



**Standard Oil & Gas Abbreviator**  
sixth edition



compiled by the

**ASSOCIATION OF  
DESK AND DERRICK  
CLUBS**



Standard Oil & Gas Abbreviator  
Sixth Edition

Compiled by  
the Association of  
Desk and Derrick Clubs



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**Universal Conversion Factors (CD-Rom Only)**

**Stratigraphic Nomenclature for Michigan (CD-Rom Only)**

## **Preface to the Sixth Edition**

As the energy and related industries continue to change in order to survive and continue to bring new technology to the forefront, so have the Association of Desk and Derrick Clubs. We are proud to be associated with the sixth edition of the D&D Standard Oil Abbreviator. It has become an indispensable tool within the oil and gas industry. Information included in this book has made writing tasks within energy and its related industries simpler, and has through the years added consistency to industry reports.

Since its inception the book has grown and now has several new sections. We are especially thankful to all of the energy and related industries that contributed to our sixth edition. There are five new sections included in this edition. They are as follows: Directional Survey Methods, Frequently Cited Additives, Frequently Cited Fluids, Lithology and Formation Names, MMS Two Digit Area Prefix Standards.

This book continues to be an ongoing tribute to the oil, gas, and energy industries that continue to develop and employ new technology. We are celebrating 55 years and hope to have fulfilled the need that our industry had in wanting an all-encompassing guide of terms used in the energy and allied industries.

Val Williams



## **Preface to the Fifth Edition**

The D&D Standard Oil Abbreviator is still a viable tool used by various individuals in the energy industries. New information has been added to this edition consistent to industry reports and writings.

New features for this edition include the full-color Michigan Stratigraphic Chart, and a fully electronic version of the D&D Abbreviator with the addition of Stephen Gerolde's Universal Conversion Factors on CD.

When the need for a fifth edition was announced, members of Desk and Derrick were asked to contribute any new changes, additions and deletions. As usual the members came through. I want to especially thank Elizabeth Dudley, Aramco Services Company; Dee Jansen, Stratland Exploration Company; Ellen Montgomery Coon, Great Lakes Directional Drilling; Mark Wollensack, Michigan Basin Geological Society and The Tulsa Geological Society for their input into this edition.

In this the 50<sup>th</sup> anniversary of the founding of Desk & Derrick we are proud to still be associated with such a publication as the D&D Standard Oil Abbreviator and proud to be a vital part of the Energy Industry.

Audrey M. Renegar



## **Preface to the Fourth Edition**

The D&D Standard Oil Abbreviator is an indispensable tool in the oil, gas, and energy industries. Information included in this book has made writing tasks within energy and its related industries simpler, and has through the years added consistency to industry reports.

The need for a fourth revision of this publication was announced in 1991. Immediately, all members of the Desk and Derrick Association were asked to contribute changes, additions, and/or deletions relating to their positions. Responses came not only from members, but also from industry businesses updating, correcting and adding according to each circumstance.

This fourth edition contains over 11,500 abbreviations and definitions used in energy-related industries.

Special thanks to Toni Stevens of Western Atlas International/Atlas Wireline Services (Anchorage, AK D&D) for her help in revising that portion of the Abbreviator; to Shirley Legaux (Lafayette, LA D&D) for the addition of the Federal Environmental Acronyms; Cindy Whitton (Tulsa, OK D&D), Ken Bell (Laurel, MS), Schlumberger Well Services, Marlene Meyers (Bakersfield, CA D&D), Linda Hill (New Orleans, LA D&D), and Linda Butler (N. Harris Montgomery County, TX D&D). A very special thank you to Bettye Hatcher Miller (Bellaire, TX D&D) for her continued interest and support of the D&D Abbreviator.

Company names have changed. Dresser-Atlas is now *Atlas Wireline Services*, and Welex is now *Halliburton Log Services* or *HAL*. Some entries may be repeated within company, miscellaneous and/or alphabetical listings; this is for the convenience of the user. All terms are alphabetized by abbreviation and by definition. Be sure to check the table of contents for the section most likely to contain the information



which you work with. Once you begin to use the Abbreviator, you will find it an indispensable tool in your daily writing.

Additions to this edition include *Guide to Federal Environmental Acronyms*, *Computational Products Mnemonics*, *Service Name Mnemonics*, and *Log Heading Nomenclature*. Logging nomenclature standards have not been established; therefore, abbreviations for these tools and services are under a separate heading.

The fourth edition of the D&D Standard Oil Abbreviator is an ongoing tribute to the oil, gas, and energy industries that continues to develop and employ new technology and share it with the world. Consequently, there is a need served with each new edition of the Abbreviator—that of keeping our technical and everyday writing in step with the times. As the overall energy industry continues to change in order to survive, so have we of Desk and Derrick made this effort to simplify the daily work of those in the industry.

As a convenience for engineers, draftsmen, and others using this abbreviator, the back of the book contains standard map symbols through the courtesy of American Petroleum Institute, mathematical symbols, and the Greek alphabet.

The Association of Desk and Derrick Clubs hopes this book will continue to fill a need in the energy industry, not only to assist the secretary and the report writer, but to familiarize all newcomers with our unique way of doing things.

In this, the 45<sup>th</sup> anniversary year of the founding of Desk and Derrick, we are proud that we found a need and undertook to fill it—we hope we have successfully continued that good effort.

Jacqueline J. Brill

## **Preface to the Third Edition**

The *D&D Standard Oil Abbreviator* has become an indispensable tool within the oil and gas industry. The information it contains has made writing tasks much easier and has added uniformity.

When this revision was announced, the members of Desk and Derrick, as usual, came through with updated information from every aspect of the oil and gas industry. I have come to the conclusion that “we can abbreviate *everything*” if we put our minds to it. This Third Edition contains over 10,500 abbreviations and definitions for our industry.

Two new sections have been added. Within the Logging Section a new grouping was added for miscellaneous terms. Some are in the other groups, but this section also contains additional terms, thus alphabetizing all logging terms together. A new section was added—“Pipe Coating Terminology and Definitions”—and I am sure this will be a growing addition.

These abbreviations and terms have been mechanically alphabetized through the IBM 5520 System, which takes into account symbols, *i.e.*, hyphens, slashes, etc., and arranges the abbreviations and terms accordingly. Once you use the Abbreviator, you’ll appreciate the ease of using this system.

I wish to thank all the members of D&D who made contributions to this new edition and also those people who helped arrange this information for publication.

My wish for this edition is to further carry on the hope of the first *D&D Standard Oil Abbreviator*—to fill a need.

Linda d’Allesandro Weatherly



## **Preface to the Second Edition**

The gratifying response to the first edition of the *D&D Oil Abbreviator*, which carried it through three printings, seemed to demand a second edition.

As in all undertakings, there are changes that “would be made if we had it to do over.”

So the ladies of Desk and Derrick got behind the project a second time and submitted more data, pointed out earlier typographical errors, and suggested new features for this second edition.

This volume contains more abbreviations for words commonly used in the oil and gas industries than its predecessor. It also contains more abbreviations for company, association, agency, and society names. These are separated geographically, in a sense, with one list covering the U.S. and Canada and the second encompassing the rest of the world.

A major change is noted in the handling of logging tools and services. Because standards have not been established, and because abbreviations for these tools and services are rather complex, it was decided to contain them under a separate heading.

And as a convenience for secretaries, engineers, draftsmen, and others in the industry, the back of the book contains standard map symbols through the courtesy of American Petroleum Institute, mathematical symbols, and the Greek alphabet.

All in all, this second edition was designed to carry out the hope of the first—to fill a need.



## **Preface to the First Edition**

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This book was developed from an idea proposed by Bettye Lynn Hatcher, Monahans, Texas, when she was president of the Monahans Desk and Derrick Club. She presented the idea in a feature story in the club's publication, "The Direct Line."

Her story described the plight of a young secretary on her first assignment with an oil company, trying to decipher the strange-looking language in a drilling report. With no "key" to unlock the mystery of this language, she was completely lost.

So here is the "key"—a listing of nearly every abbreviation used in the oil and gas industry, supplied by those most familiar with this peculiar brand of shorthand—the members of the Association of Desk and Derrick Clubs of North America.

Contributions came from these members in all geographical areas and in all branches of the industry from exploration to marketing. Every effort was made to make this first product as complete as possible, but omissions are bound to occur. Additional contributions were invited by *The Oil and Gas Journal's* Book Department.

For convenience, the book is divided into sections. The first two of these are the largest and give abbreviations for words or phrases. The first section shows the abbreviation followed by its definition. In the second section this order is reversed.

The third section gives the American abbreviations for oil-related companies operating in countries other than the United States. This is followed by abbreviations for the many associations and societies related to the oil industry.

At the outset, the reader will note that there are some abbreviations that apply to more than one word or phrase. Out of context, this seems confusing, but when used in context, these



abbreviations take on a clearer meaning and are easily understood by those familiar with the industry's everyday language.

On the matter of style, the contributions came in assorted forms; all capital letters, all lower-case letters, mixed caps, and lower-case, etc. This is not surprising because there are no standards, to follow yet, and each secretary is her own boss in this regard. But to introduce some consistency, the editors adopted a style based on simple logic: If an abbreviation is made up of the principal letters in a word, as in *bldg* for *building*, lower-case letters are used. If an abbreviation is made up of the first letters of several words (*WOC* for *waiting on cement*), capital letters are used. And to make the abbreviations as abbreviated as possible, periods are used only when their absence could lead to confusion.

It is hoped that this book fills a need in the industry, not only to help the secretarial side interpret the language, but to familiarize all newcomers to the industry with our peculiar ways of doing things.

## **What is D&D?**

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**Purpose:** The purpose of the Association is to promote the education and professional development of individuals employed in or affiliated with the petroleum, energy and allied industries.

**Motto:** Greater Knowledge, Greater Service.

**Mission Statement:** To enhance and foster a positive image to the global community by promoting the contribution of the petroleum, energy, and allied industries through education by using all resources available.

**History:** A desire on the part of Inez Awty Schaeffer, Humble Oil and Refining Company, New Orleans, to meet other women in the Oil and Gas Industry, brought together in April, 1949, a group of women to form the first Desk and Derrick Club. The idea quickly spread to Jackson, Mississippi, Los Angeles, California, and Houston, Texas. The Association held its first annual convention in Houston, Texas in September, 1952. This history of The Association of Desk and Derrick Clubs is exceptional in that through the highs and lows of the petroleum industry, membership has fluctuated but remains strong and active.

Fifty-five years later, we are still going strong. With the introduction of male members in 1988, we, the men and women of ADDC, are continually striving to serve our purpose.

The purpose of The Association is sustained through monthly meetings of educational programs, as well as seminars and field trips to industry work sites. Industry study courses and publications including Fundamentals of Petroleum, Land and Leasing, and Petroleum Geology have been developed with the University of Texas Petroleum Extension (PETEX). CED(Continuing Education Units) are earned when courses and seminars are presented by PETEX-certified instructors.



**Contact:** ADDC for more information at 5153 East 51<sup>st</sup> St., Suite 107, Tulsa, Oklahoma 74135 or call the ADO Manager at 918-622-1749. E-Mail address is [adotulsa@swbell.net](mailto:adotulsa@swbell.net). The ADDC has a comprehensive website at: [www.addc.org](http://www.addc.org).

**A**

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A	abstract (i.e., A-10)
Å	angstrom unit
A-Cem	acoustic cement
A&A	adjustments and allowances
A/	acidized with
A/C	air conditioning
A/CLR	air cooler
A/P	accounts payable
A/R	accounts receivable
AA	after acidizing, as above
AAR	Association of American Railroads
ABC	Audit Bureau of Circulation
abd	abandoned
abd loc	abandoned location
abd-gw	abandoned gas well
abd-ow	abandoned oil well
abd-ogw	abandoned oil & gas well
ABHL	absolute bottom-hole location
ABM	Atlas Bradford modified
abrsi jet	abrasive jet
abs	absolute
ABS	acrylonitrile butadiene styrene rubber
absm	absorption
abst	abstract
abt	about
abun	abundant
abv	above
ac	acid
ac	acre(s), acreage
AC	alternating current



AC	Austin chalk
ac-ft	acre-feet
ACC	access
ACCEL	accelerometers
ACCESS	accessory, accessories
acct	account(ing)
accum	accumulative, accumulator
acd	acidize (ed) (ing)
acfr	acid fracture treatment
A/CLD	air cooled
ACLR	air cooler
ACM	acid-cut mud
acrg	acreage
ACS	American Chemical Society
ACSR	aluminum conductor steel reinforced
ACT	actual
ACT	actuated, actuator
ACT	automatic custody transfer
ACW	acid-cut water
AD	actual drilling
AD	authorized depth
ADC	actual drilling cost
add	additive
addl	additional
ADH	adhesive
adj	adjustable
adm	administration, administrative
ADOM	adomite
ADP	automatic data processing
adpt	adapter
adspn	adsorption
ADT	actual drilling time
advan	advanced
AER	aeration, aerator

AF	acid frac
AF	after fracture
AF/CLR	after cooler
AF/COND	after condenser
AFC	Authorization for Commitment
AFC	Authorized for Construction
AFD	auxiliary flow diagram
AFE	Authorization for Expenditure
affd	affirmed
afft	affidavit
AFIT	after federal income tax
AFP	average flowing pressure
AFRA	average freight rate assessment
AG	agitator
AGGR	aggregate
agim	agglomerate
AIR	average injection rate
AIR COND	air conditioning
AJT	actual jetting time
AL	aluminum
AL	artificial lift
Alb	Albany
alc	alcoholic
ALCOA	Aluminum Company of America
alg	algae
alg	along
ALIGN	alignment (ing)
alk	alkaline, alkalinity
alkyl	alkylate, alkylation
ALLOW	allowable, allowance
alm	alarm
ALOC	allocation
alt	alternate
ALT	altitude



ALY	alloy
amb	ambient
AMI	area of mutual interest
AMM	ammeter
amor	amorphous
amort	amortization
AMP	American melting point
amp	ampere
amp hr	ampere hour
amph	amphipore
Amph	Amphistegina
AMR	addition or modification requere
amt	amount
an	annulus
anal	analysis, analytical
ANC	Anchor (age)
ang	angle, angular
Angul	Angulogerina
anhy	anhydrite, anhydritic
anhyd	anhydrous
ANR	amount not reported
ANS	Alaskan North Slope
ANUB	annubar
ANUC	annunciator
ANYA	allowable not yet available
AOF	absolute open flow potential (gas well)
app	appears, appearance
APPAR	apparatus
appd	approved
appl	appliance
appl	applied
applic	application
approx	approximate (ly)
apr	apparent (ly)

APR	average penetration rate
apt	apartment
aq	aqueous
AQCR	air quality control region
AQMA	air quality maintenance area
AR	acid residue
Ara	Arapahoe
arag	aragonite
Arb	Arbuckle
arch	architectural
Archeo	Archeozoic
aren	arenaceous
arg	argillaceous
arg	argillite
ark	arkose(ic)
Arka	Arkadelphia
arm	armature
arnd	around
ARO	after receipt of order (purchasing term)
ARO	at rate of
arom	aromatics
ARR	arrange (ed) (ing) (ment)
AS	after shot
AS	anhydrite stringer
AS&W ga	American Steel & Wire gauge
ASA	American Standards Association
ASAP	as soon as possible
asb	asbestos
asbr	absorber
ASD	abandon-salvage deferred
asgmt	assignment
Ash	ashern
ASO	acid-soluble oil
asph	asphalt. asphaltic



assgd	assigned
assn	association
assoc	associate (d) (s)
asst	assistant
assy	assembly
astn	asphaltic stain
ASW	adjustable spring wedge
AT	acid treat (ment)
AT	after treatment
AT	all thread
ATT	after the tanks
At	Atoka
at	atomic
at wt	atomic weight
ATC	after top center
ATD	approved total depth
ATF	automatic transmission fluid
atm	atmosphere, atmospheric
ATP	Authorization to Proceed
ATP	average treating pressure
ATP	average tubing pressure
ATT	attach (ed) (ing) (ment)
att	attempt(ed)
atty	attorney
aud	auditorium
Aus	Austin
auth	authorized
auto	automatic
auto	automotive
autogas	automotive gasoline
aux	auxiliary
AV	annular velocity
AV	Aux Vases sand
av	aviation

avail	available
AVC	automatic volume control
avg	average
avgas	aviation gasoline
AW	acid water
AWD	award
AWG	American Wire Gauge
awtg	awaiting
az	azimuth
aztrop	Azeotropic

---

**B**

---

B	billion
B	bulletin
B&B	bell and bell
B &CB	beaded and center beaded
B&S	bell and spigot
B Hn	Big Horn
B slt	base of the salt
B. In.	Big Injun
B. Ls	Big Lime
B. Riv	Black River
B. Bl	Base Blane
B.E.	beveled end
BS&W	basic sediment and water
B&B	bent & bowed pipe
B&F	bell and flange
B&S	Brown & Sharpe (gauge)
B/	base
B/	bottom of given formation (i.e., B/Frio)
B/B	back to back
B/B	barrels per barrel



B/dry	bailed dry
B/hr	barrels per hour
B/JT	ball joint
B/L	bill of lading
B/M	bill of material
b/off	buck-off
b/on	buck-on
B/S	back scuttled
B/S	base salt
B/S	bending schedule
B/S	bill of sale
B/SD	barrels per stream (refinery)
B/VESS	bulk vessel
B/Vlv	ball valve
BA	barrels of acid
bail	bail (ed)
BAL	balance
Ball	Balltown sand
bar	barite (ic)
Bar	Barlow Lime
bar	barometer, barometric
BAR	barrels acid residue
Bark Crk	Barker Creek
Bart	Bartlesville
base	basement (granite)
bat	battery
BAT	before acid treatment
Bate	Bateman
BAW	barrels acid water
BAWPD	barrels acid water per day
BAWPH	barrels acid water per hour
BAWUL	barrels acid water under load
BB	bridged back
BB fraction	butane-butene fraction

BBE	bevel both ends
bbf	barrel
BC	barrels of condensate
Bcf	billion cubic feet
Bcfd	billion cubic feet per day
BCPD	barrels condensate per day
BCPH	barrels condensate per hour
BCPMM	barrels condensate per million
BD	barrels of distillate
BD	blowdown
bd	board
BD	breakdown
BD	budgeted depth
bd ft	board foot (feet)
BD-MLW	barge deck to mean low water
Bd'A	Bois d' Arc
BDA	breakdown acid
BDF	broke (break) down formation
BDL	bundle
BDNG	bedding
BDO	barrels diesel oil
BDP	breakdown pressure
BDPD	barrels distillate per day
BDPH	barrels distillate per hour
BDT	blow-down test
Be	Baumé
Be	Berea
be	box end
Bear Riv	Bear River
bec	becoming
Beck	Beckwith
Bel	Beldon
Bel C	Belle City
Bel F	Belle Fourche



Belm	belemnites
Ben	Benoist (Bethel) sand
Ben	Benton
Bent	bentonite
berm	berm, sloped wall to keep out flooding
bev	bevel (ed)
BF	barrels fluid
BF	blind flange
bf	buff
BFIT	before federal income tax
BFL	baffle
BFO	barrels frac oil
BFPD	barrels fluid per day
BFPH	barrels fluid per hour
BFW	bailer feed water
BFW	barrels formation water
BFW	barrels fresh water
BFW	boiler feed water
BH	bottom hole
BHA	bottom-hole assembly
BHC	bottom-hole choke
BHCS	borehole compensated sonic
BHF	Bradenhead Flange
BHFP	bottom-hole flowing pressure
BHL	bottom-hole location
BHM	bottom-hole money
BHN	Brinell hardness number
BHO	bottom-hole orientation
BHP	bottom-hole pressure
bhp	brake horsepower
bhp-hr	brake horsepower-hour
BHPC	bottom-hole pressure closet ( <i>see also</i> SIBHP <i>and</i> BHSIP)
BHPF	bottom-hole pressure flowing

