NT1 Injection pumps
RT Compressors
RT Gas ejectors
Also see Injection pumps
Also see Well design

Purification

See Water treatment

Pyrite

BT1 Sulfide minerals
BT2 Minerals

Pyrites

Also see Chalcopyrite
Also see Pyrite
Use Sulfide minerals

Pyroclastic

See Pyroclastic rocks
See Volcanism

Pyroclastic rocks

BT1 Extrusive rocks
BT2 Igneous rocks
NT1 Obsidian
NT1 Pumice
NT1 Tuff
RT Volcanism

Pyrophyllite

BT1 Silicate minerals
BT2 Minerals

Pyroxenes

BT1 Silicate minerals

BT2 Minerals

Qualitative

See Chemical analysis
methods
See Chemical composition
See Chemistry
See Gas analysis
See Measuring methods
See Qualitative chemical
analysis

Qualitative chemical analysis

BT1 Chemical analysis
BT2 Analysis
RT Chemical analysis methods
RT Chemical composition
RT Chemistry
RT Gas analysis
RT Measuring methods

Quality

See Air
See Air pollution
See Drinking water
See Water
See Water pollution
See Water quality
See Water treatment

Quantitative

See Chemical analysis
methods
See Chemical composition
See Chemistry
See Gas analysis
See Gas chromatography
See Measuring methods
See Quantitative chemical
analysis

Quantitative chemical analysis

BT1 Chemical analysis
BT2 Analysis
RT Chemical analysis methods
RT Chemical composition
RT Chemistry
RT Gas analysis
RT Gas chromatography
RT Measuring methods

Quartz

BT1 Silica minerals
BT2 Minerals
RT Sandstone
RT Siltstone

Quaternary

See Quaternary Period

Quaternary Period

BT1 Cenozoic Era
BT2 Geologic times
NT1 Pleistocene Epoch
NT1 Recent Epoch

Queen City Formation

RT Louisiana
RT Texas

Radiation

See Electromagnetic radiation
See Gamma radiation
See Gamma ray logging
See Gamma spectroscopy

Radiators

RT Heating

Radioactive

See Radioactive wastes

Radioactive wastes

BT1 Wastes
RT Contamination
RT Salt deposits
RT Waste disposal
RT Waste management
RT Waste processing

Radioactivity

RT Contamination
Also see Radioactivity logging
Also see Radioactivity surveys

Radioactivity logging

BT1 Well logging
NT1 Gamma-Gamma logging
NT1 Gamma ray logging
NT1 Neutron logging

Radioactivity surveys

BT1 Geophysical surveys
BT2 Exploration methods
NT1 Gamma ray surveys

Radiometric

See Radiometric surveys

Radiometric surveys

BT1 Geophysical surveys

BT2 Exploration methods

Radium

BT1 Alkaline earth metals
BT2 Metals

Radon

BT1 Rare gases
BT2 Nonmetals

Raft River

See Raft River KGRA

Raft River KGRA

BT1 KGRAs
BT1 Idaho
BT2 USA
BT3 North America
RT Geothermal fields

Rain

BT1 Atmospheric precipitations
BT2 Meteorology
RT Rain water
RT Snow
RT Storms
Also see Rain water

Rain water

BT1 Water
RT Rain
RT Water resources

Range

See Power

Ranges

See California
See Coast ranges
See Oregon

Rankin County

BT1 Mississippi
BT2 Gulf Coast

Rankine

See Power generation
See Rankine cycle
See Steam turbine power generation

Rankine cycle

BT1 Thermodynamic cycles
RT Rankine cycle power systems
RT Steam turbine power

Geopressured Geothermal Bibliography

Use Overburden

Regulations

- NT1 Pollution regulations
- NT1 Zoning
- RT Agreements
- RT Compliance
- RT Deregulation
- RT Enforcement
- RT Implementation
- RT Land leasing
- RT Laws
- RT Legal aspects
- RT Legislation
- RT Licensing
- RT Local government
- RT National government
- RT Recommendations
- RT Regulatory guides
- RT Safety standards
- RT Specifications
- RT State government
- Also see Pollution
- Also see Pollution law

Regulatory

- See Recommendations
- See Regulations

Regulatory guides

- RT Recommendations
- RT Regulations

Rehabilitation

- See Aquifers

Reinjection

- Also see Injection wells
- Use Artificial recharge

Reinjection wells

- Use Injection wells

Relations

- See Management
- See Public opinion
- See Sociology

Release

- See Hazards
- See Isopiestic measurement

See Pressure release

Reliability

- RT Failures
- RT Hazards
- RT Performance
- RT Performance testing
- RT Specifications
- RT Systems analysis

Remote

- See Aerial surveys
- See Infrared surveys
- See Remote control

Remote control

- BT1 Control
- RT Monitoring

Remote sensing

- RT Aerial surveys
- RT Infrared surveys

Republics

- See USSR

Requirements (land)

- Use Land requirements

Requirements (water)

- Use Water requirements

Research

- See Information needs
- See Planning
- See Research programs
- See Reviews
- See US ERDA