BHPS	bottom-hole pressure survey
BHSIP	bottom-hole shutin pressure
BHT	bottom-hole temperature
BID SUM	bid summary
Big.	Bigenerina
Big. f.	Bigenerina floridana
Big. h.	Bigenerina humblei
Big. nod.	Bigenerina nodosaria
BIN	binary
bio	biotite
bit	bitumen, bituminous
BKFLSH	back flush
bkr	breaker
BKWSH	backwash
BL	barrels load
bl	blue
BL&AW	barrels load & acid water
Bl/Cb	blast cabinet
BL/JT	blast joint
BLC	barrels load condensate
BLCPD	barrels load condensate per day
BLCPH	barrels load condensate per hour
bld	bailed
bld	bleeding
bld gas	bleeding gas
BLD FLG, BF	blind flange
bldg	building
bldg drk	building derrick
bldg rds	building roads
bldo	bleeding oil
bldrs	boulders
BLE	bevel large end
blg	bailing
Blin	Blinebry



blk	black
blk	block
Blk Lf	Black Leaf
Blk Li	Black Lime
blk lnr	blank liner
BLND	blend (ed) (er) (ing)
BLO	barrels load oil
blo	blow
BLOPD	barrels load oil per day
BLOPH	barrels load oil per hour
BLOR	barrels load oil recovered
Blos	blossom
BLOTBR	barrels load oil to be recovered
BLOYTR	barrels load oil yet to recover
BLPD	barrels of liquid per day
blr	bailer
BLR	boiler
blts	bullets
BLW	barrels load water
BLWPD	barrels load water per day
BLWPH	barrels load water per hour
BLWR	blower
BLWTR	barrels load water to recover
BM	barrels mud
BM	benchmark
BM	Black Magic (mud)
BMEP	brake mean effective pressure
BMI	black malleable iron
bmpr	bumper
bn	brown
bnd	band (ed)
bndry	boundary
BNO	barrels new oil
BNW	barrels new water

bnz	benzene
BO	backed out (off)
BO	barrels oil
BO	blew out
BO	blocked off
BO	free-point back off
BOCD	barrels oil per calendar day
BOCS	Basal Oil Creek Sand
BOD	biochemical oxygen demand
Bod	Bodcaw
BOE	bevel one end
BOE	blowout equipment
Bol.	Bolivarensis
Bol. a.	Bolivina a.
Bol. flor.	Bolivina floridana
Bol. p.	Bolivina perca
Bonne	Bonneterre
BOP	blowout preventer
BOPD	barrels oil per day
BOPE	blowout preventer equipment
BOPH	barrels oil per hour
BOPPD	barrels oil per producing day
BOS	brown oil stain
bot	bottom
BP	back pressure
BP	base Pennsylvania
BP	Bearpaw
BP	boiling point
BP	bridge plug
BP	bulk plant
BP	bull plug
BP Mix	butane and propane mix
BP/CLR	bypass cooler
BPD	barrels per day



BPH	barrels per hour
BPLO	barrels of pipeline oil
BPLOPD	barrels of pipeline oil per day
BPM	barrels per minute
BPSD	barrels per stream day
BPV	back-pressure valve
BPWPD	barrels per well per day
BR	building rig
BR	building road
brach	brachiopod
BRC	brace (ing) (ed)
brec	breccia
BRFL/V	butterfly valve
brg	bearing
Brid	bridger
brit	brittle
brk	break (broke)
brkn	broken
brkn sd	broken sand
BRKR	breaker
BRKS	brakes
brksh	brackish (water)
brkt(s)	brackets(s)
Brn Li	brown lime
brnsh	brownish
brn or br	brown
brn sh	brown shale
Brom	bromide
brtl	brittle
bry	bryozoa
BS	ball sealers
BS	basic sediment
BS	Bone Spring
BS	bottom sediment

BS	bottom settlings
BS&W	bottom (basic) sediment & water
Bscf	billion standard cubic feet
Bscf/d	billion standard cubic feet per day
BSE	bevel small end
BSFC	brake specific fuel consumption
BSHG	bushing
BSI	British Standards Institution
bskt	basket
bsl	basal
bsmt	basement
BSPL	base plate
BSTR	booster
BSUW	black sulfur water
BSW	barrels salt water
BSWPD	barrels salt water per day
BSWPH	barrels salt water per hour
BT	Benoist (Bethel) sand
BTC	buttress thread coupling
BTDC	before top dead center
BTFL/V	butterfly valve
btm (d)	bottom (ed)
btm chk	bottom choke
btry	battery
BTU	British thermal unit
btw	between
BTWLD	butt weld
BTX	benzene toluenexylene (unit)
bu	bushel
Buck	Buckner
Buckr	buckrange
Bul. text.	Buliminella textularia
Bull W	Bullwaggon
Bum.	bottom-hole pressure bomb



bunr	burner
Burg	Burgess
butt	buttness thread
BUZ	buzzer
BV	block valve
BV/WLD	beveled for welding
BW	barrels of water
BW	boiled water
BW	butt weld
BW ga	Birmingham (or Stubbs) iron wire gauge
BW/D	barrels of water per day
Bwg	Birmingham wire gauge
BWL	barrel water load
BWL	body wall loss
BWOL	barrels water over load
BWPD	barrels water per day
BWPH	barrels water per hour
bx	box (es)
BYP	bypass

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## C

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C	Celsius
C	center (land description)
C	centigrade
c	coarse (ly)
C	core hole
C&F	cost and freight
C&P	cellar & pits
C&W	coat and wrap (pipe)
C to C	center to center
C to E	center to end
C to F	center to face

C.I.F.	cost insurance and freight
C.O.P.	completed on pump
C&A	compression and absorption plant
C&C	circulate & condition
C&CH	circulated and conditioned hole
C&CM	circulated and conditioned mud
C&R	circulate and reciprocate
C/	contractor (i.e., C/John Doe)
C/A	commission agent
C/BM	crawl beam
C/H	cased hole
C/L	center line
c/o	care of
C/W	complete with
CA	corrosion allowance
CAB	cabinet
Cadd	Caddell
CAG	cut across grain
cal	calcite, calcitic
cal	caliche
CAL	caliper log
cal	caliper survey
cal	calorie
Calc	calcareous, calcerenite
Calc	calcium
Calc	calculate (ed), calculation
calc gr	calcium-base grease
cale	calceneous
CALIBR	calibrate, calibration
Camb	cambrian
Calv	Calvin
CaO	calcium oxide
Cane Riv	Cane River
Cany	canyon



CaO	calcium oxide
CAOF	calculated absolute open flow
cap	capacitor
cap	capacity
Cap	Captain
Car	Carlisle
carb	carbonaceous
carb test	carbontetrachloride
Carm	Carmel
Casp	Casper
CAT	carburetor air temperature
Cat	Catahoula
CAT	catalog
CAT	catalyst, catalytic
cat ckr	catalytic cracker
Cat Crk	Cat Creek
cath	cathodic
caus	caustic
cav	cavity
CB	changed (ing) bits
CB	continuous blowdown
CB	core barrel
CB	counterbalance (pumping equip.)
CBL	cable (ing)
CBM	Coal bed methane
CBU	circulate bottoms up
CC	calcium chloride
CC	carbon copy
CC	casing cemented (depth)
CC	closed cup
cc	cubic centimeter
C-Cal	contact caliper
ccBU	circulate bottoms up
CCHF	center of casinghead flange

Cck	casing choke
CCL	casing collar locator
CCLGO	cat-cracked light gas oil
CCM	condensate-cut mud
CCP	central compressor plant
CCP	critical compression pressure
CCPR	casing collar perforating record
CCR	Conradson carbon residue
CCR	critical compression ratio
CCS	California Coordinate System
CCS	cast carbon steel
CCS	computer control system
CCU	catalytic cracking unit
ccw	counterclockwise
CD	calendar day
CD	cold drawn
CD	contract depth
CD PL	cadmium plate
CDB	cement dump bailer
CDB	common data base
CDBTF	common data base task force
CDL	cut drilling line
CDM	continuous dipmeter survey
CDO	certified drawing outline
CDP	Central Delivery Point
Cdr Mtn	Cedar Mountain
CDS	continuous directional service
cdsr	condenser
Cdy	Cody (Wyoming)
cell	cellar
cell	cellular
CEM	Cement (ed)
CEMF	counter electromotive force
Ceno	Cenozoic



cent	centralizers
centr	centrifugal
ceph	cephalopod
Cert. ex.	Ceratobulimina eximia
CERT	certified
CET	cement evaluation
CF	casing flange
CF	clay filled
Cf	Cockfield
CF	cold finished
CFB&G	companion flange bolt and gasket
CFBO	companion flanges bolted on
cfđ	cubic feet per day
CFE	contractor furnished equipment
cfg	cubic feet gas
cfgđ	cubic feet gas per day
cfgh	cubic feet gas per hour
CFM	Continuous flowmeter
cu ft	cubic foot
cu ft/bbl	cubic feet per barrel
cu ft/min	cubic feet per minute
cu ft/sec	cubic feet per second
cfp	cubic feet per pound
CFR	cement friction reducer
CFR	cement friction retarder
CFRC	Coordinating Fuel Research Committee
cfs	cubic feet per second
CG	center of gravity
cg	centigram
cg	coarse grained
cg	coring
CG	corrected gravity
cglđ	conglomerate, conglomeritic
C-gr	coarse grained

cgs	centimeter-gram-second-system
CH	casinghead (gas)
ch	chert
ch	choke
CH	closed hole
CH	core hole
CH OP	chain operated
chal	chalcedony
CHAM	chamfer
Chapp	Chappel
CHAR	characteristics
Char	Charles
Chatt	Chattanooga shale
CHD	closed hydrocarbon drain
chem.	chemical, chemist, chemistry
chem. prod	chemical products
Cher	Cherokee
Ches	Chester
CHF	casinghead flange
CHG	casinghead gas
chng	change (ed) (ing)
Chngd DP	changed drillpipe
chrg	charge (ed) (ing)
Chim H	Chimney Hill
Chim R	Chimney Rock
Chin	Chinle
chit	chitin (ous)
chk	chalk
chk	choke
Chkbd	checkerboard
chkd	checked
CHKD PL	checkered plate
CHKV	check valve
chky	chalky



chl	chloride (s)
chl	chloritic
chl log	chlorine long
CHLR	chlorinator
CHMBR	chamber
CHNL	channel
Chou	Chouteau lime
CHP	casinghead pressure
chrm	chairman
chromat	chromatograph
chrome	chromium
cht	chart
cht	chert
chty	cherty
Chug	chugwater
CI	cast iron
CI	contour interval (map)
CI engine	compression-ignition engine
Cib.	Cibicides
Cib. h.	Cibicides hazzardi
CIBP	cast-iron bridge plug
CIE	crude industrial ethanol
Cima	Cimarron
CIP	cement in place
CIP	closed-in pressure
cir	circle
cir	circuit
cir	circular
cir mills	circular mills
circ	circulate, circulating, circulation
Cis	Cisco
ck	cake
ck	check
Ck Mtn	Cook Mountain

cksn	chicksan
CL	carload
cl	centiliter
CL	class
Clag	Clagget
Claib	Claiborne
Clarks	Clarksville
clas	clastic
CLASS	classification
Clav	Clavalinoides
Clay	Clayton
Clay	Claytonville
Cleve	Cleveland
Clfk	Clearfork
CLFR	clarifier
CLG	cooling
CLG/TWR	cooling tower
Cliff H	Cliff House
CLKG	caulking
CLMP	canvas-lined metal petal basket
cln (d) (g)	clean (ed) (ing)
Clov	clovery
clr	clear, clearance
CLR	cooler
CLR/TWR	cooling tower
clrg	clearing
clsd	closed
CLTR	collector
clyst	Claystone
Cl <sub>2</sub>	chlorine
cm	centimeter
cm/sec	centimeters per second
CMA	acoustic caliper
CMC	sodium carboxymethylcellulose



Cmchn	comanchean
CMPARTR	comparator
CPMD	compound
Cmpt	compact
cmt(d)(g)(r)	cement (ed) (ing) (er)
CN	cetane number
CN/BD	control building
cncn	concentric
CND	conduit
CNL	compensated neutron log
CNR	corner
cntf	centrifuge
cntl	control (s)
CNTN	containment
cntr	center (ed)
cntr	container
cntr	controller
CNTWT	counter weight
Cnty	county
cnvr	conveyor
CO	carbon monoxide
CO	carbon oxygen
CO	circulated out
CO	clean out
CO	cleaning out, cleaned out
Co	company
CO	crude oil
CO&S	clean out & shoot
Co. Op.	company operated
Co. Op. S.S.	company-operated service stations
co-op	cooperative
COBOL	Common Business-Oriented Language
COC	Cleveland open cup
Coco	Coconino

COD	chemical oxygen demand
Cod	Codell
coef	coefficient
COF	calculated open flow (potential)
COG	coke oven gas
COL	collar
COL	colored
COL	column
Col ASTM	Color American Standard Test Method
Cole Jct	Coleman Junction
coll	collect (ed) (ing) (ion)
colr	collar
Com	Comanche
Com	Comatula
com	common
Com Pk	Comanche Peak
comb	combined, combination
COMB	combustion
coml	commercial
comm	commenced
comm	commission
comm	communication
comm	community
commr	commissioner
comp	complete (ed) (tion)
comp nat	completed natural
compnts	components
compr	compressor
compr st	compressor station
compt	compartment
COMPT	components
COMPTR	computer
COMT	comment
COMUT	commutator



con	consolidated
conc	concentrate
conc	concentric
conc	concrete
conch	conchoidal
concl	conclusion
cond	condensate
cond	condition (ed) (ing)
condr	conductor (pipe)
condt	conductivity
conf	confidential
conf	confirm (ed) (ing)
confl	conflict
cong	conglomerate (itic)
conn	connection
cono	conodonts
consol	consolidated
const	constant
const	construction
consv	conserve, conservation
cont (d)	continue (ed)
contam	contaminated, contamination
contr	contractor
contr resp	contractor responsibility
contrib	contribution
conv	converse
CONVT	convector, convection
COOH	coming out of hole
coord	coordinate
COP	crude oil purchasing
coq	coquina
cor	corner
Corp	corporation
corr	correct (ed) (ion)

corr	corrosion
corr	corrugated
correl	correlation
corres	correspondence
COSH	hyperbolic cosine
COTD	cleaned out to total depth
COTH	hyperbolic cotangent
Cott G	Cottage Grove
Counc G	Council Grove
CO <sub>2</sub>	carbon dioxide
CP	casing point
CP	casing pressure
cp	centipose (s)
cp	chemically pure
CP	correlation point
Cp Colo	Camp Colorado
CPA	certified public accountant
CPC	casing pressure closed
cp'd	cemented through perforations
CPF	casing pressure flowing
CPF	central processing facility
CPG	cost per gallon
cplg	coupling
CPM	cycles per minute
CPO	confirming telephone order (purchasing term)
CPR	Cooper River Meridian (Alaska)
CPS	cycles per second
CPSI	casing pressure shut in
CR	cold rolled
CR	compression ratio
CR	Cow Run
CR Con	carbon residue (Conradson)
cr moly	chrome molybdenum
cr (d) (g)	core (ed) (ing)



CRA	cased reservoir analysis
CRA	chemically retarded acid
crbd	crossbedded
CRCMF	circumference
crd	cored
CRDL	cradle (s)
cren	crenulated
Cret	Cretaceous
crg	coring
Crin	crinoid (al)
Cris	Christellaria
crit	critical
crk	creek
crkg	cracking
Crkr	cracker
CRN	crane
crn blk	crown block
crnk	crinkled
Crom	Cromwell
crs	coarse (ly)
CRS	cold-rolled steel
CRS	cross
crs-xln	coarse crystalline
CRT	cathode ray tube
CRV	curve
crypto-xln	cryptocrystalline
cryst	crystalline
CS	carbon steel
CS	casing seat
CS	cast steel
cs	centistokes
CSA	casing set at
CSCH	hyperbolic constant
cse gr	coarse grained

CSG	casing
CSK	countersink
CSL	center section line
CSL	county school lands
CS <sub>2</sub>	carbon disulfide
CT	cable tools
CT	cooling tower
CTC	consumer tank car
ctd	coated
CTD	corrected total depth
ctg(s)	cuttings
CTHF	center of tubing flange
Ctlmn	Cattleman
CTM	cable tool measurement
ctn	carton
Ctnwd	Cottonwood
CTO	confirming telephone order (purchasing term)
CTP	cleaning to pits
ctr	center
CTS	cement to surface
CTT	consumer transport truck
CTU	coiled tubing unit
CTW	consumer tank wagon
CU	clean up
cu	cubic
cu cm	cubic centimeter
cu in.	cubic inch
cu m	cubic meter
cu yd	cubic yard
CUB	cubical
culv	culvert
cum	cumulative
Cur	Curtis
cush	cushion



CUST	customer
Cut B	cut bank
Cut Oil	cutting oil
Cut Oil Act Sul dk	cutting oil active-sulfurized-dark
Cut Oil Act Sul trpt	cutting oil active-sulfurized-transparent
Cut Oil Inact S	cutting oil inactive-sulfurize
Cut Oil Sol	cutting oil soluble
Cut Oil St Mrl	cutting oil straight mineral
cutbk	cutback
Cutl	Cutler
CV	control valve
CV	Cotton Valley
cvg(s)	caving (s)
CVR	cover
CVTR	convert (er) (ed)
cw	clockwise
CW	continuous weld
CW	cooling water
CWE	cold water equivalent
CWP	cold working pressure
CWR	cooling water return
CWS	cooling water supplying
cwt	hundredweight
CX	crossover
Cy Sd	Cypress Sand
Cyc	cyclamina
CYC	cyclone
Cycl	cyclone
Cycl canc.	Cyclamina cancellata
cyl	cylinder
cyn	canyon
Cyp	Cypridopsis
Cz	Carrizo

**D**

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D	day
D	Deca
D	development
D	dual
D&A	dry and abandoned
D&B	Dun & Bradstreet
D&C	drill and complete
D.I.	diesel index
D.O.	division order
d-d-1-s-1-e	dressed dimension one side and one edge
d-d-4-s	dressed dimension four side
d-1-s	dressed one side
D-2	Diesel No. 2
d-2-s	dressed two sides
d-4-s	dressed four sides
d/b/a	doing business as
D/D	day to day
D/L	density log
D/O	division office
D/P	differential pressure
D/P	drill (ed) (ing) plug
D/S	data sheet
D/T	driller's top
D/T	drilling tender
DA	daily allowable
DA	Dresser Atlas
DA	drift angle
DAIB	daily average injection barrels
Dak	Dakota
Dan	Dantzler



Dar	Darwin
DAR	discovery allowable requested darcy (darcies not abbreviated)
dat	datum
db	decibel
DB	diamond bit
DB	drilling break
DBA	depth bracket allowable
DBL	double
DBO	dark brown oil
DBOS	dark brown oil stains
DC	delayed coker
DC	development well, carbon dioxide
DC	diamond core
DC	digging cellar or digging cellar and slush pits
DC	direct current
DC	drill collar
DC	dually completed
DCB	diamond core bit
DCLSP	digging slush pits
DCM	distillate-cut mud
DCS	distributed control system
DCTR	detector
dd	dead
DD	degree day
DD	deviation degrees
DD	drilling deeper
DD	dyna-drilling
DDD	dry desiccant dehydrator
DDT	dichloro diphenyltrichloroethane
DE	double end
DEA	diethanolamine
DEA unit	diethanolamine unit
Deadw	Deadwood

deaer	deaerator
deasph	deasphalting
debutzr	debutanizer
dec	decimal
decl	decline
decr	decrease (ed) (ing)
deethzr	deethanizer
defl	deflection
Deg	Degonia
deg	degree (s)
deisobut	deisobutanizer
Del R	Del Rio
Dela	Delaware
delv	delivery (ed) (ability)
delv pt	delivery point
demur	demurrage
dend	dendrite (ic)
DENL	density log
depl	depletion
Depr	depreciation
deprop	depropanizer
dept	department
Des Crk	Desert Creek
Des M	Des Moines
desalt	deslater
desc	description
desorb	desorbent
desulf	desulfurizer
det	detail (s)
det	detector
deterg	detergent
detr	detrital
dev	deviate, deviation
Dev	Devonian



devel	develop (ed) (ment)
dewax	dewaxing
Dext	Dexter
DF	derrick floor
DF	diesel fuel
DF	drill floor
DFE	derrick floor elevation
DFO	datum faulted out
DFP	date of first production
DFT	dry film thickness
dg	decigram
DG	development gas well
DG	draft gauge
DG	dry gas
DGA	diglycolamine
DGTL	digital
DH	development well, helium
DH	double hub
DHC	dry-hole contribution
DHC	dry-hole cost
DHDD	dry-hole drilled deeper
DHDS	diesel hydrogen desulfurization
DHM	dry-hole money
DHR	dry-hole reentered
DHV	deemed heating value
dia	diameter
diag	diagonal
diag	diagram
diaph	diaphragm
dichlor	dichloride
diethyl	diethylene
diff	different (ial) (ence)
DIFL	dual injection focus log
dilut	diluted

dim	dimension
dim	diminish (ing)
Din	Dinwoody
dir	direct (tion) (tor)
dir drlg	directional drilling
dir sur	directional survey
Disc	Discorbis
disc	discount
disc	discover (ed) (ing) (ion)
Disc. grav.	Discorbis gravelli
Disc. norm.	Discorbis normada
Disc. y.	Discorbis yeguaensis
disch	discharge
dism	disseminated
disman	dismantle
displ	displaced, displacement
dist	distance
dist	distillate, distillation
dist	district
distr	distribute (ed) (ing) (ion)
div	division
dk	dark
Dk Crk	Duck Creek
dl	deciliter
DL	drilling line
DLC	dual lower tubing
dlr	dealer
DLS	dogleg severity
DLT	dual lower tubing
DM	datum
dm	decimeter
DM	demand meter
DM	dipmeter
DM	drilling mud



dml	demolition
DMPD	dumped
dmpr	damper
DMS	dimethyl sulfide
dm	cubic decimeter
dm/s	cubic decimeter per second
dn	down
dns	dense
DO	development oil
DO	development oil well
do	ditto
DO	drill (ed) (ing) out
DOBLDG	dock operating building
DOC	diesel oil well
Doc	Dockum
doc	document
DOC	drilled-out cement
doc-tr	doctor-treatment
DOCREQ	Document request
DOD	drilled-out depth
DOE	Department of Energy
dolo	dolomite (ic)
dolst	dolstone
dom	domestic
dom AL	domestic airline
DOM WTR	domestic water
DOP	drilled-out plug
Dorn H	Dornick Hills
Doth	Dothan
Doug	Douglas
doz	dozen
DP	data processing
DP	dewpoint
DP	double pipe

DP	drillpipe
DP SW	double pole switch
DPDB	double pole double base (switch)
DPDT SW	double pole double throw switch
dpg	deepening
DPM	drillpipe measurement
dpr	deepen
DBSB	double pole single base (switch)
DPST SW	double pole single throw switch
DPT	deep pool test
dpt	depth
dpt rec	depth recorder
DPU	drillpipe unloaded
DR	development redrill (sidetrack)
dr	drain
dr	drive
dr	drum
dr	druse
Dr Crk	Dry Creek
drk	derrick
DRL	double random lengths
drl	drill
drl d	drilled
drl g	drilling
drl r	driller
DRM	drum
drng	drainage
drop d	dropped
drsy	drusy
DRV (R)	drive (ing) (er)
dry	drier, drying
ds	dense
DS	directional survey
DS	drillsite

DS	drillstem
DSF	drillsite facility
dsgn	design
DSI	drilling suspended indefinitely
dsl	diesel (oil)
dsmt (g)	dismantle (ing)
DSO	dead oil show
DSS	days since spudded
DST	drillstem test
DST (Strd)	drillstem test with straddle packers
dstl	distillate
dstn	destination
DSU	development well, sulfur
DSUPHTR	desuperheater
DT	downthrown
DT	drilling time
DTD	driller's total depth
DTH	decatherm
dtr	detrital
DTW	dealer tank wagon
DUC	dual upper casing
Dup	Duperow
dup	duplicate
DUR	duration
DUT	dual upper tubing
Dutch	Dutcher
DV	differential valve (cementing)
DVL	develop
DVT	davit
DWA	drilling with air
DWC	drilling and well completion
DWD	dirty water disposal
DWG	drawing
DWG	drilling with gas

dwks	drawworks
DWM	drilling with mud
DWO	drilling with oil
DWP	dual (double) wall packer
DWSW	drilling with salt water
DWT	deadweight tester
DWT	deadweight tons
DWTR	dewatering
DX	development well workover
dx	duplex
dyn	dynamic

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**E**

E	east
E	exploratory
E of W/L	east of west line
E.D.	effective depth
e.g.	for example
E.T.D	estimated total depth
E/BL	east boundary line
E/E	end to end
E/L	east line
E/O	east offset
E/2	east half
E/4	east quarter
ea	each
EA	environmental assessment
EAM	electric accounting machines
Earls	Earlsboro
Eau Clr	Eau Claire
ECC	eccentric
Ech	echinoid



ECM	East Cimarron Meridian (Oklahoma)
Econ	economics, economy, economizer
Ect	Ector (County, TX)
Ed lm	Edwards lime
EDC	ethylene dichloride
EDCTN(R)	education (tor)
EDD	expected date of delivery
EDP	electronic data processing
Educ	education
Edw	Edwards
EF	Eagle Ford
eff	effective
eff	efficiency
effl	effluent
EFV	equilibrium flash vaporization
Egl	Eagle
Eglwd	Englewood
EHP	effective horsepower
EIA	environmental assessment
EIR	environmental impact report
EIS	environmental impact statement
Ej	perforating, enerjet
EL	elevation (height)
ejtr	ejector
el gr	elevation ground
EL/T	electronic log tops
Elb	Elbert
ELB	elbow
elec	electric (al)
Elec/MAG	electromagnetic
elem	element, elementary
elev	elevation, elevator
Elg	Elgin
ELIM	eliminate (tor) (ed)

ell(s)	elbow (s)
Ellen	Ellenburger
Elm	Elmont
E'ly	easterly
EM	Eagle Mills
Emb	Embar
emer	emergency
EMF	electromotive force
EMN	electromagnetic
EMNI	electromagnetic induction
EMP	European melting point
empl	employee
EMS	Ellis-Madison contact
emul	emulsion
encl	enclosure
End	Endicott
endo	endothya
eng	engine
enr (g)	engineer (ing)
enl	enlarged
enml	enamel
Ent	Entrada
ENT	entrance
ent	entry
ENV	envelope
ENVIR	environment
EO	emergency order
Eoc	Eocene
EOF	end of file
EOL	end of line
EOM	end of month
EOQ	end of quarter
EOR	east of Rockies
EOR	enhanced oil recovery



EOY	end of year
EP	end point
EP	extreme pressure
Epon.	Eponides
Epon. y.	Eponides yeguaensis
eq	equal, equalizer
Eq	equation (before a number)
equip	equipment
equiv	equivalent
ERC/MK	erection mark
erect	erection
Eric	Ericson
ERW	electric resistance weld
ESD	emergency shutdown
est	estate
est	estimate (ed) (ing)
et al.	and others
et con.	and husband
et seq.	and the following
et ux.	and wife
et vir.	and husband
ETA	estimated time of arrival
eth	ethane
ethylene	ethylene
EU	Eutaw
EUE	external upset end
euhed	euهدral
EUR	estimated ultimate recovery
ev	electron-volts
ev-sort	even sorted
eval	evaluate
evap	evaporation, evaporate
EW	electric weld
EW	exploratory well

EWT	early well tie-ins
EX	example
ex	except
Ex	Exeter
EX-PRF	explosion proof
EXAM	Examination
EXC	Excitation
exc	Excavation
exch	Exchanger
excl	Excellent
EXEC	Executive
exh	Exhaust
exh	exhibit
exist	existing
EXP	expansion
exp	expense
EXP JT	expansion joint
exp plg	expendable plug
expir	expire (ed) (ing) (ation)
expl	exploratory, exploration
explos	explosive
exr	executor
Exrx	executrix
exst	existing
ext	external
Ext M/H	extension manhole
ext (n)	extended, extension
extr	exterior
extrac	extraction
EYC	estimated yearly consumption

**F**

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F&D	faced and drilled
F&D	flanged and dished (heads)
F&F	fuels & fabrication
F&L	fuels & lubricants
F&S	flanged and spigot
F to F	face to face
F.G.	fracture gradient
F.O.E	fuel oil equivalent
F-D	formation density
F-DIA	flow diagram
f-gr	fine grained
F-MET	flowmeter
F-R oil	fire-resistant oil
F-SHT	flow sheet
F/	flowed, flowing
F/DIA	flow diagram
F/FAB	field fabricated
F/GOR	formation gas-oil ratio
F/O opt	farmout option
F/S	flange & screwed
F/S	front & side
F/SW	flow switch
F/WTR	fire water
f/xin	finely crystalline
fab	fabricate (ed) (tion)
FAB	faint air blow
fac	facet (ed)
FACIL	facility (ies)
FACO	field authorized to commence operations
fail	failure

Fall Riv	Fall River
FAO	finish all over
Farm	Farmington
FARO	flowed (ing) at the rate of
fau	fauna
FB	fresh break
FBH	flowing by heads
FBHP	flowing bottom-hole pressure
FBHPF	final bottom-hole pressure, flowing
FBHPSI	final bottom-hole pressure, shut-in
FBP	final boiling point
fbrgs	fiberglass
FC	filter cake
FC	fixed carbon
FC	float collar
FCC	fluid catalytic cracking
FCL	facility capacity limits
FCO	functional check out
FCP	flowing casing pressure
FCV	flow control valve
FD	feed
FD	floor drain
FD	flow diagram
FD EFF	feed effluent
FD/WTR	feed water
FDC	formation density correlated
FDL	formation density log
fdn	foundation
fdr	feeder
Fe	iron
Fe-st	ironstone
FE/L	from east line
fed	federal
FEIS	Final Environmental Impact Statement



FEL	from east line
FELA	Federal Employers Liability Act
FEM	female
Ferg	Ferguson
ferr	ferruginous
fert	fertilizer
$\text{Fe}_2(\text{SO}_4)_3$	ferric sulfate
FF	fishing for
FF	flat face
FF	fracfinder (log)
FF	full of fluid
FFA	female to female angle
FFA	full freight allowed (purchasing term)
FFG	female to female globe (valve)
FFGU	field fuel gas unit
FFL	final fluid level
FFO	furnace fuel oil
FFP	final flowing pressure
FG	fuel gas
FGIH	finish going in hole
FGIW	finish going in with
FGVV	flanged gate valve
FH	full hole
FHP	final hydrostatic pressure
FI	flow indicator
fib	fibrous
FIC	flow-indicating controller
fig	figure
FIH	finished in hole
FIH	fluid in hole
filt	filtrate
fin	final
fin	finish (ed)
fin drlg	finished drilling

FIN GR	finish grade
FIRC	flow indicating ratio controller
fis	fissure
fish	fishing
fisl	fissile
FIT	formation interval tester
fix	fixture
FJ	flush joint
Flt	fault
FL	flashing
FL	floor
FL	flow line
fl	fluid
FL	fluid level
FL	flush
Fl-COC	flash point, Cleveland Open Cup
fl/	flowed (ing)
FL/BD	flammable liquid building
FLA	Ferry Lake anhydrite
flat	flattened
Flath	Flathead
fld	failed
fld	feldspar (thic)
fld	field
FLD	full-length drift
flex	flexible
flg	flowing
flg (d) (s)	flange (ed) (es)
Flip	Flippen
flk	flaky
FLMB	flammable
flo	flow
FLO	flushing oil
Flor fl	Florence flint



flshd	flushed
flt	float
fltg	floating
fltn	flotation
FLTR	filter
flu	flue
Flu	fluid
fluor	fluorescence, fluorescent
flw (d) (g)	flow (ed) (ing)
Flwg Pr.	flowing pressure
Flwrpt	flowerpot
FLXBX	flexibox
fm	formation
FM	frequency meter
FM	frequency modulation
Fm W	formation water
f'man	foreman
Fpm	feet per minute
Fn	fine
FNEL	from northeast line
FNL	from north line
Fnly	finely
FNSH	finish
Fnt	faint
FNWL	from northwest line
FO	farmout
FO	faulted out
FO	final open
FO	fuel oil
FO	full opening
FOB	free on board
FOCL	focused log
FOE-WOE	flanged one end, welded one end
FOH	full open head

Fol	foliated
FONSI	finding of no significant impact
FOR	fuel oil return
Forak	Foraker
Foram	foraminifera
Fort	Fortura
FOS	face of stud
FOS	fuel oil supply
Foss	fossiliferous
FOT	flowing on test
Fount	Fountain
Fox H	Fox Hills
FP	final pressure
FP	flowing pressure
FP	freezing point
Fph	Feet per hour
FPI	free-point indicator
FPO	field purchase order
Fprf	fireproof
Fps	feet per second
f-p-s	foot-pound-second (system)
FPSO	floating production storage and offloading vessel
FPT	female pipe thread
FPTFD	field pressure test flow diagram
FQG	frosted quartz grains
fr	fair
FR	feed rate
FR	flow rate
FR	flow recorder
fr	fractional
fr	from
fr	front
fr	frosted
fr E/L	from east line



fr N/L	from north line
fr S/L	from south line
fr W/L	from west line
FRA	friction reducing agent
frac (d) (s)	fracture, fractured, fractures
frac	fractionation, fractionator, fractional
frag	fragment
fran	franchise
Franc	Franconia
FRC	flow recorder control
Fred	Fredericksburg
Fred	Fredonia
freq	frequency
FRG	forge (ed) (ing)
Frgy	froggy
fri	friable
FRM (G)	frame, framing
Fron	frontier
fros	frosted
FRP	fiberglass-reinforced plastic
FRR	field receiving report
FRR	final report for rig
frs	fresh
frt	freight
Fruit	Fruitland
FRW	final report for well
frwk	framework
frzr	freezer
FS	feedstock
FS	float shoe
FS	flow station
FS	forged steel
FS&WLS	from south and west lines
FSEL	from southeast line

fsg	fishing
FSIP	final shutin pressure
FSL	from south line
FSP	flowing surface pressure
FST	forged steel
FSTN	fasten (ing) (er)
FSWL	from southwest line
ft	feet, foot
FT	firm transport
FT	formation test
Ft C	Fort Chadborne
Ft H	Fort Hayes
ft-lb	foot-pound
ft-lb/hr	foot-pound per hour
Ft R	Fort Riley
Ft U	Fort Union
Ft W	Fort Worth
ft-c	foot-candle
ftg	fittings
ftg	footing, footage
FTP	final (flowing) tubing pressure
FTS	fluid to surface
ft <sup>2</sup>	square feet
ft <sup>3</sup>	cubic feet
FU	fill up
Full	Fullerton
furf	furfural
furn	furnace
FURN	furnish (ed)
Furn & fix	furniture and fixtures
Fus	Fuson
Fussel	Fusselman
Fusul	Fusulinid
fut	future

FV	funnel viscosity
fvst	favosites
FW	fillet weld
FW	fresh water
FWC	field wildcat
fwd	forward
FWD	four-wheel drive
FWL	from west line
fwtr	fresh water
fxd	fixed
FYE	fiscal year ending
FYI	for your information

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**G**

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G	gas
G egg	goose egg
g mole	gram molecular weight
G Rk	gas rock
G.M.	gravity meter
G. Riv	Gull River
g-cal	gram calorie
G-N <sub>2</sub>	gaseous nitrogen
G-O <sub>2</sub>	gaseous oxygen
G&MCO	gas & mud-cut oil
G&O	gas and oil
G&OCM	gas- and oil-cut mud
G/L	gathering line
G/P	gun perforate
ga	gauge (ed) (ing)
GA	gallons acid
GA	general agreement
GAF	gross acre-feet

gal	gallon (s)
gal sol	gallons of solution
gal/Mcf	gallons per thousand cubic feet
gal/min	gallons per minute
Gall	Gallatin
galv	galvanized
gaso	gasoline
gast	gastropod
GB	gun barrel
GBDA	gallons breakdown acid
GC	gas-cut
GCAW	gas-cut acid water
GCD	gas-cut distillate
GCLO	gas-cut load oil
GCLW	gas-cut load water
GCM	gas-cut mud
GCO	gas-cut oil
GCPA	gas cap participating area
GCPD	gallons condensate per day
GCPH	gallons condensate per hour
GCR	gas-condensate ratio
GCSW	gas-cut salt water
GCT	guidance continuance tool
GCW	gas-cut water
GD li	Glen Dean lime
gd	good
gd o&t	good odor & taste
GDE	geothermal development, failure
Gdld	Goodland
GDR	gas-distillate ratio
GDS	geothermal development, success
Gdwn	Goodwin
GE	General Electric Company
GE	grooved ends



gel	gelled
gel	jelly-like colloidal suspension
gen	generation, generator
genl	general
Geo	Georgetown
geo	geothermal
geol	geology (ist) (ical)
geop	geophysics (ical)
GFLU	good fluorescence
GFR	gas-fluid ratio
gg	grains per gallon
GGD	gas lift gas distribution
GGW	gallons gelled water
GH	Greenhorn
GHO	gallons heavy oil
GHSG	gas-handling study group
GI	gas injection
Gib	Gibson
GIH	going in hole
gil	gilsonite
Gilc	Gilcrease
GIP	gas in pipe
GISB	gas industry standards board
GIW	gas injection well
GJ	gigajoule
GL	gas lift
GL	ground level
glau	glaucinite, glauconitic
GLBVV	globe valve
gld thd	galled threads
Glen	Glenwood
glna	Galena
GLO	gas lift oil
GLO	General Land Office (Texas)

Glob	Globigerina
Glor	Glorieta
GLR	gas-liquid ratio
gls (y)	glass, glassy
GLT	gas lift transfer
glyc	glycol
GMC	General Motors Corporation
gm	gram
GM	ground measurement (elevation)
gm-cal	gram-calorie
GMA	gallons mud acid
gmy	gummy
gnd	grained (as in fine-grained)
gns	gneiss
GO	gallons oil
GO	gas odor
GO	grind out
GOC	gas-oil contact
GODT	gas odor distillate taste
Gol	Golconda lime
Good L	Goodland
GOPD	gallons of oil per day
GOPH	gallons of oil per hour
GOR	gas-oil ratio
Gor	Gorham
Gouldb	Gouldbusk
gov	governor
govt	government
GP	gas pay
GP	gasoline plant
GPC	gas purchase contract
GPD	gallons per day
GPF	granite point field
GPG	grains per gallon



GPH	gallons per hour
GPM	gallons per minute
GPM	geophysical investigation map
GPS	gallons per second
GPU	Gas Production Unit
GQM	geological quadrangle map
GR	gamma ray
GR	gauge ring
GR	Glen Rose
gr	grade
gr	grain
gr	gravity
gr	grease
gr	ground
gr API	gravityo API
gr roy	green royalty
Gr Sd	Gray sand
gr wt	gross weight
GR&DC	Gulf Research and Development Company
GRA	gallons regular acid
GRAD	gradiomanometer
grad	gradual, gradually
gran	granite, granular
gran w	granite wash
Granos	Graneros
grap	graptolite
grav	gravity
Gray	Grayson
Grayb	Grayburg
grdg	grading
grdg loc	grading location
GRDL	guard log
GRG	gas reserve group
GRI	gas research institute

grn	green
Grn Riv	Green River
grn sh	green shale
grnd	ground
grnlr	granular
GRP	group
GRS	gas to surface
grs	gross
grt	grant (of land)
grtg	grating
grty	gritty
grv	grooved
grvt	gravitometer
GRVTY	gravity
gry	gray
GS	gas show
GS	guide shoe
GSC	gas sales contract
GSG	good show of gas
GWSI	gas well shutin
gskt	gasket
GSO	good show oil
GSO&G	good show oil and gas
GST	gamma spectroscopy tool
GSW	gallons salt water
gsy	greasy
GT	geothermal
GTS	gas to surface (time)
GTSTM	gas too small to measure
GU	gas unit
Guns	Gunsite
GUS	gusset
GV	gas volume
gvl	gravel

GVLPK	gravel packet
GVNM	gas volume not measured
GW	gallons water
GW	gas well
GW	geothermal wildcat, failure
GWC	gas-water contact
GWD	geothermal wildcat, success
GWG	gas-well gas
GWPH	gallons of water per hour
gyp	gypsum
gypy	gypsiferous
Gyr.	Gyroidina
Gyr. sc.	Gyroidina scal
gywk	greywacke