Research programs

- RT Demonstration programs
- RT Information needs
- RT Planning
- RT Reviews

Reserves

- NT1 Coal reserves
- NT1 Energy reserves
- NT1 Natural gas deposits
- NT1 Petroleum deposits
- RT Energy supplies
- RT Exploitation
- RT Formation testing
- RT Geothermal resources
- RT Public lands
- RT Resources
- Also see Availability

Also see Coal

Reservoir

- See Bottom hole pressure
- See Compaction
- See Formation thickness
- See Gas saturation
- See Geopressured reservoirs
- See Hydrostatic pressure
- See Plugging
- See Reservoir engineering
- See Reservoir pressure
- See Reservoir properties
- See Reservoir rocks
- See Reservoir temperature
- See Well characteristics
- See Well information systems
- See Well logging

Reservoir characteristics

- Use Reservoir properties

Reservoir compaction

- Use Compaction

Reservoir description

- RT Well information systems
- RT Well logging

Reservoir engineering

- BT1 Engineering
- NT1 Well stimulation
- RT Compaction
- RT Formation testing
- RT Geopressured reservoirs
- RT Geothermal reservoirs
- RT Hydraulic fracturing
- RT Petroleum geology
- RT Reservoir properties
- RT Reservoir rocks
- RT Water reservoirs
- RT Well testing

Reservoir fluids

- BT1 Fluids
- RT Natural gas fields
- RT Oil fields

Reservoir mechanics

- Use Reservoir engineering

Reservoir pressure

- BT1 Reservoir properties
- RT Bottom hole pressure
- RT Formation testing
- RT Geopressured reservoirs
- RT Geothermal reservoirs
- RT Hydrostatic pressure

RT Production rate

Reservoir properties

- NT1 Reservoir pressure
- NT1 Reservoir temperature
- RT Geopressured reservoirs
- RT Geothermal reservoirs
- RT Reservoir engineering
- RT Subsurface reservoirs
- RT Well characteristics
- RT Well data
- RT Well interference

Reservoir rock

- Use Reservoir rocks

Reservoir rocks

- BT1 Rocks
- NT1 Carbonate rocks
- NT1 Fractured reservoirs
- RT Gas saturation
- RT Interstitial water
- RT Natural gas fields
- RT Oil fields
- RT Oil saturation
- RT Plugging
- RT Reservoir engineering
- RT Sand
- RT Water saturation

Reservoir temperature

- BT1 Reservoir properties
- BT1 Subsurface temperature
- RT Bottom hole temperature
- RT Geopressured reservoirs
- RT Geothermal reservoirs
- RT Temperature logging
- RT Well characteristics

Reservoir thickness

- Use Formation thickness

Reservoirs

- See Aquifers
- See Fractured reservoirs
- See Fresh water
- See Geopressured reservoirs
- See Geothermal reservoirs
- See Magma
- See Magma reservoirs
- See Magma systems
- See Reservoir engineering
- See Reservoir pressure
- See Reservoir properties
- See Reservoir temperature
- See Subsurface reservoirs
- See Volcanism

Geopressured Geothermal Bibliography

- See Water reservoirs
- Reservoirs (geothermal)**
 - Use Geothermal reservoirs
- Reservoirs (magma)**
 - Use Magma reservoirs
- Reservoirs (subsurface)**
 - Use Subsurface reservoirs
- Reservoirs (water)**
 - Use Water reservoirs
- Residential**
 - See Residential buildings
- Residential buildings**
 - BT1 Buildings
 - NT1 Apartment buildings
 - NT1 Houses
- Residential structures**
 - Use Residential buildings
- Resistance**
 - See Corrosion
 - See Crevice corrosion
 - See Stainless steels
- Resistant**
 - See Corrosion
 - See Corrosion resistant alloys
 - See Pitting corrosion
- Resistivity**
 - See Electric conductivity
 - See Induction logging
 - See Resistivity logging
 - See Resistivity surveys
- Resistivity exploration**
 - Use Resistivity surveys
- Resistivity logging**
 - BT1 Electrical logging
 - BT2 Well logging
 - NT1 Laterolog
 - NT1 Microresistivity logging
 - RT Electrical surveys
 - RT Induction logging
- RT Sp logging
- Resistivity method**
 - Use Resistivity surveys
- Resistivity surveys**
 - BT1 Electrical surveys
 - BT2 Geophysical surveys
 - RT Induction logging
- Resonance**
 - See Nuclear magnetic logging
 - See Nuclear magnetic resonance
- Resource**
 - See Availability
 - See Energy conservation
 - See Energy consumption
 - See Exploration
 - See Geothermal resources
 - See KGRAs
 - See Resource assessment
 - See Resource conservation
 - See Resource depletion
 - See Resources
- Resource assessment**
- Resource availability**
 - Use Availability
- Resource conservation**
 - RT Energy conservation
 - RT Resources
- Resource depletion**
 - RT Availability
 - RT Energy consumption
 - RT Geothermal resources
- Resource development**
 - RT Energy source development
 - RT Resources
- Resource location**
 - Use Exploration
- Resource potential**
 - RT Energy source development
 - RT Exploration