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**H**

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H&V	heating and ventilating
H H P	hydraulic horsepower
H. O.	hole opener
H-SEL	perforating hyper select
H-VOLT	high voltage
H/C	hydrocracker
Hackb	Hackberry
Hara	Haragan
Hask	Haskell
Haynes	Haynesville
haz	hazardous
HB	house brand (regular grade of gasoline)
Hburg	Hardinsburg sand (local)
HBP	held by production
hbr	harbor
HC	hydrocarbon

HC	hydrocracker
HCDS	hydrocarbon drain system
HCGO	heavy coker gas oil
HCO	heavy cycle oil
HCV	hand-control valve
hd	hard
hd	head
HD	heavy duty
HD	high detergent
HD	hot dry rock development, failure
HD	Hydril
HD	perforating, hyperdome
Hd li	hard lime
hd sd	hard sand
hdl	handle
hdns	hardness
hdr	header
HDS	hot dry rock development, successful
HDS	hydrogen desulfurization
Hdwr	hardware
Heeb	Heebner
Hem	hematite
Her	Herington
Herm	Hermosa
Het	heterostegina
HEX	heat exchanger
hex	hexagon (al)
hex	hexane
HEX HD	hex head
hfg	hydrofining
HFO	heavy fuel oil
HFO	hole full of oil
HFSW	hole full of salt water
HFW	hole full of water



HGCM	heavily (highly) gas-cut mud
HGCSW	heavily (highly) gas-cut salt water
HGCW	heavily (highly) gas-cut water
HGOR	high gas-oil ratio
hgr	hanger
hgt	height
HH	hand hole
HH	hydrostatic heat
HIA	Hydrologic Investigations Atlas
Hick	Hickory
Hill	Hilliard
hky	hackly
HLDN	hold down
HLSD	high-level shutdown
HND/WHL	handwheel
HNDLG	handling
HO	heating oil
HO	heavy oil
HO	hole opener
HO	home office
HO&GCM	heavily (highly) oil- and gas-cut mud
hock	hockleyensis
HOCM	heavily (highly) oil-cut mud
HOCW	heavily (highly) oil-cut salt water
HOCW	heavily (highly) oil-cut water
Hog	Hogshooter
Holl	Hollandberg
Home Cr	Home Creek
hop	hooper
horiz	horizontal
Hodp	Hospah
HOT	hot oil tar
Hov	Hoover
Hox	Hoxbar

HP	high pressure
HP	horsepower
HP	hydraulic pump
HP	hydrostatic pressure
hp-hr	horsepower-hour
HPF	holes per foot
HPG	high-pressure gas
HPG	high-pressure gauge
HQ	headquarters
HR	heavy reformat
hr	hour (s)
HR Sul W	hole full of sulfur water
HRD	high-resolution dipmeter
hrs	heirs
HRS	hot-rolled steel
HSD	heavy steel drum
HSE	house (ed) (ing)
HST	hydrostatic test
HT	heat tracing (ed)
HT	heat-treated, heater treater
HT	high temperature
HT	high tension
HTA	heat-treated alloy
htr	heater
HTSD	high-temperature shutdown
HU	hook up
Humb	Humblei
Hump	Humphreys
Hun	Hunton
HUX	heavy hydrocrackate
HV	high viscosity
HVAC	heating ventilating and air conditioning
HVGO	heavy gas oil
HVI	high viscosity index

HVL	high volume lift
hvly	heavily
hvy	heavy
HW	hot dry rock wildcat, failure
HWCM	heavily (highly) water-cut mud
HWD	hot dry rock wildcat, success
HWP	hookwall packer
hwy	highway
HX	heat exchanger
HYD	hydraulic
HYD	Hydril thread
HYDA	Hydril Type A joint
HYDCA	Hydril Type CA joint
HYDCS	Hydril Type CS Joint
HYDRO	hydro test
hydr	hydrotreater
Hyg	hygiene
HYGN	hydrogenation
HYPO	hypotenuse
Hz	Hertz
H <sub>2</sub>	hydrogen
H <sub>2</sub> S	hydrogen sulfite
H <sub>2</sub> SO <sub>4</sub>	sulfuric acid



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I.D sign	identification sign
I-	miscellaneous investigations series
I-O-M	installation operation & maintenance
I/C	interconnection (ing)
I/CFD	interconnecting flow diagram
I/O	input/output
IAB	initial air block

IB	impression block
IB	iron body (valve)
IBBC	iron body brass core (valve)
IBBM	iron body brass (bronze) mounted (valve)
IBHP	initial bottom-hole pressure
IBHPPF	initial bottom-hole pressure, flowing
IBHPSI	initial bottom-hole pressure, shut in
IBP	initial boiling point
IC	iron case
icfos	microfossil (iferous)
ID	inside diameter
IDENT	identify (ier) (ication)
Idio	Idiomorpha
IES	induction electrical survey
IF	internal flush
IFL	initial fluid level
IFP	initial flowing pressure
IG	injection gas
Ign	igneous
IGN	ignition
IGOR	injection gas-oil ratio
IGV/IBV	inlet gate valve/inlet ball valve
IH	in hole
IHP	indicated horsepower
IHP	initial hydrostatic pressure
IHPHR	indicated horsepower hour
II	injection index
IJ	integral joint
ILUM	illuminator (s)
imdb	imbedded
IMF	intermediate manifolds
immed	immediate (ly)
Imp	Imperial
IMP	impounding



Imp gal	Imperial gallon
imperv	impervious
IMW	initial mud weight
in.	inch (es)
in. Hg	inches mercury
in.-lb	inch-pound
in./sec	inches per second
Inbded	imbedded
Inc.	incorporated
inc	increment
incd	incandescent
INCIN	incinerator, incineration
incl	include (ed) (ing)
INCLR	intercooler
incls	inclusions
INCM	income (er) (ing)
incr	increase (ed) (ing)
ind	induction
indic	indicate (s) (tion)
indiv	individual
indr	indurated
indst	indistinct
Inf. L	inflammable liquid
Inf. S	inflammable solid
info	information
ingr	intergranular
inhib	inhibitor
init	initial
Inj	injection, injected
Inj Pr	injection pressure
Inl	inland
Inl	inlet
Inland	interlaminated
Inoc	Inoceramus

INPE	installing (ed) pumping equipment
INQ	inquire, inquiry
ins	insulate, insulation
ins	insurance
insole	insoluble
inps	inspect (ed) (ing) (tion)
inst(d)(g)(l)	install (ed) (ing) (tion)
inst	instantaneous
inst	institute
instr	instrument, instrumentation
insul	insulate
INT	integral
int	interest
int	interior
int	internal
int	intersection
intclr	intercooler
INTCON	interconnection
inter-gran	intergranular
inter-lam	interlaminated
inter-xln	intercrystalline
interbd	interbedded
intgr	integrator
INTL	internal
intl	interstitial
intr	intrusion
ints	intersect
intv	interval
inv	invert (ed)
inv	invoice
invrtb	invertebrate
IO	initial open
IP	initial potential
IP	initial pressure

IP	initial production
IP	intermediate pressure
IPA	initial participating area
IPA	isopropyl alcohol
IPE	install (ing) pumping equipment
IPF	initial production flowed (ing)
IPG	initial production gas lift
IPI	initial production on intermitter
IPL	initial production plunger lift
IPP	initial production pumping
IPR	inflow performance rate
IPS	initial production swabbing
IPS	iron pipe size
IPT	iron pipe thread
IR	infrared
IR	injection rate
Ire	Ireton
irid	iridescent
irreg	irregular
IRS	Internal Revenue Service
Irst	ironstone
IS	inside screw (valve)
ISIP	initial shutin pressure (DST)
ISIP	instantaneous shutin pressure (frac)
ISITP	initial shutin tubing pressure
ISO	isometric
ISO/CKR	isocracker
ISOL	isolate (tor)
isom	isometric
isoth	isothermal
ISS	issue
IT	interruptible transport
ITB	invitation to bid
ITC	investment tax credit

ITD	intention to drill
IUE	internal upset ends
Ives	Iverson
IVP	initial vapor pressure
IW	injection water
IW	injection well

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**J**

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J	Joule
J&A	junked and abandoned
J/O	joint operation
jac	jacket
Jack	Jackson
Jasp	jasper (oid)
Jax	Jackson sand
JB	junction box
JB	junk basket
jbr	jobber
JC	job complete
jct	junction
Jdn	Jordan
Jeff	Jefferson
JFA	jet fuel (aviation)
JIB	joint interesting billing
JINO	joint interest nonoperated (property)
JJ	junk joint
jmd	jammed
jnk	junk (ed)
JOA	joint operating agreement
JOP	joint operating provisions
JP	jet perforated
JP fuel	jet propulsion fuel

JP/ft	jet perforations per foot
JSPF	jet shots per foot
jt(s)	joint (s)
JTU	jet treating unit
Jud Riv	Judith River
Jur	Jurassic
juris	jurisdiction
JV	joint venture
Jxn	Jackson

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**K**

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K	Kelvin (temperature scale)
K	thousand (i.e., 13K = 13,000)
Kai	Kaibib
kao	kaolin
Kay	Kayenta
KB	kelly bushing
KBM	kelly bushing measurement
KC	Kansas City
kc	kilocycle
kcal	kilocalorie
KD	kiln dried
KD	Kincaid lime
KD	knock down
KDB	kelly drive bushing
KDB-LDG FLG	kelly drill bushing to landing flange
KDB-MLW	kelly drill bushing to mean low water
KDB-Plat	kelly drill bushing to platform
KDBE	kelly drive bushing elevation
Ke	Keener
Keo-Bur	Keokuk-Burlington
kero	kerosine (kerosene)

ket	ketone
KEV	thousand electron-volts
Key	Keystone
kg	kilogram
kg-cal	kilogram-calorie
kg-m	kilogram-meter
KGRA	known geothermal resource area
Khk	Kinderhook
kHz	kilohertz
Kia	Kiamichi
Kib	Kibbey
Kin li	Kincaid Lime
kin	kinematic
kip	one thousand pounds
kip-ft	one thousand foot-pounds
Kirt	Kirtland
KIT	kitchen
kl	kiloliter
kld	killed
km	kilometer
KMA	KMA sand
KO	kick off
KO	knock out
Koot	Kootenai
KOP	kickoff point
kPa	kilopascal
Kri	Krider
ktle	kettle
kilovolt	
KV	kinematic viscosity
KV	permeability (vertical direction)
kva	kilovolt-ampere
kvah	kilovolt-ampere-hour
kvar	kilovar; reactive kilovolt-ampere

kvar-hr	kilovar-hour
kvp	kilovolt peak
KW	kill (ed) well
kw	kilowatt
kwh	kilowatt-hour
kwhm	kilowatt-hour-meter

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**L**

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l	liter
L&P	ladder & platform
L U	lease use (gas)
L.P.	line pipe
L-DK	loading dock
L-VOLT	low voltage
L/	Lower, i.e., L/Gallup
L/Alb	Lower Albany
L/Cret	Lower Cretaceous
L/Tus	Lower Tuscaloosa
LA	level alarm
LA	lightning arrester
LA	load acid
La Mte	La Motte
lab	labor
lab	laboratory
LACT	lease automatic custody transfer
lad	ladder
LAG	lagging
Lak	Lakota
lam	laminated, lamination (s)
Land	Landulina
Lans	Lansing
Lar	Laramie

LAS	lower anhydrite stringer
lat	latitude
Laud	Lauders
Layt	Layton
LB	light barrel
lb	pound
lb-in.	pound-inch
lb/ft	pounds per foot
lb/sq ft	pounds per square foot
LBOS	light brown oil stain
lbr	lumber
LC	lease crude
LC	level controller
LC	long coupling
LC	lost circulation
LC	lower casing
LC	lug cover type (5-gallon can)
LCGO	light coker gas oil
lchd	leached
LCL	less-than carload lot
LCL	local
LCM	lost circulation material
LCP	local control panel
LCP	lug cover wit pour spout
LCV	level control valve
LD	laid down
ld	load
ld(s)	land (s)
LDC	laid-down cost
LDC	local distribution company
LDCX	lead drill collar
LDDCs	laid (laying) down drill collars
LDDP	laid (laying) down drillpipe
LDFL	large-diameter flow line

LDG	landing
LDG	loading
LDR	loader
Le C	Le Comptom
Leadv	Leadville
LEL	lower explosive limit
Len	Lennep
len	lenticular
LFO	light fuel oil
lg	large
lg	length
lg	level glass
lg	long
Lg Disc	Large Discorbis
LGD	Lower Glen Dean
Lge	league
LH	left hand
LH/RP	long handle / round point
LI	level indicator
LIB	light iron barrel
LIC	level indicator controller
lic	license
Lieb	Liebuscella
lig	lignite, lignitic
LIGB	light iron grease barrel
LIH	left in hole
lim	limit, limonite
lin	linear
lin	liner
lin ft	linear foot
LIP	local injections plants
liq	liquid
liqftn	liquefaction
litho	lithographic

LJ	lap joint
lk	leak
lk	lock
LKG	leakage
LKR	locker
LLC	liquid level controller
LLG	liquid level gauge
lm	lime, limestone
LMF	lowermost flange
LMn	Lower Menard
Lmpy	lumpy
LMTD	log mean temperature difference
lmy	limy
Lmy sh	limy shale
LN	line
ln	logarithm (natural)
LNG	liquefied natural gas
lngl	linguloid
lnr	liner
lns	lense
LO	load oil
LO	lube oil
LOA	length overall
loc	located, location
loc abnd	location abandoned
loc gr	location graded
log	logarithm (common)
long	longitude (inal)
LOS	lease operations
Lov	Lovell
Lov	Lovington
low	lower
LOX	liquid oxygen
LP	line pressure



LP	lodge pole
lp	loop
LP	low pressure
LP sep	low-pressure separator
LP-Gas	liquefied petroleum gas
LPG	liquefied petroleum gas
LPG	propane
LPO	local purchase order
LPS	low-pressure separation
LR	level recorder
LR	long radius
LRAP	long-range automation plan
LRC	level recorder controller
lrg	large
LRP	long-range plan
ls	limestone
LS	long string
LSD	legal subdivision (Canada)
LSD	light steel drum
lse	lease
LST/COMPTS	list of components
lstr	lustre
lt	light
LT	lower tubing
LT&C	long threads and coupling
ltd	limited
LTD	log total depth
ltg	lighting
LTL	less than truckload
ltl	little
ltr	letter
LTS Unit	low-temperature separation unit
LTSD	low-temperature shutdown
LTT	long-term tubing test

LTX unit	low-temperature extraction unit
lub	lubricate (ed) (ing) (tion)
Lued	Lueders
LUG	Ise use gas
LUX	light hydrocrackate
LV	liquid volume
LVI	low viscosity index
lvl	level
Lvnwth	Leavenworth
LW	lapweld
LW	load water
LWL	low water loss
lwr	lower

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**M**

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M	mesh
m	meter
$\mu$	micron
m $\mu$	millimicron
M	molar
M	thousand (i.e., 9M = 9,000)
M&R Sta.	measuring and regulating station
M. Tus	Marine Tuscaloosa
$\mu$ -a	microampere
$\mu$ -f	microfarad
$\mu$ -g	microgram
m-gr	medium grained
$\mu$ -in.	microinch
m-kg	meter-kilogram
$\mu$ - $\mu$	micromicron
$\mu$ - $\mu$ f	micro-microfarad
$\mu$ -v	microvolt

M&F	male and female (joint)
M&FP	maximum & final pressure
M&P	mix and pump
M/	middle
m/l	more or less
M/PLT	masking plate
M/T	marine terminal
M/V	motor vehicle, motor vessel
MA	massive anhydrite
ma	microampere
ma	milliampere
MA	mud acid
MAC	medium amber cut
mach	machine
Mack	Mackhank
Mad	Madison
mag	magnetic, magnetometer
maint	maintenance
maj	major, majority
mall	malleable
man	manifold
man	manual
man op	manually operated
Manit	Manitoban
Mann	Manning
MAOP	maximum allowable operating pressure
Maq	Maquoketa
mar	marine
mar	maroon
March	Marchand
marg	marginal
Marg.	Marginulina
Marg. coco	Marginulina coco
Marg. fl.	Marginulina flat

Marg. rd	Marginulina round
Marg. tex.	Marginulina texana
margas	marine gasoline
Mark	Markham
Marm	Marmaton
MARSH	Marshal (ling)
mass	massive
Mass pr.	Massilina pratti
Mat	matter
Math	mathematics
matl	material
MAW	mud acid wash
MAWP	maximum allowable working pressure
max	maximum
May	Maywood
MB	methylene blue
MB	Moody's Branch
MBF/D	thousand barrels fluid per day
Mbl Fls	Marble Falls
Mbo/d	thousand barrels oil per day
mbr	member (geologic)
MBTU	thousand British thermal units
MBW/D	thousand barrels of water per day
mc	megacycle
MC	mud cake
MC	mud cut
MC ls	Moore County lime
MCA	mud cleanout agent
MCA	mud-cut acid
MCB	master circuit board
McC	McClosky lime
MCC	motor control center
McCul	McCullough
McEl	McElroy



MCF	thousand cubic feet
Mcfd	thousand cubic feet per day
Mcfgpd	thousand cubic feet of gas per day
MCG	mud-cut gas
mchsm	mechanism
McK	McKee
McL	McLish
McMill	McMillan
MCO	mud-cut oil
MCP	maximum casing pressure
mcr-x	microcrystalline
MCSW	mud-cut salt water
MCT	computer-processed interpretation
MCW	mud-cut water
MD	measured depth
md	millidarcies
MD	Mt. Diablo
MDC	Monel drill collars
MDDO	maximum daily delivery obligation
MDF	market demand factor
mdl	middle
mdse	merchandise
MDQ	minimum daily quantity
Mdy	muddy
MEA	monoethanolamine
Meak	Meakin
meas	measure (ed) (ment)
mech	mechanic (al), mechanism
Mech DT	mechanical down time
med	median
Med	Medina
med	medium
Med B	Medicine Bow
med FO	medium fuel oil

med gr	medium grained
Medr	Medrano
Meet	Meeteetse
MEG	methane-rich gas
MEK	methylethylketone
memo	memorandum
Men	Menard lime
Mene	Menefee
MEOH	methanol
MEP	mean effective pressure
MER	maximum efficient rate
Mer	Meramec
merc	mercury
mercap	mercaptan
merid	meridian
Meso	Mesozoic
meta	metamorphic
meth	methane
meth-bl	methylene blue
meth-cl	methyl chloride
methol	methanol
methr	methanator
metr	metric
mev	million electron volts
mezz	mezzanine
MF	manifold
MF	mud filtrate
MF-	Miscellaneous Field Studies Map
MFA	male to female angle
mfd	manufactured
MFD	mechanical flow diagram
mfd	microfarad
mfg	manufacturing
MFP	maximum flowing pressure

MFR	manufacture (er)
mg	medium grained
mg	milligram
mg	motor generator
MG	multigrade
MG	thousand gallons
m'gmt	management
mgr	manager
MGS	middle ground shoals
MH	manhole
mh	millihenry
MH	mousehole
mho/m	mhos per meter
MHz	megahertz (megacycles per second)
MI	malleable iron
MI	mile (s)
MI	mineral interest
MI	moving in (equipment)
mica	mica, micaceous
MICR	moving in completion rig
micro-xin	microcrystalline
microsec	microsecond
MICT	moving in cable tools
MICU	moving in completion unit
mid	middle
Mid	Midway
MIDDU	moving (moved) in double drum unit
MIE	moving in equipment
MIK	methylisobutylketone
mil	military
mill	milliotitic
millg	milling
MIM	moving in materials
min	minerals

min	minimum
min	minute (s)
min P	minimum pressure
Minl	Minnelusa
Mio	Miocene
MIPU	moving in pulling unit
MIR	moving in rig
MIRT	moving in rotary tools
MIRU	moving in and rigging up
MIRUSU	moving in rigging up swabbing units
misc	miscellaneous
Mise	Misener
MISR	moving in service rig
Miss	Mississippian
Miss Cany	Mission Canyon
MIST	moving in standard tools
MIT	moving in tools
MIU	moisture impurities and unsaponifiables (grease-testing)
mix	mixer
MIXG	mixing
MKG	making
mkt	market (ing)
Mkta	Minnekahta
mky	milky
ml	milliliter
ML	mud logger
ml TEL	milliliters tetraethyl lead per gallon
ml	milled
Mle	milled one end
mlg	milling
MLL	master load list
MLU	mud logging unit
MLW	mean low wave



MLW-PLAT	mean low water to platform
Mly	marly
mm	millimeter
MM	million (i.e., 9MM = 9,000,000)
MM	motor medium
mm Hg	millimeters of mercury
MMBLS	millions of barrels
MMBTU	million British thermal units
MMcf	million cubic feet
MMcfd	million cubic feet per day
mmf	magnetomotive force
MMRVB	million reservoir barrels
MMS	Minerals Management Service
MMscfd	million standard cubic feet per day
MNL	manual
MNR	minor
mnrl	mineral
MO	molybdenum
MO	motor oil
MO	moving out
mob	mobile
MOCT	moving out (off) cable tools
MOCU	moving out completion unit
mod	model
mod	moderate (ly)
mod	modification
modu	modular
MOE	milled other end
MOE	moving out equipment
Moen	Moenkopi
mol	molasses
mol	mole
MOL	molecule, molecular
mol	mollusca

mol wt	molecular weight
mon	monitor
MON	motor octane number
Mont	Montoya
Moor	Mooringsport
MOP	maximum operating pressure
Mor	Morrow
MOR	moving out rig
Morr	Morrison
MORT	moving out (off) rotary tools
Mos	Mosby
mot	motor
mott	mottled
MOU	motor oil units
mov	moving
Mow	Mowry
MP	maximum pressure
MP	mechanical properties
MP	melting point
MP	multipurpose
mPa	megapascal
MPB	metal petal basket
MPGH-lith	multipurpose grease lithium base
MPGR-soap	multipurpose grease soap base
MPH	miles per hour
MPT	male pipe thread
MPY	miles per year
MR	marine rig
MR	meter run
Mr	milliroentgen
MRF	“merf”/main reaction furnace
MRK	marking
mrlst	marlstone
MRQ	memo requesting quote (s)



Ms	millisecond (s)
MS	motor severe
MSA	multiple service acid
MSC	mapping subcommittee
Mscf	thousand standard cubic feet
Mscf/d	thousand standard cubic feet per day
Mscf/h	thousand standard cubic feet per hour
MSDS	material safety data sheets
Msl	mean sea level
MSP	maximum surface pressure
MSR	mud/silt remover
Mstr	master
MSW	muddy salt water
MSWG	miscible substance group
MT	empty container
MT	magnetic particle examination
MT	marcaroni tubing
Mt. Selm	Mount Selman
MTD	maximum total depth
MTD	mean temperature difference
MTD	measured total depth
mtd	mounted
mtg	mounting
mtge	mortgage
mtl	material
MTO	material take-off
MTP	maximum top pressure
MTP	maximum tubing pressure
mtr	meter
MTR	motor
MTS	mud to surface
Mtx	matrix
mud wt	mud weight
mudst	mudstone

MULTX	multiply, multiplexer
musc	muscovite
MUX	middle hydrocrackate
mv	millivolt
Mvde	Mesa Verde
MVFT	motor vehicle fuel tax
MVOP	monthly volume operation plan
MW	megawatt
MW	microwave
MW	mud weight
MW	muddy water
MWD	marine wholesale distributors
MWP	maximum working pressure
MWPE	mill wrapped plain end
Mwy	Midway
mxd	mixed
M1E	milled one end
M2E	milled two ends
m <sup>3</sup> /d	cubic meters per day

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**N**

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N	Newton
N	nonproducer
N	normal (to express concentration)
N	north
N. Cock.	Nonionella Cockfieldensis
N/O	north offset
N/S S/S	nonstandard service station
N/tst	no test
N/2	north half
N/4	north quarter
NA	not applicable



NA	not available
Nac	Nacotoch
nac	nacreous
NaCL	sodium chloride
NaCO <sub>3</sub>	sodium carbonate
NAG	no appreciable gas
NALRD	Northern Alberta Land Registration district
NaOH	sodium hydroxide
nap	naptha
NARR	narrative
nat	natural
nat'l	national
Nav	Navajo
Navr	Navarro
NB	new bit
NB	nitrogen blanket
Nbg	Newburg
NC	no change
NC	no core
NC	normally closed
NC	not completed
NCT	national coarse thread
NCT	noncontiguous tract
ND	nippled down
ND	nondetergent
ND	not drilling
NDBOPs	nipple (ed) (ing) down blowout preventers
NDE	not deep enough
NSG	no show gas
Ndl Cr	Noodle Creek
NDT	nipple-down tree
NDT	nondestructive testing
NE	nonemulsifying agent
NE	northeast

NE/4	northeast quarter
NEA	nonemulsion acid
NEC	National Electric Code
NEC	northeast corner
neg	negative
neg	negligible
NEGO	negotiation
NEL	northeast line
NEP	net effective pay
neut	neutral neutralization
Neut. No.	Neutralization Number
New Alb	New Albany shale
Newc	Newcastle
NF	National Fine (thread)
NF	natural flow
NF	no fluid
NF	no fluorescence
NF	no fuel
NFD	new field discovery
NFOC	no fluorescence or cut
NFW	new field wildcat
NG	natural gas
NG	no gauge
NG	no good
NGL	natural gas liquids
NGTS	no gas to surface
NHDS	naptha-hydrogen desulfurization
NH <sub>3</sub>	ammonia
NH <sub>4</sub> Cl	ammonium chloride
NIC	not in contract
NID	notice of intention to drill
Nig	Niagra
Nine	Ninnescah
Niob	Niobrara

nip	nipple
nitro	nitoglycerine
NL	north line
NL Gas	nonleaded gas
NLL	neutron lifetime log
N'yly	northerly
NMI	nautical line
NO	new oil
NO	Noble-Olson
NO	normally open
NO	number
No Inc	no increase
no rec	no recovery
No.	number (before a number, i.e., No. 3)
NOB	not on bottom
nod	nodule, nodular
Nod. blan.	Nodosaria blanpiedi
Nod. Mex.	Nodosaria mexicana
NOJV	nonoperated joint ventures
nom	nominal
Non	Nonionella
nonf G	nonflammable compressed gas
NOP	nonoperating property
NOR	no order required
nor	normal
NOV	notice of violation
noz	nozzle
NP	nameplate
NP	nickel plated
NP	no production
NP	nonporous
NP	not prorated
NP	not pumping
NP	notary public

NPD	new pool discovery
NPDES	National pollution discharge elimination system
NPL	nipple
npne	neoprene
NPOS	no paint on seams
NPR	Naval Petroleum Reserve
NPRA	Naval Petroleum Reserve, Alaska
NPS	nominal pipe size
NPSH	net positive suction head
NPT	National pipe thread
NPTF	National pipe thread, female
NPTM	National pipe thread, male
NPW	new pool wildcat
NPX	new pool exempt (nonprorated)
NR	new rod
NR	no recovery
NR	no report, not reported
NR	nonreturnable, no returns, not reached
NRI	net revenue interest
NRS	nonrising stem (valve)
NRSB	nonreturnable steel barrel
NRSD	nonreturnable steel drum
NS	no show
NSC	not suitable for coating
NSFOC	no show fluorescence or cut
NSO	no show oil
NOS&G	no show oil and gas
NSPS	new source performance standards
nstd	nonstandard
NT	net tons
NT	no time
NTD	new total depth
NTP	notice to proceed
NTS	not to scale



NU	naphfining unit
NU	nippled (ing) up
NU	nonupset
NUBOPs	nipple (ed) (ing) up blowout prevents
NUE	nonupset ends
Nug	nugget
num	numerous
NUT	nipple up tree
NUWH	nippling up wellhead
NVP	no visible porosity
NW	no water
NW	northwest
NW/C	northwest corner
NW/4	northwest quarter
NWL	northwest line
NWT	Northwest Territories
NYA	not yet available
NYD	not yet drilled
NYL	nylon
N <sub>2</sub>	nitrogen



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O	oil
O	Osborne
O sd	oil sand
O&G	oil and gas
O&GC SULW	oil and gas-cut sulfur water
O&GCAW	oil and gas-cut acid water
O&GCLW	oil and gas-cut load water
O&GCM	oil and gas-cut mud
O&GCSW	oil and gas-cut salt water
O&GCW	oil and gas-cut water

O&GL	oil and gas lease
O&M	operations and maintenance
O&SW	oil and salt water
O&SWCM	oil and sulfur water-cut mud
O&W	oil and water
O/S	out of service over and short (report)
O/S	out of stock
O/T tk	open-top tank
OA	overall
OAH	overall height
Oakv	Oakville
OAL	overall length
AW	oil abandoned well
OB	off bottom
obj	object
OBM	oil-based mud
OBS	outboard motor oil
OBS	observation
OBS	ocean bottom suspension
obso	obsolete
OBW&RS	optimum bit weight and rotary speed
OC	oil cut
OC	on center
OC	open choke
OC	open cup
OC	operations commenced
OC-	Oil and Gas Investigations Chart
OCB	oil circuit breaker
occ	occasional (ly)
OCM	oil-cut mud
OCS	Outer Continental Shelf
OCSW	oil-cut salt water
oct	octagon, octagonal
oct	octane



OCW	oil-cut water
od	odor
OD	outside diameter
Odel	O'Dell
ODT	oil down to
OE	oil emulsion
OE	open end
OE	overexpenditure
OEB	other end beveled
OEM	oil emulsion mud
OF	open flow
OF	open-file report
off	office, official
off-sh	offshore
OFIC	oil insulated fan-cooled
OFL	overflush (ed)
OFLU	oil fluorescence
OFOE	orifice flange one end
OFP	open flow potential
OFS	offsite
O'H	O'Hara
OH	open hearth
OH	open hole
OH	overhead
ohm	ohm
ohm-cm	ohm-centimeter
ohm-m	ohmmeter
OI	oil insulated
OIFC	oil insulated, fan cooled
OIH	oil in hole
Oil Cr	Oil Creek
oilfract	oil fractured
OIP	oil in place
OISC	oil insulated, self-cooled

OIT	oil in tanks
OIWC	oil immersed, water cooled
OL	off / on location
OL	open line (no choke)
ole	olefin
Olig	Oligocene
OLN	outline
OMRL	oriented microresistivity
ONR	octane number requirement
ONRI	octane number requirement increase
OO	oil odor
ooc	ooliclastic
OOIP	original oil in place
ool	oolitic
oom	oolimoldic
OP	articles published in outside journals/books
OP	oil pay
OP	outpost
OP	overproduced
op hole	open hole
OPB	old plugback
OPBD	old plugback depth
oper	operate, operations, operator
Operc	Operculinoides
OPI	oil payment interest
opn	open (ed) (ing)
OPO	overseas procurement office
opp	opposite
OPT	official potential test
OPTL	optional
optn to F/O	option to farmout
OR	orange
Or	Oread
Ord	Ordovician



orf	orifice
org	organic
org	organization
ORIENT	orientation
orig	original, originally
Orisk	Oriskany
ORR	overriding royalty
ORRI	overriding royalty interest
orth	orthoclase
OS	oil show
Os	Osage
OS	overshot
OS&F	odor stain and fluorescence
OS&Y	outside screw and yoke (valve)
OSA	oil-soluble acid
OSD	operation shutdown
OSF	oil string flange
OSI	oil well shut in
OSIDP	oil standing in drillpipe
Ost	Ostracod
OSTN	oil stain
OSTOIP	original stock tank oil in place
Osw	Oswego
OT	open tubing
OT	overtime
OT&S	odor taste & stain
OTD	old total depth
OTD	original total depth
OTE	oil-powered total energy
Otl	outlet
OTS	oil to surface
OTS&F	odor taste stain and fluorescence
OU	oil unit
Our	Ouray

Ovhd	overhead
OWC	oil-water contact
OWDD	oil well drilled deeper
OWF	oil well flowing
OWFWF	oil well from water flood
OWG	oil well gas
OWPB	old well plugged back
OWST	old well sidetracked
OWWO	old well worked over
ox	oxidized, oxidation
oxy	oxygen
oz	ounce

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**P**

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P	professional paper
P&A	plugged and abandoned
P&ID	process & instrument diagram
P&NG	petroleum and natural gas
P Lar	Post Laramine
P tstg	pump testing
p.	page (before a number, i.e., p. 4)
P.O.	Pin Oak
P.O.	Post Oak
P.P.	present production
P-HDII	perforating Hyperdome II
P-M	Pensky-Martins (flash)
P&C	personal and confidential
P&F	pump and flow
P&IDS	pipng and instrument diagrams
P&L	profit and loss
P&P	porosity and permeability
P&P	porous and permeable



P/	pump
P/BLDG	pump building
P/DIA	piping diagram
PA	participating area
Pa	Pascal
PA	pooling agreement
PA	pressure alarm
PA	public address
PAB	per-acre bonus
Padd	Paddock
Paha	Pahasapa
Pal	Paluxy
Paleo	paleontology
Paleo	Paleozoic
Palo P	Palo Pinto
Pan L	Panhandle Lime
PAR	per-acre rental
Para	Paradox
Park C	Park City
PART	partial
pat	patent (ed)
patn	pattern
pav	paving
Paw	Pawhuska
PB	plugged back
PB	pressure base
PB-ADA	report available only through National Technical Information Service
PBD	plugged-back depth
PBE	plain both ends
PBHL	proposed bottom-hole location
pbl (y)	pebble, pebbly
PBP	pulled bid pipe
PBTD	plugged back total depth

PBW	pipe butt weld
PBX	private branch exchange
PBX	switchboard
PC	Paint Creek
pc	piece
PC	poker chipped
pc	port collar
PC	Porter Creek
PCF	pounds per cubic foot
pct	percent
PCV	positive crankcase ventilation
PCV	pressure control valve
PD	geopressure development, failure
pd	paid
PD	per day
PD	plug down
PD	present depth
PD	pressed distillate
PD	proposed depth
PD	pulsation dampner
PD	pumper's depth
PDC	power distribution center
PDC	pressure differential controller
PDET	production department exploratory test
PDI	pressure differential indicator
PDIC	pressure differential indicator controller
PDR	pressure differential recorder
PDRC	pressure differential recorder controller
PDS	geopressure development, success
PDS	power distribution system
pdso	pseudo
pe	pin end
PE	plain end
PE	pumping equipment



PEB	plain end beveled
PED	pedestal
pell	pellletal, pelletoidal
pen	penetration, penetration test
Pen A.C.	penetration asphalt cement
penal	penalty, penalize (ed) (ing)
Penn	Pennsylvanian
perco	percolation
perf	perforate (ed) (ing) (or)
perf csg	perforated casing
perm	permanent
perm	permeable (ability)
Perm	Permian
perp	perpendicular
pers	personnel
PERT	performance evaluation and review technique
pet	petroleum
Pet	Pettet
Pet sd	Pettus sand
petrf	petroliferous
petrochem	petrochemical
Pett	Pettit
PEW	pipe electric weld
pf	per foot
PF	power factor
pdf	preferred
PFD	process flow diagram
PFM	power factor meter
PFRACT	prefractionator
PFT	pumping for test
PG	Pecan Gap
Pg	plug
PGC	Pecan Gap chalk
PGW	producing gas well

pH	acidity or alkalinity
pH	hydrogen ion concentration
pH	measure of hydrogen potential
Ph	parish
ph	phase
PHC	pipe-handling capacity
Phos	Phosphoria
PI	penetration index
PI	Pine Island
PI	pressure indicator
PI	productivity index
PI	pump in
PIC	pressure indicator controller
Pic Cl	Pictured Cliff
pinpt	pinpoint
PIP	pump-in pressure
piso	pisolites, pisolitic
pit	pitted
PJ	pump jack
PJ	pump job
pk	pink
pkg (d)	packing, package (ed)
pkr	packer
PL	pipeline
PL	plate
PL	property line
pl fos	plant fossils
Plan. palm.	Planulina palmarie
Plan. har.	Planulina harangensis
plas	plastic
PLASR	plaster
platf	platform
plcy	pelecypod
pld	pulled



PLE	plain large end
Pleist	Pleistocene
plg	plagioclase
plg	pulling
plgd	plugged
Plio	Pliocene
PLMB	plumbing
pln	plan
plngr	plunger
PLO	pipeline oil
PLO	pumping load oil pilot
plt	pilot
PLT	pipeline terminal
plt	plant
plty	platy
PLV	pilot loaded valve
PLW	pipe lapweld
P-M	Pensky Martins
PML	production management
pmp (d) (g)	pump (ed) (ing)
pmt	payment
PN	Performance Number (aviation gas)
pneu	pneumatic
pnl	panel
PNL BD	panel board
PNR	please note and return
po	Phrohotite
PO	pulled out
PO	pumps off
PO	purchase order
POB	plug on bottom
POB	pump on beam
POCS	Pacific Outer Continental Shelf
POD	plan of development

Pod.	Podbielniak
POE	plain one end
POGW	producing oil and gas well
POH	pulled (put) out of hole
pois	poison
pol	polish (ed)
poly	polymerization, polymerized
poly cl	polyethylene
polygas	polymerized gasoline
polypl	polypropylene
PONA	paraffins-olefins-naphthenes-aromatics
Pont	Pontotoc
POOH	pull (put) out of hole
POP	putting on pump
por	porosity, porous
porc	porcelaneous
porc	porcion
port	portable
pos	position
pos	positive
poss	possible (ly)
pot	potential
pot dif	potential difference
POT/WTR	potable water
pour ASTM	pour point (ASTM method)
POW	producing oil well
POWF	producing oil well, flowing
POWP	producing oil well, pumping
PP	pinpoint
PP	production payment
PP	pulled pipe
PP	pump pressure
ppb	parts per billion
PPB	pounds per barrel



ppd	prepaid
ppg	pipng
PPG	pounds per gallon
PPI	production payment interest
PPI	Process Performance Index
ppm	parts per million
ppn no	precipitation number
PPP	pinpoint porosity
ppt	precipitate
pr	pair
PR	polished rod
pr	poor
PR	pressure recorder
PR	public relations
PR	purchasing request
pr op	present operations
PR&T	pull (ed) rods and tubing
PRC	pressure recorder control
prcst	precast
prd	period
Pre Camb	Precambrian
PRECIP	precipitator
predom	predominant
prefab	prefabricated
prehtr	preheater
prelim	preliminary
prem	premium
Prep	prepare, preparing, preparation
press	pressure
prest	prestressed
prev	prevent, preventive
PREV	previous
PREV DA AVG	previous daily average
PRF	Primary Reference Fuel

pri	primary
prin	principal
priv	privilege
prly	pearly
prmt	permit
prncpl lss	principal lessee (s)
pro	prorated
prob	probable (ly)
proc	process
prod	produce (ed) (ing) (tion), product (s)
prog	progress
proj	project (ed) (ion)
PROP	property
prop	proportional
prop	propose (ed)
prot	protection
Protero	Proterozoic
Prov	provincial
prsm	prism(atic)
PRPT	preparing to take potential test
prtgs	partings
PS	pressure switch
ps	pseudo
PS	pump station
PSA	packer set at
PSB	pressure seal bonnet
PSD	permanently shut down
PSD	prevention of significant deterioration, EPA
PSE	plain small end
psf	pounds per square foot
psi, PSI	pounds per square inch
PSI	profit-sharing interest
psia, PSIA	pounds per square inch absolute
psig, PSIG	pounds per square inch gauge



PSL	pipe sleeve
PSL	Public School Land
PSM	pipe seamless
Psp	prospect
PSV	pressure safety valve
PSW	pipe spiral weld
PT	liquid penetrant examination
pt	party, partly
pt	pint
pt	point
Pt Lkt	Point Lookout
PT	potential test
PTC	permanent type completion
PTD	present total depth
PTD	projected total depth
PTD	proposed total depth
PTF	production test flowed
PTG	pulling tubing
PTN	partition
PTP	production test pumped
PTR	pulling tubing and rods
PTS pot	pipe to soil potential
PTTF	potential test to follow
PU	picked up
PU	pulled up
PU	pumping unit
PUC	project ultimate cost
PUDP	picking up drillpipe
PUIC	pulled up in casing
PULS	pulse (sating) (sation)
PURCH	purchasing
PURF	purification
purp	purple
PV	plastic viscosity