RT Resources

Resources

NT1 Geothermal resources
 NT1 Mineral resources
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 RT Energy supplies
 RT Natural gas deposits
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 RT Reserves
 RT Resource development
 RT Resource potential
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 Also see Availability
 Also see Energy resources
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 Also see Ground water
 Also see KGRAs
 Also see Mineral rights
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 Also see Rain water
 Also see Rock mechanics
 Also see Subsurface waters
 Also see Surface waters
 Also see Water
 Also see Water management
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Restoration

See Acidization
 See Aquifers
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Results

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Resurgent water

Use Juvenile water

Retrieval

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Retrofitting

BT1 Construction
 RT Buildings

Return

See Profits

Return on investment

Use Profits

Revenue

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Reverse faults

Use Thrust faults

Reversed folds

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Reviews

BT1 Document types
 RT Research programs

Rheology

RT Creep
 RT Deformation
 RT Fluid flow
 RT Mechanical properties
 RT Viscosity

Rhyolite

BT1 Extrusive rocks
 BT2 Igneous rocks

Ridges

See Rift valleys

Rift

See Colorado
 See Fault systems
 See Faults
 See New Mexico
 See Rift valleys
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 See Tectonics

Rift valleys

BT1 Geologic structures
 RT Continental drift
 RT Fault systems
 RT Fault zones
 RT Faults
 RT Grabens
 RT Imperial Valley
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 RT Rio Grande Rift
 RT Tectonics
 RT Volcanism

Rights

See Legal aspects
 See Mineral rights

Geopressured Geothermal Bibliography

See Water resources

Rigs

- See Drill pipes
- See Drilling
- See Drilling equipment
- See Drills
- See Natural gas
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- See Well drilling

Rio Grande

- BT1 Rivers
- BT2 Streams

Rio Grande Embayment

- BT1 Texas
- BT2 Gulf Coast

Rio Grande Rift

- BT1 North America
- BT2 Continents
- RT Colorado
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Risk assessment

- RT Energy source development

Risks

- Use Hazards

River

- See Mississippi River
- See Raft River KGRA
- See USSR
- See Volga River

Rivers

- BT1 Streams
- BT2 Surface waters
- NT1 Mississippi River
- NT1 Rio Grande
- NT1 Volga River
- RT Deltas
- RT Drainage systems

RT Estuaries

Rock

- See Aquifers
- See Chemical reactions
- See Compaction
- See Compressibility
- See Drills
- See Ground subsidence
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- See Hot dry rock systems
- See Hydrothermal alteration
- See Hydrothermal systems
- See Mechanical properties
- See Reservoir rocks
- See Rock drilling
- See Rock failures
- See Rock matrix
- See Rock mechanics
- See Rock properties
- See Rocks
- See Salt domes
- See Traps

Rock characteristics

- Use Rock properties

Rock compaction

- Use Compaction

Rock compressibility

- Use Compressibility

Rock deformation

- BT1 Deformation
- RT Compression
- RT Ground subsidence
- RT Rock drillability
- RT Rock properties
- RT Rock shear
- RT Rock stresses
- RT Structural geology
- RT Tectonics
- See Diapirism
- See Faulting
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- See Salt tectonics

Rock drillability

- BT1 Rock properties
- BT2 Physical Properties
- RT Rock drilling
- RT Rock mechanics
- RT Rock shear
- RT Rock stresses
- RT Rock deformation
- RT Rock failures

RT Well drilling

Rock drilling

BT1 Drilling
RT Boreholes
RT Drills
RT Rock drillability
RT Subterrene penetrators
RT Well drilling

Rock failures

BT1 Failures
RT Faults
RT Rock drillability
RT Rock mechanics
RT Rock shear
RT Rock stress

Rock fluid interactions

RT Chemical reactions
RT Hydrothermal alteration
RT Hydrothermal systems
RT Rocks

Rock matrix

Rock mechanics

RT Field studies
RT Geothermal resources
RT Ground subsidence
RT Overburden
RT Rock drillability
RT Rock shear
RT Rock stresses
RT Rock failures
RT Rock properties
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RT Soil mechanics

Rock properties

BT1 Physical properties
NT1 Rock drillability
RT Chemical composition
RT Fracture properties
RT Hydrologic properties
RT Mechanical properties
RT Permeability
RT Porosity
RT Rock deformation
RT Rock stresses
RT Rock mechanics
RT Rocks
RT Sand shale ratio

Rock salt

Use Halite

Rock shear

BT1 Shear
RT Rock deformation
RT Rock drillability
RT Rock mechanics
RT Rock stress
RT Rock failures

Rock stresses

BT1 Stresses
RT Rock deformation
RT Rock drillability
RT Rock mechanics
RT Rock properties
RT Rock shear
RT Rock failures
See Formation stress
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Rocks

NT1 Igneous rocks
NT1 Metamorphic rocks
NT1 Plutonic rocks
NT1 Reservoir rocks
NT1 Sedimentary rocks
RT Cap rock
RT Geological setting
RT Lithification
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RT Rock mechanics
RT Rock properties
RT Traps
Also see Aphanitic rocks
Also see Carbonate minerals
Also see Carbonate rocks
Also see Clastic rocks
Also see Dolomite
Also see Dolomite rocks
Also see Evaporites
Also see Extrusive rocks
Also see Gas saturation
Also see Hot dry rock systems
Also see Intrusive rocks
Also see Nonclastic rocks
Also see Petrology
Also see Phaneritic rocks
Also see Plugging
Also see Porphyritic rocks
Also see Pyroclastic rocks
Also see Sedimentary petrology
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Rotary

See Rotary drilling

Rotary drilling

BT1 Well drilling
BT2 Drilling

Royalties

RT Cost
RT Income
RT Investment
RT Licensing
RT Patents

Rubidium

BT1 Alkali metals
BT2 Metals

Rural

See Rural populations

Rural areas

RT Rural populations

Rural populations

BT1 Human populations
BT2 Populations
RT Rural areas

S waves

Use Seismic s waves

Safeguards

RT Inspection
RT Legal aspects

Safety

RT Accidents
RT Blowouts
RT Failures
RT Fire hazards
RT Flammability
RT Hazards
RT Health hazards
RT Injuries
RT Personnel
RT Safety engineering
RT Safety standards
RT Working conditions
Also see Legal aspects
Also see Regulations
Also see Safety standards

Safety engineering

RT Safety

Safety standards

BT1 Standards
RT Legal aspects
RT Licensing
RT Recommendations
RT Regulations
RT Safety

Saint Mary Parish

Use St Mary Parish

Sales

Use Trade

Saline

See Brines
See Saline aquifers
See Salt water
See Waste disposal

Saline aquifers

BT1 Aquifers
BT2 Subsurface reservoirs
RT Aquicludes
RT Brines
RT Salts
RT Waste disposal

Saline water

Use Salt water

Salinity

BT1 Chemical properties
RT Brackish water
RT Brines
RT Chemical composition
RT Corrosion
RT Desalination
RT Dissolved solids
RT Estuaries
RT Salt water
RT Salts
RT Sea water
RT Solutions

Salt

See Anticlines
See Halite
See Radioactive wastes
See Salinity
See Salt deposits
See Salt domes
See Salt tectonics
See Salt water

See Water production

Salt content

Use Salinity

Salt deposits

BT1 Geologic deposits
NT1 Salt domes
RT Anticlines
RT Radioactive wastes
RT Underground disposal
RT Waste disposal

Salt domes

BT1 Salt deposits
BT2 Geologic deposits
RT Cap rock
RT Diapirism
RT Diapirs
RT Folds
RT Natural gas deposits
RT Petroleum deposits
RT Salt tectonics
RT Salts

Salt tectonics

BT1 Rock deformation
BT2 Deformation
RT Creep
RT Salt domes
RT Structural geology

Salt water

BT1 Water
NT1 Sea water
RT Brackish water
RT Brines
RT Drilling fluids
RT Fresh water
RT Salinity
RT Surface waters

Salt water production

Use Water production

Salton Sea

BT1 Lakes
BT2 Surface waters
BT1 Imperial Valley

BT2 California

Salts

NT1 Dissolved salts
RT Brines
RT Desalination
RT Dissolved solids
RT Halite
RT Saline aquifers
RT Salinity
RT Salt domes

Samarium

BT1 Rare earths
BT2 Metals

Sampling

NT1 Downhole sampling
NT1 Fluid sampling
RT Formation testing
RT Inspection
RT Measuring methods
RT Sampling methods
RT Testing

Sampling methods

RT Sampling

San Andreas Fault

BT1 California
BT2 USA
BT3 North America

San Joaquin

See San Joaquin Valley

San Joaquin Valley

BT1 California
BT2 USA
BT3 North America

Sand

RT Clay
RT Clay minerals
RT Reservoir rocks
RT Sandstone
RT Sediment deposits
Also see Facies maps
Also see Formation thickness
Also see Gravel packing
Also see Net sand maps
Also see Reservoir pressure
Also see Sand percent maps
Also see Sand production
Also see Sand trend maps

Sand control

RT Gravel packing

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RT Sand production

Sand percent maps

BT1 Facies maps
BT2 Stratigraphic maps
RT Net sand maps
RT Sand trend maps

Sand pressure

Use Reservoir pressure

Sand production

BT1 Production
RT Sand control
RT Sediments

Sand shale ratio

BT1 Rock composition
BT2 Composition
RT Facies
RT Rock properties
RT Sandstone

Sand thickness

Use Formation thickness

Sand trend maps

BT1 Trend maps
BT2 Stratigraphic maps
RT Facies maps
RT Net sand maps
RT Sand percent maps

Sandstone

BT1 Clastic rocks
BT2 Sedimentary rocks
RT Compaction
RT Interstitial water
RT Quartz
RT Sand shale ratio
RT Sand
RT Sediment deposits
RT Siltstone

Sandstones

Use Sandstone

Saturated

See Liquids
See Saturated vapor
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Saturated vapor

RT Liquids

RT Vapors

Saturation

NT1 Gas saturation
RT Chemical composition
RT Chemical equilibrium
RT Precipitation
RT Solubility
RT Solutions
RT Supersaturation
Also see Oil saturation
Also see Reservoir rocks