PV	pore volume
PVC	polyvinyl chloride
pvmt	pavement
PVR	plant (pressure) volume reduction
PVT	pressure-volume temperature
PW	producing well
PW(15)	present worth at discount rate of 15%
PWHT	postweld heat treatment
PWR	power
PWY	pipeway
PWZ	peripheral wedge zone
Pxy	Paluxy
pyls	pyrolysis
pyr	pyrite, pyritic
pyrbit	pyrobitumen
pyrclas	pyroclastic



Q. City	Queen City
Q. sd	Queen Sand
QA	quality assurance
QC	quality control
QDA	quality discount allowance
QDRNT	quadrant
qnch	quench
QRC	quick ram change
qry	quarry
qt	quart (s)
qtr	quarter
qty	quantity
qtz	quartz, quartzite, quartzitic
qtzose	quartzose

quad	quadrant, quadrangle, quadruple
QUAL	qualitative
qual	quality
quan	quantity
quest	questionable
quint	quintuplicate

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## R

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R	radius
R	range
R	rankine (temp.scale)
R	resistivity
r	roentgen
R	rows
R&D	research and development
R&T	rods and tubing
R test	rotary test
R.O.	Red Oak
R(16")	resistivity (as recorded from 16" electrode configuration)
R-SP	recommended spare part
R&L	road & location
R&LC	road & location complete
R&O	rust and oxidation
R/A	regular acid
RA	radioactive
RA	right angle
RACTR	reactor
rad	radical
rad	radiological
rad	radius
RADT	radiant

radtn	radiation
RAGL	raw gas lift
RALOG	running radioactive log
Rang	Ranger
RB	rock bit
RB	rotary bushing
RBLR	reboiler
Rbls	rubber balls
RBM	rotary bushing measurement
RBP	retrievable bridge plug
rbr	rubber
RBSO	rainbow show of oil
RBSOF	rubber ball sand oil frac
RBSWF	rubber ball sand water frac
RC	rapid curing
RC	Red Cave
RC	remote control
RC	reverse circulation
RC	running casing
RCO	returning circulation oil
RCPT	receptacle
RCR	Ramsbottom Carbon Residue
RCR	reverse circulation rig
RCTN	reaction
RCVR	receiver
RCVY	recovery
RCYL	recycle
RD	redrilled
RD	rigged (ing) down
rd	road
rd	round
Rd Bds	red beds
Rd Fk	Red Fork
Rd Pk	Red Peak



rd thd	round thread
RDB	rotary drive bushing
RDB-GD	rotary drive bushing to ground
RDCR	reducer
rdd	rounded
RDMO	rigged down, moved out
RDS	reservoir description service
RDSU	rigged-down swabbing unit
rdtp	round trip
REABS	reabsorber
reacd	reacidize (ed) (ing)
React	reaction (ed)
rebar	reinforcing bar
rec	recommend
rec	record (er) (ing)
rec	recover (ed) (ing), recovery
recd	received
recip	reciprocate (ing)
recirc	recirculate
recomp	recomplete (ed) (ion)
RECOMP	recompressor
recond	recondition (ed)
recp	receptacle
rect	rectangle, rectangular
rect	rectifier
recy	recycle
red	reducing, reducer
red bal	reducing balance
redrld	redrilled
ref	reference
ref	refine (ed) (er) (ry)
refg	refining
refl	reflection
refl	reflux

REFMR	reformer
REFOO	re-evaluation for overoptimism
reform	reformate (er) (ing)
refr	refraction, refractory
REFRIG	refrigerator (rant) (tion)
reg	register
reg	regular, regulator
regen	regenerator
reinf	reinforce (ed) (ing) (ment)
reinf conc	reinforced concrete
rej	reject
rej'n	rejection
Rek	Reklaw
rel	relay
rel	release (ed)
REL	running electric log
reloc	relocate (ed)
rem	remains
rem	remedial
Ren	Renault
rent	rental
Reo. bath.	Reophax bathysiphoni
rep	repair (ed) (ing) (s)
rep	replace (ed)
rep	report
reperf	reperforated
repl	replace (ment)
REQ	request
req	requisition
reqd	required
reqmt	requirement
res	research
res	reserve (ation)
res	resistance, resistivity, resistor

Res. O. N.	Research Octane Number
resid	residual, residue
RESIS	resistor (s)
ret	retain (er) (ed) (ing)
ret	return
retd	returned
retr	retrievable
retr ret	retrievable retainer
rev	reverse (ed)
rev	revise (ed) (ing) (ion)
rev	revolution (s)
rev/O	reversed out
RF	raised face
RF	rig floor
RF FE	raised face, flanged end
RF G	roofing
RF G/BD	refrigeration building
RFLCT	reflect (ed) (ing) (tion)
RFP	request for proposal
RFQ	request for quote
RFR	ready for rig
RF SF	raised face, smooth finish
RF SO	raised face, slip on
RF WN	raised face, weld neck
RG	raw gas
rg	ring
RG	ring groove
Rge	range
rgh	rough
RGTR	register
RH	rat hole
RH	relative humidity
RH	right hand
RHD	righthand door

rheo	rheostat
RHM	rat hole mud
RHN	Rockwell hardness number
RI	royalty interest
Rib	ribbon sand
Rier	Rierdon rig
RIH	ran in hole
RIL	red indicating lamp
riv	rivet
RIZ	resistivity invaded zone
RJ	ring joint
RJFE	ring joint, flanged end
RK	rack
rk	rock
RKB	rotary kelly bushing
rky	rocky
RL	random lengths
rlf	relief
rlg	railing
rls (d) (ing)	release (ed) (ing)
rly	relay
rm	ream
Rm	resistivity, mud
rm	room
rmd	reamed
Rmf	resistivity, mud filtrate
rmg	reaming
rmn	remains
RMS	root mean square
rmv (l)	remove (al) (able)
rnd	rounded
rng	running
RO	reversed out
ro	rose



Ro	Rosiclare sand
Rob	Robulus
Rod	Rodessa
ROF	rich oil fractionator
ROGL	rotative gas lift
ROI	return on investment
Rok	remove
Rok	rock
ROL	rig on location
ROM	rough order of magnitude
ROM	run of mine
RON	Research Octane Number
ROP	rate of penetration
ROR	rate of return
ROS	remote operating system (station)
rot	rotary, rotate, rotator
ROW	right of way
roy	royalty
RP	rock pressure
rpm	revolutions per minute
rpmn	repairman
RPP	retail pump price
RPRT	report
rps	revolutions per second
rptd	reported
RR	railroad
RR	Red River
RR	rig released
RR	rig repair
RR	rigging rotary
RR&T	ran (running) rods and tubing
RS	rig service
RS	rig skidded
RS	rising stem (valve)

RSD	returnable steel drum
rsns	resinous
RSU	released swab unit
rsvr	reservoir
RT	radiographic examination
RT	rig time
RT	rotary time
RT	rotary tools
RT CB	round trip changed bit
rtd	retard (ed)
RTD	rotary total depth
rtg	rating
RTG	routing
RTG	running tubing
RTJ	ring tool joint
RTJ	ring-type joint
RTL	Refinery Technology Laboratory
RTLTM	rate too low to measure
RTMTR	rotameter
rtnr	retainer
RTTS	retrievable test treat squeeze (tool)
RTU	remote terminal unit
RU	rig (ged) (ging) up
RU	rotary unit
RUCC	rig-up casing crew
RUCT	rigging-up cable tools
RUM	rigging-up machines
RUP	rigging-up pump
rupt	rupture
RURT	rigging-up rotary tools
RUSR	rigging-up service rig
RUST	rigging-up standard tools
RUSU	rigging-up swabbing unit
RUT	rigging-up tools

RV	relief valve
RVP	Reid vapor pressure
rvs (d)	reverse (ed)
RVT	rivet
Rw	resistivity, water
Rwa	resistivity, water (apparent)
rwk (d)	rework (ed)
RWTP	returned well to production
Rxo	resistivity, flushed zone

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## S

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S	seconds
S	south
S	stratigraphic test
s&s	spigot and spigot
S&T	shell and tube
S Bomb	sulfur by bomb method
S O	south offset
S Riv	Seven Rivers
S.L.	sea level
S-T-R	section-township-range
S&F	swab and flow
S&O	stain and odor
s&p	salt and pepper
S/C	speed/current
S/E	screwed end
S/FAB	shop fabrication
s/p	shipping point (purchasing term)
S/SR	sliding-scale royalty
S/SW	screwed and socketweld
S/T	sample tops
S/T	speed/torque

S/WTR	sanitary water
S/2	south half
s,t&b	sides, tops, & bottoms
SA	seal assembly
Sab	Sabinetown
sach	saccharoidal
Sad Cr	Saddle Creek
sadl	saddle
saf	safety
SAF/DPT	safety/department
SAFE	surface approximation and formation evaluation
Sal	Salado
sal	salary, salaried
sal	salinity
Sal Bay	Saline Bayou
salv	salvage
samp	sample sanitary
SAN	sanitary
San And	San Andres
San Ang	San Angelo
San Raf	San Rafael
Sana	Sanastee
sani	sanitary
sap	saponification
Sap No.	saponification number
Sara	Saratoga
sat	saturated, saturation
Saw	Sawatch
Sawth	Sawtooth
Say Furol	Saybolt furol
SB	sideboom
SB	sleeve bearing
SB	stuffing box
sb	sub



Sb	Sunburst
SBA	secondary butyl alcohol
SBB&M	San Bernardino base and meridian
SBHP	static bottom-hole pressure
sc	scales
SC	self-contained
SC	show condensate
SC DL	slip and cut drill time
SCAF	scaffolding
scat (d)	scatter (ed)
scf, SCF	standard cubic foot
scfd, SCFD	standard cubic feet per day
scfh, SCFH	standard cubic feet per hour
scfm, SCFM	standard cubic feet per minute
sch	schedule
schem	schematic
sclly	securaloy
scolc	scolescodonts
scr	scraper
scr	scratcher
scr	screen
scr (d)	screw (ed)
scrub	scrubber
SCSSV	surface-controlled subsurface safety valve
sctrd	scattered
sd, SD	sand
SD	shut down
sd&sh	sand and shale
SD Ck	side door choke
Sd SG	sand showing gas
Sd SO	sand showing oil
SDA	shut down to acidize
sdd	sanded
SDFN	shut down for night

SDF	shut down to fracture
sdfract	sandfracked
SDG	siding
SDL	shut down to log
SDO	show of dead oil
SDO	shut down for orders
sdoilfract	sand-oil fracked
SDON	shut down overnight
SDP	set drillpipe
SDPA	shut down to plug and abandon
SDPL	shut down for pipeline
SDR	shut down for repairs
sdtkr	sidetrack (ed) (ing)
SDW	shut down for weather
SDWL	sidewall
SDWO	shut down awaiting orders
sdwtrfract	sand-water fracked
sdY	sandy
sdY li	sandy lime
sdY sh	sandy shale
SE	southeast
SE NA	screw end American National Acme thread
SE NC	screw end American National Coarse thread
SE No.	steam emulsion number
SE NTP	screw end American National Taper Pipe thread
SE/C	southeast corner
SE/4	southeast quarter
Sea	Seabreeze
sec	secant
sec	second (ary)
sec	secretary
sec	section
SECT	section (s) (al) (ing)
sed	sediment (s)

Sedw	Sedwick
SEG	segment
seis	seismograph, seismic
sel	selenite
Sel	Selma
SELECT	selection (tive) (tor)
Sen	Senora
SEO	seal oil
SEP	separate, separator, separation
sept	septuplicate
seq	sequence
ser	series, serial
Serp	serpentine
Serr	Serratt
serv	service (s)
serv chg	service charge
set	settling
sew	sewer
SEWOP	self-elevating work platform
Sex	sexton
sext	sextuplicate, sextuplet
SF	sandfrac
sfc	surface
SFD	system flow diagram
SFL	starting fluid level
SFLU	slight, weak, or poor fluorescence
SFO	show of free oil
SFP	surface flow pressure
SFT	sample formation tester
sft	soft
SG	show gas
SG	surface geology
SG&W	show gas and water
SG&C	show gas and condensate

SG&D	show gas and distillate
SG&O	show gas and oil
SGCM	slightly gas-cut mud
SGCO	slightly gas-cut oil
SGCSW	slightly gas-cut salt water
SGCW	slightly gas-cut water
SGCWB	slightly gas-cut water blanket
SGCWC	slightly gas-cut water cushion
sgd	signed
sgl (s)	single (s)
sh	shale
sh	sheet
SH	substructure height
Shan	Shannon
SHDP	slim-hole drillpipe
Shin	Shinarump
shld	shoulder
shls	shells
SHLT	shelter
shly	shaly
SHM	solar heat medium
shp	shaft horsepower
shp(g)	ship (ping)
shpt	shipment
shr	shear
SHT	straight-hole test
SHTG	sheeting
SHTG	shortage
shthg	sheathing
SI	shut in
SIBHP	shutin bottom-hole pressure
SICP	shutin casing pressure
SIGW	shutin gas well
SIH	started in hole



Sil	Silurian
silic	silica, siliceous
silt	siltstone
sim	similar
Simp	Simpson
SIOW	shutin oil well
SIP	shutin pressure
Siph. d.	Siphonina davisii
SITP	shutin tubing pressure
SIWHP	shutin wellhead pressure
SIWOP	shutin, waiting on potential
sk	sack (s)
SK	sketch
Sk Crk	Skull Creek
skim	skimmer
Skn	Skinner
skr d	sucker rod
sks	slickensided
skt	socket
SL	section line
sl	sleeve
SL	south line
SL	state lease
SLC	steel line correction
sld	sealed
sli	slight (ly)
Sli	Sligo
sli SO	slight show of oil
slky	silky
SLM	steel line measurement
SLNCR	silencer
sln	solenoid
SLPR	sleeper
Slt Mtn	Salt Mountain

Sltly	salty
sly	silty
SLUR	slurry
slv	sleeve
S'ly	southerly
SM	Seward Meridian (Alaska)
sm	small
SM	surface measurement
Smithw	Smithwick
Smk	Smackover
smls	seamless
smpl	sample
smth	smooth
SN	seating nipple
SNG	synthetic natural gas
SNUB	snubber, snubbing
SNUFF	snuffing
SO	shake out
SO	shaled out
SO	show of oil side opening
SO	side opening
SO	slip on
SO&G	show oil and gas
SO&GCM	slightly oil- and gas-cut mud
SO&W	show oil and water
SOC	start of cycle
SOCM	slight oil-cut mud
SOCSW	slight oil-cut salt water
SOCW	slight oil-cut water
SOCWB	slight oil-cut water blanket
SOCWC	slight oil-cut water cushion
sod gr	sodium-based grease
SOE	screwed on one end
SOF	sand-oil fracture



SOH	shot open hole
SOH	started out of hole
sol	solenoid
sol	solids
soln	solution
solv	solvent
som	somastic
somct	somastic coated
SONL	sonic log
SOOH	started out of hole
SOOH	strapped out of hole
SOP	standard operational procedure
SOR	start of run
sort	sorted (ing)
SOV	solenoid-operated valves
sow	socket weld
SP	self (spontaneous) potential
SP	set plug
sp	shipping point (purchasing term)
sp	shot point
sp	slightly porous
sp	spare
Sp	Sparta
sp	spore
SP	straddle packer
SP	surface pressure
sp	shipping point (purchasing term)
sp gr	specific gravity
sp ht	specific heat
SP SW	single pole switch
sp. vol.	specific volume
SP-DST	straddle packer drillstem test
spcl	special
spcr	spacer

spd	spud (ded) (der)
spdl	spindle
SPDT	single-pole double throw
SPDT SW	single-pole double throw switch
spec	specification
speck	speckled
SPF	shot per foot
spf	spearfish
spg	sponge
spg	sponge
SPGT	spigot
sph	spherules
Sphaer	Sphaerodina
sphal	sphalerite
spic	spicule (ar)
Spiro. b.	Spiroplectammina barrowi
spkr	sprinkler
spkt	sprocket
spl	sample
spl cham	sample chamber
spletp	Spindletop
SPLTR	splitter
sply	specialty
sply	splintery
SPM	strokes per minute
Spra	Spraberry
sprf	spirifers
Sprin	Springer
SPST	single-pole single throw
SPST SW	single-pole single throw stitch
SPT	shallower pool (pay) test
sptd	spotted
sptty	spotty
Spud Date	date actually started drilling



SPWY	spillway
sq	square
sq cg	squirrel cage
sq cm	square centimeter
sq ft	square foot
sq in	square inch
sq km	square kilometer
sq m	square meter
sq mm	square millimeter
sq pkr	squeeze packer
sq yd	square yard (s)
SQRT	square root
sqz	squeeze (ed) (ing)
SR	short radius
SR	swab rate
SR	swab run (s)
SRB	sulfate bacteria
SRG	surge
SRL	single random lengths
SRN	straight-run naphtha
srt	sort (ed) (ing)
SRV	safety relief valve
SS	sandstone
SS	service station
SS	shock sub
SS	short string
SS	single shot
SS	slow set (cement)
SS	small show
SS	stainless steel
SS	string shot
SS	subsea
SS	subsurface
SSA	spot sales agreement

SSG	slight show of gas
SSO	slight show of oil
SSO&G	slight show of oil and gas
SSSV	subsurface safety valve
SSU	Saybolt Seconds Universal
SSUW	salty sulfur water
ST	short thread
st	start
ST (g)	sidetrack (ing)
St L	Saint Louis lime
St Ptr	Saint Peter
St Gen	Saint Genevieve
ST&C	short threads & coupling
sta	station
Sta Marg	Santa Margarita
stab	stabilized (er)
STAG	staggered
Stal	Stalnacker
Stan	Stanley
stat	stationary
stat	statistical
State pot	state potential
stb, STB	stock tank barrels
stb/d, STBPD	stock tank barrels per day
stcky	sticky
std	stand (s) (ing)
std (s) (g)	standards
stdg	standing
stdy	steady
stdy	study
STDZN	standardization
Stel	Steele
steno	stenographer
Stens	Stensvad



STG	stage
stging	straightening
STH	sidetracked hole
STIF	stiffener
stip	stippled
stir	stirrup
stk	stock
stk	streak (s) (ed)
stk	stuck
stl	steel
stm	steam
STM	steel tape measurement
stm cyl oil	steam cylinder oil
stm eng oil	steam engine oil
STM TR	steam trace (ing)
stn (d) (g)	stain (ed) (ing)
Stn Crl	Stone Corral
stn/by	stand by
stncl (d) (g)	stencil (ed) (ing)
Stnka	Satanka
stnr	strainer
stoip	stock tank oil in place
stor	storage
STP	standard temperature and pressure
STPR	strip (per) (ping)
stpr (d)	stopper (rd)
Str	Strawn
strat	stratigraphic
strd	straddle
strd	strand (ed)
strg	storage
strg	strong
strg (r)	string (er)
stri	striated

strk	streak
STROH	strap out of hole
strom	stromatoporoid
strt	straight
strtd	straightened
struc	structure, structural
STTD	sidetracked total depth
STV	stock tank vapor
stv	stove oil
stwy	stairway
Sty Mtn	Stony Mountain
styo	styolite, styolitic
sub	subsidiary
sub	substance
sub angl	subangular
Sub Clarks	sub-Clarksville
sub rnd	subrounded
subd	subdivision
SUBST	substitute
substa	substation
suc	sucrose, sucrosic
suct	suction
sug	sugary
sul	sulfur
sul wtr	sulfur water
SULF	sulfur, sulfuric
sulf	sulfated
SUM	summarize
sum	summary
Sum	Summerville
Sunb	Sunburst
Sund	Sundance
Sup	Supai
supl	supply (ied) (ier) (ing)



supp	supplement
suppt	support
suprv	supervisor
supsd	superseded
supt	superintendent
sur	survey
Surp	surplus
SUS	Saybolt universal seconds
susp	suspended
SUSP CLG	suspended ceiling
SUV	Saybolt universal viscosity
SV	solenoid valve
svc	service
svcu	service unit
SVI	smoke volatility index
Svry	severy
SW	salt wash
SW	salt water
SW	socket weld
SW	southwest
SW	spiral weld
SW	switch
SW&W	show gas and water
SW/c	southwest corner
SW/4	southwest quarter
Swas	Swastika
SWB	seal-welded bonnet
swbd	swabbed, swabbing
swbd	switchboard
SWC	sidewall cores
SWCM	saltwater-cut mud
SWD	saltwater disposal
swd	swaged
SWDS	saltwater disposal system