Scale

See Scale monitoring
See Scaling
See Scaling control

Scale composition

RT Scale monitoring
RT Scaling
RT Scaling control

Scale monitoring

BT1 Monitoring
RT Descaling
RT Scale composition
RT Scaling control

Scaling

BT1 Corrosion
BT2 Chemical reactions
RT Fouling
RT Plugging
RT Scale composition
RT Scaling control
RT Stress corrosion
Also see Scale monitoring
Also see Scaling control

Scaling control

BT1 Control
RT Scale composition
RT Scale monitoring
RT Scaling

Schist

BT1 Metamorphic rocks
BT2 Rocks

Schists

Use Schist

Scrubbers

BT1 Pollution control
equipment
BT2 Equipment
RT Air pollution
RT Air pollution abatement
RT Scrubbing
RT Waste processing

Scrubbing

RT Acidization
RT Scrubbers
RT Washing

Sea

See Arabian Sea
See Caribbean Sea
See Caspian Sea
See Earth crust
See Marine geology
See North Sea
See Ocean thermal power
plants
See Oceanic crust
See Plate tectonics
See Salinity
See Salton Sea
See Sea bed
See Sea floor spreading
See Sea water
See Seas
See Sediments
See Shores
See Solutions
See South China Sea
See Surface waters
See USSR

Sea bed

RT Earth crust
RT Marine geology
RT Seas
RT Sediments
RT Soil mechanics

Sea coast

Use Shores

Sea floor

Use Sea bed

Sea floor spreading

RT Earth crust
RT Oceanic crust
RT Plate tectonics

RT Seas

Sea water

BT1 Salt water
BT2 Water
RT Brines
RT Desalination
RT Estuaries
RT Salinity
RT Seas
RT Solutions
RT Surface waters

Seals

RT Pipe fittings

Seas

BT1 Surface waters
NT1 Atlantic Ocean
NT1 Indian Ocean
NT1 Pacific Ocean
RT Bays
RT Coastal waters
RT Continental slopes
RT Estuaries
RT Marine geology
RT Oceanography
RT Offshore sites
RT Sea bed
RT Sea floor spreading
RT Sea water
RT Shores
RT Tide

Seasonal

See Seasons

Seasonal variations

RT Seasons

Seasons

RT Atmospheric
precipitations
RT Climates
RT Meteorology
RT Seasonal variations
RT Weather

Sections

See Geologic cross sections
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Sediment

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See Sediment deposits

Sediment deposits

- BT1 Sediments
- NT1 Alluvial deposits
- RT Alluvium
- RT Deltas
- RT Geologic deposits
- RT Mudstone
- RT Sand
- RT Sandstone
- RT Sedimentation
- RT Sedimentology
- RT Siltstone

Sedimentary

- See Geologic structures
- See Sedimentary basins
- See Sedimentary petrology
- See Sedimentary rocks
- See Sedimentation
- See Sedimentology
- See Sediments
- See Stratigraphy

Sedimentary basins

- BT1 Basins
- BT2 Geologic structures
- RT Sediments
- RT Stratigraphy

Sedimentary petrology

- BT1 Petrology
- BT2 Geology
- RT Deposition
- RT Sedimentary rocks
- RT Sedimentary structures
- RT Sedimentation
- RT Sedimentology
- RT Stratigraphy

Sedimentary rocks

- BT1 Rocks
- NT1 Clastic rocks
- NT1 Limestone
- NT1 Nonclastic rocks
- RT Argillaceous rocks
- RT Carbonate rocks
- RT Lithification
- RT Lithology
- RT Sedimentary petrology

RT Sedimentology

Sedimentary structures

- RT Geologic structures
- RT Sedimentary petrology
- RT Sedimentation
- RT Sedimentology
- RT Sediments
- RT Stratigraphy

Sedimentation

- BT1 Geologic processes
- RT Accumulation rate
- RT Burial
- RT Deltas
- RT Deposition
- RT Depositional environment
- RT Particles
- RT Sediment deposits
- RT Sedimentary petrology
- RT Sedimentary structures
- RT Sediments

Sedimentation rate

Use Accumulation rate

Sedimentology

- BT1 Geology
- RT Lithification
- RT Paleontology
- RT Sediment deposits
- RT Sedimentary petrology
- RT Sedimentary rocks
- RT Sedimentary structures
- RT Sediments

Sediments

- NT1 Sediment deposits
- RT Alluvium
- RT Argillaceous rocks
- RT Catagenesis
- RT Deltas
- RT Depositional environment
- RT Geologic deposits
- RT Lithification
- RT Sand production
- RT Sea bed
- RT Sedimentary basins
- RT Sedimentary structures
- RT Sedimentation

RT Sedimentology

Seismic

- See Microseisms
- See Seismic detection
- See Seismic effects
- See Seismic events
- See Seismic p waves
- See Seismic reflection surveys
- See Seismic refraction surveys
- See Seismic s waves
- See Seismic surveys
- See Seismic waves
- See Seismology

Seismic detection

- RT Seismic s waves
- RT Seismicity
- RT Sonic logging

Seismic effects

- RT Seismic events
- RT Seismicity
- RT Shock waves

Seismic events

- NT1 Earthquakes
- RT Ground motion
- RT Nuclear explosions
- RT Seismic effects
- RT Seismic waves