SWDW	saltwater disposal well
Swet	sweetening
SWF	saltwater fracture
swgr	switchgear
SWI	saltwater injection
SWION	shut well in overnight
SWLD	seal weld
SWNP	sidewall neutron porosity
SWP	steam working pressure
SWR	statewide rules
SWRK	switchrack
SWS	sidewall samples
SWTS	salt water to surface
SWU	swabbing unit
sx	sacks
sxtu	sextuple
Syc	Sycamore
Syl	Sylvan
sym	symbol
sym	symmetrical
syn	synchronous, synchronizing
syn	synthetic
syn conv	synchronous converter
SYNSCP	synchroscope
SYNTH	synthesis
sys	system
sz	size

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**T**

T	tee
T	tooth, teeth
T	ton (after number-3T)



T	township (as T2N)
T&B	top and bottom
T&C	threaded and coupled
T&C	topping and coking
T.O.	temperature observation
T&BC	top and bottom chokes
T&G	tongue and groove (joint)
T&R	tubing and rods
T&W	tarred and wrapped
T/	top of (a formation)
T/Box	terminal box
T/BRD	terminal board
T/C	tank car
T/C	turbine compressor
T/pay	top of pay
T/S	top salt
T/sd	top of sand
TA	temporarily abandoned
TA	turn around
tab	tabular, tabulating
TACH	tachometer
Tag	Tagliabue
Tal	Tallahatta
Tamp	Tampico
TAN	tangent
Tan	Tansill
Tann	Tannehill
TAPS	Trans-Alaska Pipeline System
Tark	Tarkio
Tay	Taylor
TB	tank battery
TB	thin bedded
tb	tube
TB/BDL	tube bundle

TBA	tertiary butyl alcohol
TBA	tires, batteries, and accessories
TBE	threaded both ends
tbg	tubing
tbg chk	tubing choke
TBP	true boiling point
TC	temperature controller
TC	tool closed
TC	top choke
TC	tubing choke
TCC	tag closed cup (flash)
TCC	thermoform catalytic cracking
TCC	tubing and casing cutter
Tcf, TCF	trillion cubic feet
Tcf/d TCF/D	trillion cubic feet per day
TCP	tricresyl phosphate
TCV	temperature control valve
TD	time delay
TD	total depth
TDA	temporary dealer allowance
TDI	temperature differential indicator
TDR	temperature differential recorder
TDT	thermal decay time
TE	temporary
tech	technical, technician
TEFC	totally enclosed, fan cooled
tel	telephone, telegraph
TEL	tetraethyl lead
Tel Cr	Telegraph Creek
Temp	temperature
temp	temporary (ily)
Tens	Tensleep
tens str	tensile strength
Tent	tentaculites

tent	tentative
Ter	tertiary
termin	terminate (ed) (ing) (ion)
Tex	Texana
tex	texture
Text. art.	Textularia articulate
Text. d.	Textularia dibollensis
Text. h.	Textularia hockleyensis
Text. w.	Textularia warreni
TFB	trip (ped) for bit
Tfing	Three Finger
Tfks	Three Forks
TFNB	trip for new bit
tfs	tuffaceous
TG	temperature gradient
th	thence
TH	tight hole
Thay	Thaynes
THC	top hole choke
THD	thermal hydrodealkylation
thd	thread, threaded
Ther	Thermopolis
therm	thermometer
therm ckr	thermal crack
therst	thermostat
THF	tubinghead flange
THFP	top hole flow pressure
thk	thick, thickness
thrling	throttling
thrm	thermal
thru	through
Thur	Thurman
TI	temperature indicator
ti	tight

TIC	temperature indicator controller
TIH	trip in hole
TIM	Timpas
Timpo	Timpoweap
tk	tank
TKF	tank farm
tkg	tankage
tkr	tanker (s)
tl	tool (s)
tl jt	tool joint
TLE	thread large end
TLG	telegraph
TLH	top of liner hanger
TLP	tension leg platform
TML	tetramethyl lead
tndr	tender
TNS	tight no show
TO	temperature observation
TO	tool open
TOBE	thread on both ends
TOC	tag open cup (flash)
TOC	top of cement
TOCP	top of cement plug
Tod	Todilto
TOE	threaded one end
TOF	top of fish
TOH	trip out of hole
tol	tolerance
TOL	top of liner
tolu	toluene
Tonk	Tonkawa
tons	tons
TOP	testing on pump
topg	topping



topo	topographic, topography
TOPS	turned over to producing section
Tor	Toronto
Toro	Toroweap
TORT	tearing out rotary tools
TOS	top of salt
tot	total
Tow	Towanda
TP	tool pusher
TP	Travis Peak
TP	treating pressure
TP	tbg pressure
TP&A	theoretical production and allocation
TPC	tubing pressure, closed
TPF	threaded pipe flange
TPF	tubing pressure, flowing
tpk	turnpike
Tpka	Topeka
TPSI	tubing pressure shut in
TR	temperature recorder
TR	trace
TR	tract
trans	transfer (ed) (ing)
trans	transformer
trans	transmission
transl	translucent
transp	transparent
transp	transportation
TRC	temperature recorder controller
Tremp	Teremplealeau
Tren	Trenton
TRG	to be conditioned for gas
Tri	Triassic
trilo	trilobite

Trin	Trinidad
trip	triplicate
Trip	Tripoli
trip	tripolitic
trip	tripped (ing)
trk	truck
trkg	trackage
Trn	Trenton
TRNDC	transducer
TRO	to be conditioned for oil
TRQ	torque
trt (r)(d)(g)	treat (er) (ed) (ing)
trtr	treater
TRVL	travel (ed) (ing)
TS	tensile strength
TS	topo sheet evaluation
TSD	temporarily shutdown
TSE	thread small end
TSE-WLE	thread small end, weld large end
TSI	temporarily shut in
TSITC	temperature survey indicated top cement at
TSS	Tar Springs sand
tst (r) (g)	test (er) (ing)
tste	taste
TSTM	too small to measure
TT	tank truck
TT	through-tubing
TTC	through-tubing caliber
TTF	test to follow
TTL	total time lost
TTP	through-tubing plug
TTT	through the tanks
TTTT	turned to test tank
Tuck	Tucker

tuf	tuffaceous
Tul Cr	Tulip Creek
tung carb	tungsten carbide
TURB	turbo, turbine
Tus	Tuscaloosa
TV	television
TVA	temporary voluntary allowance
TVD	true vertical depth
TVP	true vapor process
TW	tank wagon
Tw Cr	Twin Creek
TWI	techniques of water-resources investigations
twp	township
TWR	tower
twst	townsite
twst off	twisted off
TWTM	too wet (weak) to measure
TWX	teletype
ty	type
typ	typical
tywr	typewriter

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## U

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U	unclassified
U/	upper (i.e., U/Simpson)
U/C	under construction
U/L	upper and lower
U/W	used with
U/WTR	utility water
UC	upper casing
UCH	use customer's hose
UD	under digging

UFD	utility flow diagram
UG	under gauge
UG	underground
UGL	universal gear lubricant
UHF	ultra-high frequency
ULJ	perforating, Ultrajet
ult	ultimate
UM	Umiat Meridian (Alaska)
UMB	umbrella (s)
un	unit
UNBAL	unbalanced
unbr	unbranded
UNC	unified coarse thread
unconf	unconformity
uncons	unconsolidated
undiff	undifferential
unf	unfinished
UNF	unified fine thread
uni	uniform
Univ	university, universal
UNLD	unloading
UNLDR	unloader
UPS	uninterruptible power supply
UR	underreaming
UR	unsulfonated residue
UR	used rod
USG	United States gauge
UST	ultrasonic test
UT	ultrasonic examination
UT	upper tubing
UT	upthrown
UTL	utility
UTM	universal transverse mercator
UV	ultraviolet

UV	Union Valley
Uvig. lir.	Uvigerina lirettensis

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## V

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v, V	volt
V	volume
v.	very (as very tight)
v.n.	very noticeable
v.c.	very common
V.P.S.	very poor sample
v.r.	very rare
v-f-gr	very fine-grained
v-HOCM	very heavily oil-cut mud
v-sli	very slight
V/DWG	vendor drawing
V/L	vapor-liquid ratio
V/S	velocity survey
v%	volume-percent
va	Volt-ampere
vac	vacant
vac	vacation
vac	vacuum
Vag. reg.	Vaginuline regina
Val	Valera
Vang	Vanguard
vap (r)	vapor (izor)
var	variable, various
var	volt-ampere reactive
vari	variegated
VARN	varnish
VCP	vitriified clay pipe
vel	velocity

vent	ventilator
Ver Cl	Vermillion Cliff
Verd	Verdigris
vert	vertical
ves	vesicular
VESS	vessel
vfg	very fine-grain (ed)
VGC	viscosity-gravity constant
VHF	very high frequency
VHGCM	very heavily (highly) gas-cut mud
VHGCSW	very heavily (highly) gas-cut salt water
VHGCW	very heavily (highly) gas-cut water
VHO&GCM	very heavily (highly) oil and gas-cut mud
VHO&GCSW	very heavily (highly) oil and gas-cut salt water
VHO&GCW	very heavily (highly) oil and gas-cut water
VHOCM	very heavily (highly) oil-cut mud
VHOCSW	very heavily (highly) oil-cut salt water
VHOCW	very heavily (highly) oil-cut water
Vi	Viola
VI	viscosity index
VIB	vibrate (or) (ing)
Virg	Virgelle
vis	viscosity
vis	visible
vit	vitreous
Vks	Vicksburg
VLAC	very light amber cut
vlv	valve
VM&P Naptha	varnish makers and painters naphtha
VOC	volatile organic compounds
Vogts	Vogtsberger
vol	volume
vol%	volume-percent
vol. eff.	volumetric efficiency

VOLT	voltage
VP	vapor pressure
VR	vapor recovery
vrs	varas
vr <b>tb</b>	vertebrate
vr <b>tl</b>	vertical
VRU	vapor recovery unit
vr <b>vd</b>	varved
VS	velocity survey
vs	versus
VSC	volumetric subcommittee
VSGCM	very slightly gas-cut mud
VSGCSW	very slightly gas-cut salt water
VSGCW	very slightly gas-cut water
VSM	vertical support member
VSO&GCM	very slightly oil- and gas-cut mud
VSO&GCSW	very slightly oil- and gas-cut salt water
VSO <b>CM</b>	very slightly oil-cut mud
VSO <b>CSW</b>	very slightly oil-cut salt water
VSO <b>CW</b>	very slightly oil-cut water
VSP	very slightly porous
VSSG	very slight show of gas
VSSO	very slight show of oil
vt	vapor temperature
vug	vuggy
vug	vugular

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**W**

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W	wall (if used with pipe)
W	water-supply paper
w	watt
W	west

W	wide
W Cr	Wall Creek
w shd	washed
W.O.B.	weight on bit
W-F	Washita-Fredericksburg
w-hr	watt-hour
W&R	wash and ream
w/	with
W/CLR	water cooler
W/L	water load
W/O	west offset
W/O	without
W/SSO	water with slight show of oil
W/S TK	welded steel tank
W/sulf O	water with sulfur odor
W/2	west half
w%	weight-percent
Wab	Wabaunsee
WAB	weak air blow
WACOG	Weighted Average Cost of Gas
WACT	weight averaged catalyst temperature
Wad	Waddell
WAG	water-alternating gas (or water and gas)
Wap	Wapanucka
War	Warsaw
Was	Wasatch
WaSd	Waltersburg sand
Wash	Washita
WB	water blanket
WB	wet bulb
WB	Woodbine
WBIH	went back in hole
WC	water closet
WC	water cushion (DST)



WC	water cut
WC	wildcat
WC	Wolfe City
WCM	water-cut mud
WCO	water-cut oil
WCTS	water cushion to surface
WD	water depth
WD	water disposal well
WD	wiring diagram
Wd R	Wind River
Wdfd	Woodford
WE	weld ends
Web	Weber
Well	Wellington
WF	new field wildcat, dry
WF	waterflood
WF	wide flange
WFD	new field wildcat, discovery
WFD	wildcat field, discovery
WH	wellhead
Wh Dol	white dolomite
Wh Sd	white sand
WHIP	wellhead injection pressure
whip	whipstick
WHL	wheel
whse	warehouse
whsle	wholesale
wht	white
Wl	washing in
Wl	water injection
Wl	working interest
Wl	wrought iron
Wich Alb	Wichita Albany
Wich.	Wichita

WIH	water in hole
Willb	Willberne
Win	Winona
Winf	Winfield
Wing	Wingate
Winn	Winnipeg
WIP	work in place
WIW	water injection well
wk	weak
wk	week
wkd	worked
wkg	working
wko	workover
wkor	workover rig
WL	water loss
WL	well lines
WL	west line
WL	wireline
wlbr	wellbore
WLC	wireline coring
wld	welded, welding
WLD/DET	welding detail (s)
wldr	welder
WLT	wireline test
WLTD	wireline total depth
W'ly	westerly
WN	weldneck
WNSO	water not shut off
WO	waiting on
WO	wash oil
WO	wash over
wo	washout
WO	wildcat outpost, dry
WO	work order



WO	workover
WOA	waiting on acid
WOA	waiting on allowable
WOB	waiting on battery
WOC	waiting on cement
WOCR	waiting on completion rig
WOCT	waiting on cable tools or completion tools
WODP	waiting on drillpipe
WOE	successful wildcat outpost
WOG	waiting on geologist
WOG	water oil or gas
Wolfc	Wolfcamp
WOO	waiting on orders
Wood	Woodside
Woodf	Woodford
WOP	waiting on permit
WOP	waiting on pipe
WOP	waiting on plastic
WOP	waiting on pump
WOPE	waiting on production equipment
WOPL	waiting on pipeline
WOPT	waiting on potential test
WOPU	waiting on pumping unit
WOR	waiting on rig or rotary
WOR	water-oil ratio
WORT	waiting on rotary tools
WOS	washover string
WOSP	waiting on state potential
WOST	waiting on standard tools
WOT	waiting on test or tools
WOT&C	waiting on tank and connection
WOW	waiting on weather
WP	new pool wildcat, dry
WP	wash pipe

WP	well pad
WP	working pressure
WPD	new pool wildcat, discovery
WPM	well pad manifolding
wpr	wrapper
WPT	Windfall Profit Tax
WR	White River
Wref	Wreford
WRG	wiring
WRTB	wash and ream to bottom
WS	shallower pool wildcat, dry
WS	water saturation
WS	whipstock
WS	worldscale
WSD	shallower pool wildcat, discovery
WSD	whipstock depth
wsh (g)	wash (ing)
WSIM	water separation index modified
WSO	water shutoff
WSONG	water shutoff no good
WSOOK	water shutoff OK
WST	waste
WSW	water source wells
WSW	water supply well
WT	wall thickness (pipe)
wt	weight
wt%	weight-percent
WTB	wash to bottom
wtg	waiting
WTH/PRF	weatherproof
wthr(d)	weather (ed)
wtr (y)	water, watery
wtr. cush	water cushion
WTR/PRF	waterproof

WTR/T	watertight
WTS	water to surface
WUT	water-up to
WW	wash water
WW	water well
Wx	Wilcox

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**X**

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X	salt
X-bdd(ing)	crossbedded, crossbedding
X-hvy	extra heavy
X-line	extreme line
X-over	crossover
X-R	X-ray
X-REF	cross reference
X-SECT	cross section
x-stg	extra strong
x/n	crystalline
XFMR	transformer
XHGR	extra-heavy grade pipe
Xing	crossing
Xlam	cross-laminated
Xln	crystalline
XMTR	transmitter
XO	crossover
XO-sub	crossover sub
xtal	crystal
Xtree	Christmas tree
XW	salt water
XX-Hvy	double extra heavy
XX-STR	double extra strong

**Y**

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y	Yates
yd	yard (s)
yel	yellow
YIL	yellow indicating lamp
YMD	your message of date
YMY	your message yesterday
Yoak	Yoakum
YP	yield point
yr	year
Yz	Yazoo

**Z**

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zen	zenith
Zil	Zilpha
ZN	zinc
Zn	zone

## Miscellaneous

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1012	trillion
12 GA W.W.S.	12 gauge wire-wrapped screen (in a liner)
3 PH	three phase
3P ST SW	triple pole single throw switch
3P SW	triple pole switch
4P ST SW	four pole single throw switch
4P SW	four pole switch
8rd	eight round pipe
/ft	per foot
/L	line, as in E/L (eastline)
%	percent
°API	degrees, API
°C	degrees Centigrade, degrees Celcius
°F	degrees Fahrenheit
µg	microgram (s)

**A**

abandoned	abd
abandon-salvage deferred	ASD
abandoned gas well	abd-gw
abandoned location	abd loc
abandoned oil & gas well	abd-ogw
abandoned oil well	abd-ow
about	abt
above	abv
abrasive jet	abrsi jet
absolute	abs
absolute bottom-hole location	ABHL
absolute open flow potential (gas well)	AOF
absorber	asbr
absorption	absm
abstract	abst
abstract (i.e., A-10)	A
abundant	abun
accelerometers	ACCEL
access	ACC
accessory, accessories	ACCESS
account(ing)	acct
accounts receivable	A/R
accumulative, accumulator	accum
acid	ac
acid frac	AF
acid fracture treatment	acfr
acid residue	AR
acid-soluble oil	ASO
acid treat (ment)	AT
acid water	AW
acid-cut mud	ACM



acid-cut water	ACW
acidity or alkalinity	pH
acidize (ed) (ing)	acd
acidized with	A/
acoustic caliper	CMA
acoustic cement	A-Cem
acre feet	ac-ft
acre(s), acreage	ac
acreage	ac, acrg
acre-feet	ac-ft
acrylonitrile butadiene styrene rubber	ABS
actual	ACT
actual drilling	AD
actual drilling cost	ADC
actual drilling time	ADT
actual jetting time	AJT
actuated, actuator	ACT
adapter	adpt
addition or modification requ	AMR
additional	addl
additive	add
adhesive	ADH
adjustable	adj
adjustable spring wedge	ASW
adjustments and allowances	A&A
administration, administrative	adm
adomite	ADOM
adsorption	adspn
advanced	advan
aeration, aerator	AER
affidavit	afft
affirmed	affd
after acidizing, as above	AA
after condenser	AF/COND

after cooler	AF/CLR
after federal income tax	AFIT
after fracture	AF
after receipt of order (purchasing term)	ARO
after shot	AS
after the tanks	ATT
after top center	ATC
after treatment	AT
agglomerate	agim
aggregate	AGGR
agitator	AG
air conditioning	A/C
air conditioning	AIR COND
air cooled	A/CLD
air cooler	A/CLR
air quality control region	AQCR
air quality maintenance area	AQMA
alarm	alm
Alaskan North Slope	ANS
Albany	Alb
alcoholic	alc
algae	alg
alignment (ing)	ALIGN
alkaline, alkalinity	alk
alkalinity or acidity	pH
alkylate, alkylation	alkyl
all thread	AT
allocation	ALOC
allowable not yet available	ANYA
allowable, allowance	ALLOW
alloy	ALY
along	alg
alternate	alt
alternating current	AC



altitude	ALT
aluminum	AL
aluminum conductor steel reinforced	ACSR
ambient	amb
American Chemical Society	ACS
American melting point	AMP
American Petroleum Institute	API
American Public Health Association	APHA
American Society for Testing & Materials	ASTM
American Standards Association	ASA
American Steel & Wire gauge	AS&W ga
American Water Works Association	AWWA
American Wire Gauge	AWG
ammeter	AMM
ammonia	NH <sub>3</sub>
ammonia chloride	NH <sub>4</sub> Cl
amorphous	amor
amortization	amort
amount	amt
amount not reported	ANR
ampere	amp
ampere hour	amp hr
amphipore	amph
Amphistegina	amph
analysis, analytical	anal
Anchor (age)	ANC
and husband	et con.
and husband	et vir.
and others	et al.
and the following	et seq.
and wife	et ux.
angle, angular	ang
angstrom unit	Å
Angulogerina	Angul

anhydrite stringer	AS
anhydrite, anhydritic	anhy
anhydrous	anhyd
annubar	ANUB
annular velocity	AV
annulus	ann
annunciator	ANUC
apartment	apt
apparatus	APPAR
apparent (ly)	apr
appears, appearance	app
appliance	appl
application	applic
applied	appl
approved	appd
approved total depth	ATD
approximate (ly)	approx
aqueous	aq
aragonite	arag
Arapahoe	Ara
Arbuckle	Arb
Archeozoic	Archeo
architectural	arch
area of mutual interest	AMI
arenaceous	aren
argillaceous	arg
argillite	arg
Arkadelphia	Arka
arkose(ic)	ark
armature	arm
aromatics	arom
around	arnd
arrange (ed) (ing) (ment)	ARR
articles published in outside journals/books	OP



artificial lift	AL
as soon as possible	ASAP
asbestos	asb
ashern	Ash
asphalt. asphaltic	asph
asphaltic stain	astn
assembly	assy
assigned	assgd
assignment	asgmt
assistant	asst
associate (d) (s)	assoc
association	assn
Association of American Railroads	AAR
Association of Desk & Derrick Clubs	ADDC
Association of Official Agricultural Chemistry	AOAC
at rate of	ARO
Atlas Bradford modified	ABM
atmosphere, atmospheric	atm
Atoka	At
atomic	at
atomic weight	at wt
attach (ed) (ing) (ment)	ATT
attempt(ed)	att
attorney	atty
Audit Bureau of Circulation	ABC
auditorium	aud
Austin	Aus
Austin chalk	AC
Authorization for Commitment	AFC
Authorization for Expenditure	AFE
Authorization to Proceed	ATP
authorized	auth
authorized depth	AD
Authorized for Construction	AFC

automatic	auto
automatic custody transfer	ACT
automatic data processing	ADP
automatic transmission fluid	ATF
automatic volume control	AVC
automotive	auto
automotive gasoline	autogas
Aux Vases sand	AV
auxiliary	aux
auxiliary flow diagram	AFD
available	avail
average	avg
average flowing pressure	AFP
average freight rate assessment	AFRA
average injection rate	AIR
average penetration rate	APR
average treating pressure	ATP
average tubing pressure	ATP
aviation	av
aviation gasoline	avgas
awaiting	awtg
award	AWD
azeotropic	aztrop
azimuth	az