Seismic noise

- RT Microseisms

Seismic p waves

- BT1 Seismic waves
- RT Seismic s waves
- RT Seismicity

Seismic reflection surveys

- BT1 Seismic surveys
- BT2 Geophysical surveys
- RT Seismic refraction surveys

Seismic refraction surveys

- BT1 Seismic surveys
- BT2 Geophysical surveys
- RT Seismic reflection

surveys

Seismic s waves

- BT1 Seismic waves
- RT Earthquakes
- RT Seismic detection
- RT Seismic p waves
- RT Seismic surveys
- RT Underground explosions

Seismic surveys

- BT1 Geophysical surveys
- BT2 Exploration methods
- NT1 Seismic reflection surveys
- NT1 Seismic refraction surveys
- RT Geothermal exploration
- RT Seismic s waves

Seismic waves

- NT1 Microseisms
- NT1 Rayleigh waves
- NT1 Seismic p waves
- NT1 Seismic s waves
- RT Earth movements
- RT Earthquakes
- RT Seismic events
- RT Seismicity
- RT Seismology
- RT Shock waves
- RT Travel time

Seismicity

- RT Seismic detection
- RT Seismic effects
- RT Seismic p waves
- RT Seismic waves
- RT Seismology

Seismographs

- BT1 Measuring instruments

Seismology

- RT Earth movements
- RT Earthquakes
- RT Geology
- RT Microseisms
- RT Seismic waves
- RT Seismicity
- RT Shock waves

Selection

- See Environment
- See Meteorology
- See Planning

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See Site selection

Selenium

BT1 Semimetals
BT2 Elements

Self potential logging

Use Sp logging

Self potential surveys

BT1 Electrical surveys
BT2 Geophysical surveys
RT Sp logging

Semimetals

BT1 Elements
NT1 Arsenic
NT1 Boron
NT1 Selenium
NT1 Silicon
NT1 Tellurium

Semipermeable

See Semipermeable membranes

Semipermeable membranes

RT Electrodialysis
RT Osmosis
RT Osmotic pressure
RT Permeability
RT Porous media

Sensing

Also see Aerial surveys
Also see Infrared surveys
Use Detection

Sensitivity

RT Accuracy
RT Calibration
RT Measuring instruments
RT Measuring methods

Separation

See Refining
See Separation processes

Separation processes

NT1 Chromatography
NT1 Demineralization
NT1 Electrodialysis
NT1 Filtration
NT1 Ion exchange
NT1 Leaching
NT1 Precipitation
RT Adsorption
RT Chemisorption
RT Refining

RT Steam separators

Separators

Also see Separation processes
Also see Steam condensers
Also see Vapors
Use Steam separators
Use Vapor separators

Sericite

BT1 Micas
BT2 Silicate minerals

Serpentine

Use Serpentine

Serpentines

BT1 Silicate minerals
BT2 Minerals

Setting

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See Geologic structures
See Geological surveys
See Hydrology
See Minerals
See Rocks

Shale

BT1 Clastic rocks
BT2 Sedimentary rocks
NT1 Oil shale
RT Mudstone
RT Sand shale ratio
RT Siltstone
Also see Fossil fuels
Also see Shale control
Also see Shale diapirs
Also see Water influx

Shale control

BT1 Control

Shale diapirs

BT1 Diapirs
BT2 Anticlines
NT1 Mud lumps
NT1 Mud volcanoes

Shale treatment

Use Shale control

Shale water influx

Use Water influx

Shear

BT1 Stresses
NT1 Rock shear
RT Tensile properties
Also see Rock failures
Also see Seismic s waves
Also see Shear properties

Shear properties

BT1 Mechanical properties

Shear strength

Use Shear properties

Shear stress

BT1 Stresses
RT Mechanical properties

Shear waves

Use Seismic s waves

Shelf

See Coastal waters
See Continents
See Marine geology

Shelters

See Animal shelters
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Shock waves

RT Earthquakes
RT Explosions
RT Ground motion
RT Seismic effects
RT Seismic waves
RT Seismology

Shooting

See Explosive stimulation

Shores

RT Coastal regions
RT Coastal waters
RT Lakes
RT Offshore sites
RT Seas

Shortite

BT1 Carbonate minerals
BT2 Minerals
BT1 Sodium minerals
BT2 Minerals

Shut in pressure

Use Reservoir pressure

Siderite

BT1 Carbonate minerals
BT2 Minerals

Silica

See Silica minerals

Silica minerals

BT1 Minerals
NT1 Chalcedony
NT1 Cristobalite
NT1 Opal
NT1 Quartz
NT1 Tridymite
RT Silicate minerals

Silicate

See Silica minerals
See Silicate minerals

Silicate minerals

BT1 Minerals
NT1 Amphiboles
NT1 Chlorite minerals
NT1 Clay minerals
NT1 Epidotes
NT1 Feldspars
NT1 Micas
NT1 Pyrophyllite
NT1 Pyroxenes
NT1 Serpentine
NT1 Zeolites
RT Silica minerals

Silicon

BT1 Semimetals
BT2 Elements

Sill intrusions

BT1 Concordant intrusions
BT2 Igneous intrusions

Silt

See Sand production

Silt production

Use Sand production

Siltstone

BT1 Clastic rocks
BT2 Sedimentary rocks
RT Mudstone
RT Quartz
RT Sandstone
RT Sediment deposits

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RT Shale

Silurian

See Silurian Period

Silurian Period

BT1 Paleozoic Era

BT2 Geologic times

Silver

BT1 Transition elements

BT2 Metals

Also see Silver inorganic compounds

Silver inorganic compounds

Simulation

NT1 Computerized simulation

RT Computer codes

RT Functional models

RT Mathematical models

RT Systems analysis

Site

See Environment

See Meteorology

See Planning

See Site selection

Site preparation

RT Site selection

Site selection

RT Accidents

RT Archaeological sites

RT Environment

RT Licensing

RT Meteorology

RT Offshore sites

RT Planning

RT Site preparation

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BT1 Metamorphic rocks

BT2 Rocks

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Slope stability

RT Soil mechanics

Slopes

See Continents

See Marine geology

See Oceanic crust

See Seas

Slurry packing

Smackover Formation

RT Louisiana

RT Mississippi

RT Texas

Snow

BT1 Atmospheric
precipitations

BT2 Meteorology

RT Frost

RT Rain

RT Storms

Social

See Sociology

See Socio-economic factors

Social impact

RT Sociology

RT Socio-economic factors

Socio-economic

See Economics

See Socio-economic factors

Socio-economic factors

RT Communities

RT Economic impact

RT Economics

RT Human populations

RT Social impact

RT Sociology

Sociology

NT1 Demography

RT Human populations

RT Public relations

RT Regional analysis

RT Social impact

RT Socio-economic factors

RT Urban populations

Sodium

BT1 Alkali metals

BT2 Metals

Also see Sodium chlorides

Also see Sodium inorganic compounds

Also see Sodium minerals

Also see Sodium sulfates

Sodium chlorides

BT1 Sodium inorganic compounds

BT1 Chlorides

BT2 Chlorine inorganic compounds

RT Halite

Sodium inorganic compounds

NT1 Sodium chlorides

NT1 Sodium sulfates

Sodium minerals

BT1 Minerals

NT1 Shortite

Sodium sulfates

BT1 Sodium inorganic compounds

BT1 Sulfates

BT2 Oxygen inorganic compounds

Soil

See Agriculture

See Consolidation

See Field studies

See Mechanical properties

See Rock mechanics

See Sea bed

See Slope stability

See Soils

Soil mechanics

RT Consolidation

RT Field studies

RT Mechanical properties

RT Rock mechanics

RT Sea bed

RT Slope stability

RT Soils

Soil warming

RT Agriculture

Soils

NT1 Permafrost

RT Agriculture

RT Soil mechanics

Solar

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See Solar energy

See Solar energy conversion

See Solar power plants

Solar energy

BT1 Energy

RT Solar energy conversion

RT Solar power plants

Solar energy conversion

BT1 Energy conversion

BT2 Conversion

NT1 Ocean thermal energy conversion

RT Solar energy

Solar power plants

BT1 Power plants

RT Solar energy

Solar sea power plants

Use Ocean thermal power plants

Solid solutions

BT1 Solutions

Solid wastes

BT1 Wastes

NT1 Mineral wastes

RT Chemical effluents

RT Dissolved solids

RT Organic matter

RT Waste disposal

Solidification

RT Crystallization

Solids

NT1 Dissolved solids

RT Crystals

RT Dispersions

Also see Plugging

Also see Waste disposal

Geopressured Geothermal Bibliography

Also see Water analysis

Solubility

- BT1 Chemical properties
- NT1 Vapor solubility
- RT Dissolved gases
- RT Dissolved solids
- RT Leaching
- RT Precipitation
- RT Saturation
- RT Solutions
- RT Solvents
- RT Supersaturation

Solution

- See Dissolved gases
- See Mathematical models
- See Mathematics
- See Numerical analysis
- See Numerical solution

Solution gases

- Use Dissolved gases

Solutions

- NT1 Aqueous solutions
- NT1 Brines
- NT1 Nonaqueous solutions
- NT1 Solid solutions
- RT Concentration dependence
- RT Corrosion
- RT Dissolved gases
- RT Dissolved solids
- RT Infinite dilution
- RT Interstitial water
- RT Mixtures
- RT Salinity
- RT Saturation
- RT Sea water
- RT Solubility
- RT Solvents
- RT Supersaturation
- Also see Empirical equations
- Also see Low concentration

Solvents

- RT Solubility
- RT Solutions

Sonic

- See Acoustic monitoring
- See Cement bond logging
- See Seismic detection
- See Sonic logging
- See Sound velocity

See Sound waves

Sonic logging

- BT1 Well logging
- RT Acoustic monitoring
- RT Cement bond logging
- RT Seismic detection
- RT Sound velocity
- RT Sound waves

Sonic velocity

- Use Sound velocity

Sound

- Also see Sound velocity
- Use Sound waves

Sound velocity

- BT1 Velocity
- RT Sonic logging
- RT Sound waves

Sound waves

- RT Noise
- RT Sonic logging
- RT Sound velocity

Sources

- See Energy
- See Energy sources
- See Heat flow
- See Heat sources

South America

- BT1 Continents

South China Sea

- BT1 Pacific Ocean
- BT2 Seas

Soviet

- See USSR

Soviet Union

- Use USSR

Sp

- See Induction logging
- See Resistivity logging
- See Sp logging

Sp logging

- BT1 Electrical logging
- BT2 Well logging
- RT Induction logging
- RT Resistivity logging

RT Self potential surveys

Space

See Direct energy utilization
See District heating
See Electric heating
See Geothermal space heating
See Hot water heating
See Space heating

Space heating

BT1 Heating
NT1 Geothermal space heating
RT Central heating plants
RT Direct energy utilization
RT District heating
RT Electric heating
RT Hot water heating

Spacing

See Drawdown
See Geopressured wells
See Geopressured zones
See Geothermal fields
See Geothermal wells
See Natural gas fields
See Oil fields
See Oil wells
See Well interference
See Wells

Specific

See Specific heat

Specific heat

BT1 Thermodynamic properties
BT2 Physical properties
RT Heat budget

Specifications

RT Design
RT Inspection
RT Patents
RT Regulations
RT Reliability
RT Standardization
RT Standards

Spectrometric

See Gamma spectroscopy
See Spectrometric surveys
See Spectroscopy

Spectrometric surveys

BT1 Geophysical surveys
BT2 Exploration methods
RT Gamma spectroscopy

RT Spectroscopy

Spectroscopy

BT1 Chemical analysis methods
BT2 Measuring methods
RT Spectrometric surveys
Also see Absorption spectroscopy
Also see Emission spectroscopy
Also see Gamma spectroscopy

Sphalerite

BT1 Sulfide minerals
BT2 Minerals

Sphalerites

Use Sphalerite

Spontaneous potential logging

Use Sp logging

Spreading

See Earth crust
See Oceanic crust
See Plate tectonics
See Sea floor spreading
See Seas

Springs

See Coso Hot Springs KGRA
See Ground water
See Hot springs
See Hydrothermal systems
See Mineral springs
See Thermal springs
See Thermal waters
See Warm springs
See Water springs

Springs (water)

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 - BT1 Igneous intrusions
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BT1 Rates
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RT Artesian aquifers
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Subterrene penetrators

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Sugar cane

BT1 Plants
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Sulfate minerals

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NT1 Alunite
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- See Radiometric surveys
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- See Plugging
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Suspended solids

- RT Dissolved solids
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- BT1 Surface waters

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- BT2 Geologic structures
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Synclinoria

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- BT1 Fuels
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- See Moderate temperature
- See Physical properties
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- See Temperature control
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- See Temperature gradients
- See Temperature logging
- See Temperature measurement
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- See Temperature surveys
- See Thermal insulation
- See Transition temperature
- See Well characteristics
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Temperature (>400 deg c)

- Use High temperature

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- Use Bottom hole temperature

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- Use Reservoir temperature

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Temperature (101-400 deg c)

- Use Elevated temperature

Temperature (25 deg c)

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- BT1 Control
- RT Temperature measurement
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- RT Thermal insulation

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- RT Elevated temperature
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- RT Standard temperature
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- BT1 Distribution
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- NT1 Geothermal gradients
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- RT Geothermometry
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- BT1 Gulf Coast
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- NT1 Brooks County
- NT1 Cameron County
- NT1 Corpus Christi Fairway
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- NT1 El Paso County
- NT1 G.M. Koelemay Well No. 1
- NT1 Galveston County
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- NT1 Jefferson County
- NT1 Kenedy County
- NT1 Kleberg County
- NT1 Live Oak County
- NT1 Matagorda Fairway
- NT1 Matagorda County
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- NT1 Pleasant Bayou No. 1 Well
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- NT1 Presidio County
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- NT1 Willacy County
- NT1 Zapata County
- RT Anadarko Basin
- RT Delaware Basin
- RT Frio Formation
- RT Gulf Coast
- RT Norphlet Formation
- RT Queen City Formation
- RT Rio Grande Rift
- RT Smackover Formation
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- RT Vicksburg Formation
- RT Wilcox Formation

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Texas Water Quality Board

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BT2 Elements

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Theoretical treatments

BT1 Document types
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- See Geothermal fluids
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- See Specific heat
- See Temperature effects
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- See Thermal efficiency
- See Thermal effluents
- See Thermal equilibrium
- See Thermal expansion
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- See Thermal insulation
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- See Thermal power plants
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Use Specific heat

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BT1 Heat transfer
BT2 Energy transfer
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BT2 Physical properties

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BT1 Equilibrium

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NT1 Fossil fuel power plants

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NT1 Carnot cycle

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NT1 Enthalpy

NT1 Specific heat

NT1 Thermal conductivity

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BT1 Measuring instruments

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RT Temperature measurement

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 - RT Geothermal energy conversion
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 - RT Economics
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- NT1 Melting point

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- BT1 Hydrogeologic properties
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- See Net sand maps
- See Sand percent maps
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- BT1 Silica minerals
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 - BT1 Pyroclastic rocks
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