**B**

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back flush	BKFLSH
back pressure	BP
back-pressure valve	BPV
back scuttled	B/S
back to back	B/B
backed out (off)	BO
backwash	BKWSH

baffle	BFL
bailed	bld
bailed dry	B/dry
bailer	blr
bailer feed water	BFW
bailing	blg
balance	BAL
ball joint	B/JT
ball sealers	BS
ball valve	B/Vlv
Balltown sand	Ball
band (ed)	bnd
barge deck to mean low water	BD-MLW
barite (ic)	bar
Barker Creek	Bark Crk
Barlow Lime	Bar
barometer, barometric	bar
barrel	bbf
barrel water load	BWL
barrels acid	BA
barrels acid residue	BAR
barrels acid water	BAW
barrels acid water per day	BAWPD
barrels acid water per hour	BAWPH
barrels acid water under load	BAWUL
barrels condensate	BC
barrels condensate per day	BCPD
barrels condensate per hour	BCPH
barrels condensate per million	BCPMM
barrels diesel oil	BDO
barrels distillate	BD
barrels distillate per day	BDPD
barrels distillate per hour	BDPH
barrels fluid	BF

barrels fluid per day	BFPD
barrels fluid per hour	BFPH
barrels formation water	BFW
barrels frac oil	BFO
barrels fresh water	BFW
barrels liquid per day	BLPD
barrels load	BL
barrels load & acid water	BL&AW
barrels load condensate	BLC
barrels load condensate per day	BLCPD
barrels load condensate per hour	BLCPH
barrels load oil	BLO
barrels load oil per day	BLOPD
barrels load oil per hour	BLOPH
barrels load oil recovered	BLOR
barrels load oil to be recovered	BLOTBR
barrels load oil yet to recover	BLOYTR
barrels load water	BLW
barrels load water per day	BLWPD
barrels load water per hour	BLWPH
barrels load water to recover	BLWTR
barrels mud	BM
barrels new oil	BNO
barrels new water	BNW
barrels oil	BO
barrels oil per calendar day	BOPCD
barrels oil per day	BOPD
barrels oil per hour	BOPH
barrels oil per producing day	BOPPD
barrels per barrel	B/B
barrels per day	BPD
barrels per hour	B/hr
barrels per minute	B/M
barrels per stream day	BPSD



barrels per stream (refinery)	B/SD
barrels per well per day	BPWPD
barrels pipeline oil	BPLO
barrels pipeline oil per day	BPLOPD
barrels salt water	BSW
barrels salt water per day	BSWPD
barrels salt water per hour	BSWPH
barrels of water	BW
barrels water over load	BWOL
barrels water per day	BWPD
barrels water per hour	BWPH
Bartlesville	Bart
basal	bsl
Basal Oil Creek Sand	BOCS
base	B/
Base Blane	B. Bl
base of the salt	B slt
base Pennsylvania	BP
base plate	BSPL
base salt	B/S
basement	bsmt
basement (granite)	base
basic sediment	BS
basic sediment and water	BS&W
basket	bskt
Bateman	Bate
battery	btry
Baumé	Be
beaded and center beaded	B&CB
Bear River	Bear Riv
bearing	brg
Bearpaw	BP
Beckwith	Beck
becoming	bec

bedding	BDNG
before acid treatment	BAT
before federal income tax	BFIT
before top dead center	BTDC
Beldon	Bel
belemnites	Belm
bell and bell	B&B
bell and flange	B&F
bell and spigot	B&S
Belle City	Bel C
Belle Fourche	Bel F
benchmark	BM
bending schedule	B/S
Benoist (Bethel) sand	Ben, BT
bent & bowed pipe	B&B
Benton	Ben
bentonite	Bent
benzene	bnz
benzene toluenexylene (unit)	BTX
Berea	Be
between	btw
bevel (ed)	bev
bevel both ends	BBE
bevel large end	BLE
bevel one end	BOE
bevel small end	BSE
beveled for welding	BV/WLD
beveled end	B.E.
bid summary	BID SUM
Big Horn	B. Hn.
Big Injun	B. Inj.
Big Lime	B. Ls
Bigenerina	Big.
Bigenerina floridana	Big. f.



Bigenerina humblei	Big. h.
Bigenerina nodosaria	Big. nod.
bill of lading	B/L
bill of material	B/M
bill of sale	B/S
billion	B
billion cubic feet	BCF, Bcf
billion cubic feet per day	BCFD, Bcfd
billion standard cubic feet	Bscf
billion standard cubic feet per day	Bscf/D, Bscfd
binary	BIN
biochemical oxygen demand	BOD
biotite	bio
Birmingham (or Stubbs) iron wire gauge	BW ga
Birmingham wire gauge	Bwg
bitumen	bit
bituminous	bit
black	blk
Black Leaf	Blk Lf
Black Lime	Blk Li
Black Magic (mud)	BM
black malleable iron	BMI
Black River	B. Riv
black sulfur water	BSUW
blank liner	blk lnr
blast cabinet	Bl/Cb
blast joint	BL/JT
bleeding	bld
bleeding gas	bld gas
bleeding oil	bldo
blend (ed) (er) (ing)	BLND
blew out	BO
blind flange	BLD FLG, BF
Blinebry	Blin

block	blk
block valve	BV
blocked off	BO
blossom	Blos
blow	blo
blowdown	bd
blow-down test	BDT
blower	BLWR
blowout equipment	BOE
blowout preventer	BOP
blowout preventer equipment	BOPE
blue	bl
board	bd
board foot (feet)	bd ft
Bodcaw	Bod
body wall loss	BWL
boiled water	BW
boiler	BLR
boiler feed water	BFW
boiling point	BP
Bois d'Arc	Bd'A
Bolivarensis	Bol.
Bolivina a.	Bol. a.
Bolivina floridana	Bol. flor.
Bolivina perca	Bol. p.
Bone Spring	BS
Bonneterre	Bonne
booster	BSTR
borehole compensated sonic	BHCS
bottom (basic) sediment & water	BS&W
bottom (ed)	btm (d)
bottom choke	btm chk
bottom hole	BH
bottom-hole assembly	BHA

bottom-hole choke	BHC
bottom-hole flowing pressure	BHFP
bottom-hole location	BHL
bottom-hole money	BHM
bottom-hole orientation	BHO
bottom-hole pressure	BHP
bottom of given formation (i.e., B/Frio)	B/
bottom sediment	BS
bottom settlings	BS
bottom-hole pressure bomb	BHPB
bottom-hole pressure closet	
( <i>see also</i> SIBHP and BHSIP)	BHPC
bottom-hole pressure flowing	BHPF
bottom-hole pressure survey	BHPS
bottom-hole shutin pressure	BHSIP
bottom-hole temperature	BHT
boulders	bldrs
boundary	bndry
box (es)	bx
box end	be
brace (ing) (ed)	BRC
brachiopod	brach
brackets(s)	brkt(s)
brackish (water)	brksh
Bradenhead Flange	BHF
brake horsepower	bhp
brake horsepower-hour	bhp-hr
brake mean effective pressure	BMEP
brake specific fuel consumption	BSFC
brakes	BRKS
break (broke)	brk
breakdown	BD
breakdown acid	BDA
breakdown pressure	BDP

breaker	BRKR
breccia	brec
bridge plug	BP
bridged back	BB
bridger	Brid
Brinell hardness number	BHN
British Standards Institution	BSI
British thermal unit	BTU
brittle	brtl, brit
broke (break) down formation	BDF
broken	brkn
broken sand	brkn sd
bromide	brom
brown	bn
brown	brn or br
Brown & Sharpe (gauge)	B&S ga
brown lime	Brn Li
brown oil stain	BOS
brown shale	brn sh
brownish	brnsh
bryozoa	bry
Buckner	Buck
buck-off	b/off
buck-on	b/on
buckrange	Buckr
budgeted depth	BD
buff	bf
building	bldg
building derrick	bldg drk
building rig	BR
building roads	bldg rds
Buliminella textularia	Bul. text.
bulk plant	BP
bulk vessel	B/VESS



bull plug	BP
bullets	blts
Bullwaggon	Bull W
bumper	bmpr
bundle	BDL
Burgess	Burg
burner	bunr
bushel	bu
bushing	BSHG
butane and propane mix	BP mix
butane-butene fraction	BB fraction
butt weld	BW, BTWLD
butterfly valve	BRFL/V, BTFL/V
buttress thread	butt
buttress thread coupling	BTC
buzzer	BUZ
bypass	BYP
bypass cooler	BP/CLR

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## C

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cabinet	CAB
cable (ing)	CBL
cable tool measurement	CTM
cable tools	CT
Caddell	Cadd
cadmium plate	CD PL
cake	ck
calcareous, calcerenite	calc
calceneous	cale
calcite, calcitic	cal
calcium	calc
calcium-base grease	calc gr
calcium chloride	CaCl <sub>2</sub>

calcium oxide	CaO
calculate (ed), calculation	Calc
calculated absolute open flow	CAOPF
calculated open flow (potential)	COF
calendar day	CD
calibrate (tion)	CALIBR
caliche	cal
California Coordinate System	CCS
caliper log	CAL
caliper survey	cal
caulking	CLKG
calorie	cal
Calvin	Calv
Cambrian	Camb
Camp Colorado	Cp Colo
Cane River	Cane Riv
canvas-lined metal petal basket	CLMP
canyon	cany, cyn
capacity, capacitor	cap
Captain	Cap
carbon copy	CC
carbon dioxide	CO <sub>2</sub>
carbon disulfide	CS <sub>2</sub>
carbon monoxide	CO
carbon oxygen	CO
carbon residue (Conradson)	CR Con
carbon steel	CS
carbontetrachloride	carb test
carbonaceous	carb
carburetor air temperature	CAT
care of	c/o
Carlile	Car
carload	CL
Carmel	Carm



Carrizo	Cz
carton	ctn
cased hole	C/H
cased reservoir analysis	CRA
casing	csg
casing cemented (depth)	CC
casing choke	Cck
casing collar locator	CCL
casing collar perforating record	CCPR
casing flange	CF
casing point	csg pt, CP
casing pressure	csg press, CP
casing pressure, shut in	CPSI
casing pressure, closed	CPC
casing pressure, flowing	CPF
casing seat	CS
casing set at	CSA
casinghead flange	CHF
casinghead gas	CHG
casinghead pressure	CHP
Casper	Casp
cast carbon steel	CCS
cast iron	CI
cast steel	CS
cast-iron bridge plug	CIBP
cat-cracked light gas oil	CCLGO
Cat Creek	Cat Crk
Catahoula	Cat
catalog	CAT
catalyst, catalytic	CAT
catalytic cracker	Cat ckr
catalytic cracking unit	CCU
cathode ray tube	CRT
cathodic	cath

Cattleman	Ctlmn
caustic	caus
caving (s)	cvg(s)
cavity	cav
Cedar Mountain	Cdr Mtn
cellar	cell
cellar & pits	C&P
cellular	cell
Celsius	C
cement (ed)	cem
cement (ed) (ing)	cmt (d) (g)
cement dump bailer	CDB
cement evaluation	CET
cement friction reducer	CFR
cement friction retarder	CFR
cement in place	CIP
cement to surface	CTS
cemented through perforations	cp's
Cenozoic	Ceno
center (d)	cntr
center (land description)	C
center line	C/L
center of casinghead flange	CCHF
center of gravity	CG
center of tubing flange	CTH
center section line	CSL
center to center	C to C
center to end	C to E
center to face	C to F
centigrade	C
centigram	cg
centiliter	cl
centimeter	cm
centimeter-gram-second-system	cgs



centimeters per second	cm/sec
centipose (s)	cp
centistokes	cs
central compressor plant	CCP
central delivery point	CDP
central processing facility	CPF
centralizers	cent
centrifugal	centr
centrifuge	cntf
cephalopod	ceph
Ceratobulimina eximia	Cert. ex.
certified	CERT
certified drawing outline	CDO
certified public accountant	CPA
cetane number	CN
chain operated	CH OP
chairman	chrm
chalcedony	chal
chalk	chk
chalky	chky
chamber	CHMBR
chamfer	CHAM
change (ed) (ing)	chng
changed (ing) bits	CB
changed drillpipe	chngd DP
channel	CHNL
Chappel	Chapp
characteristics	CHAR
charge (ed) (ing)	chrg (d) (ing)
Charles	Char
chart	cht
Chattanooga shale	Chatt
check	ck
check valve	CHKV

checked	chkd
checkerboard	Chkbd
checkered plate	CHKD PL
chemical oxygen demand	COD
chemical products	chem. prod
chemical, chemist, chemistry	chem.
chemically pure	cp
chemically retarded acid	CRA
Cherokee	Cher
chert	cht
cherty	chty
Chester	Ches
chicksan	cksn
Chimney Hill	Chim H
Chimney Rock	Chim R
Chinle	Chin
chitin (ous)	chit
chloride (s)	chl
chlorinator	CHLR
chlorine	Cl <sub>2</sub>
chlorine long	chl log
chloritic	chl
choke	ch
choke	chk
Chouteau lime	Chou
Christmas Tree	Xtree
Christellaria	Cris
chromatograph	chromat
chrome molybdenum	cr moly
chromium	chrome
Chugwater	Chug
Cibicides	Cib.
Cibicides hazzardi	Cib. h.
Cimarron	Cima



circle	cir
circuit	cir
circular	cir
circular mills	cir mills
circulate & condition	C&C
circulate and reciprocate	C&R
circulate bottoms up	CBU, ccBU
circulate (ing) (tion)	circ
circulated and conditioned mud	C&CM
circulated and conditioned hole	C&CH
circulated out	CO
circumference	CRCMF
Cisco	Cis
Clagget	Clag
Claiborne	Claib
clarifier	CLFR
Clarksville	Clarks
class	CL
classification	CLASS
clastic	clas
Clavalinoides	Clav
clay filled	CF
Claystone	clyst
Clayton	Clay
Claytonville	Clay
clean out	CO
clean out & shoot	CO&S
clean up	CU
clean (ed) (ing)	cln (d) (g)
cleaned out to total depth	COTD
cleaning out, cleaned out	CO
cleaning to pits	CTP
clear, clearance	clr
Clearfork	Clfk

clearing	clrg
Cleveland	Cleve
Cleveland open cup	COC
Cliff House	Cliff H
clockwise	cw
closed	clsd
closed cup	CC
closed hole	CH
closed hydrocarbon drain	CHD
closed-in pressure	CIP
Cloverly	Clov
Coal Bed Methane	CBM
coarse crystalline	crs-xln
coarse grained	C-gr
coarse (ly)	crs, c
coat and wrap (pipe)	C&W
coated	ctd
Cockfield	Cf
Coconino	Coco
Codell	Cod
Cody (Wyoming)	Cdy
coefficient	coef
coiled tubing unit	CTU
coke oven gas	COG
cold drawn	CD
cold finished	CF
cold rolled	CR
cold-rolled steel	CRS
cold water equivalent	CWE
cold working pressure	CWP
Coleman Junction	Cole Jct
collar	COL
collect (ed) (ing) (ion)	coll
collector	CLTR



Color American Standard Test Method	Col ASTM
colored	COL
column	COL
Comanche	Com
Comanche Peak	Com Pk
comanchean	Cmchn
Comatula	Com
combined, combination	comb
combustion	COMB
coming out of hole	COOH
commenced	comm
comment	COMT
commercial	coml
commission	comm
commission agent	C/A
commissioner	commr
common	com
Common Business-Oriented Language	COBOL
common data base	CDB
common data base task force	CDBTF
communication	comm
community	comm
commutator	COMUT
compact	cmpt
companion flange bolt and gasket	CFB&G
companion flange one end	CFOE
companion flanges bolted on	CFBO
company	Co
company operated	Co. Op.
company-operated service stations	Co. Op. S.S.
comparator	CMPARTR
compartment	compt
compensated neutron log	CNL
complete (ed) (tion)	comp

completed natural	comp nat
completed on pump	C.O.P.
complete with	C/W
components	COMPT
components	compnts
compound	CMPD
compression and absorption plant	C&A
compression-ignition engine	CI engine
compression ratio	CR
compressor	compr
compressor station	compr st
computer	COMPTR
computer control system	CCS
concentrate	conc
concentric	cncn
concentric	conc
conchoidal	conch
conclusion	concl
concrete	conc
condensate	cond
condensate-cut mud	CCM
condenser	cdsr
condition (ed) (ing)	cond
conductivity	condt
conductor (pipe)	condr
conduit	CND
confidential	conf
confirm (ed) (ing)	conf
confirming telephone order (purchasing term)	CTO
confirming telephone order (purchasing term)	CPO
conflict	confl
conglomerate, conglomeritic	cglt
conglomerate (itic)	cong
connection	conn



conodonts	cono
Conradson carbon residue	CCR
conserve, conservation	consv
consolidated	con
consolidated	consol
constant	const
construction	const
consumer tank car	CTC
consumer tank wagon	CTW
contact caliper	C-Cal
container	cntr
containment	CNTN
contaminated, contamination	contam
continue (ed)	cont (d)
continuous blowdown	CB
continuous directional service	CDS
continuous flowmeter	CFM
continuous weld	CW
contour interval (map)	CI
contract depth	CD
contractor	contr
contractor (i.e., C/John Doe)	C/
contractor furnished equipment	CFE
contractor responsibility	contr resp
contribution	contrib
control (s)	cntl
control building	CN/BD
control valve	CV
controller	cntr
convector, convection	CONVT
converse	conv
convert (er) (ed)	CVTR
conveyor	cnvr
cooler	CLR

cooling water	CW
cooling water return	CWR
cooling water supplying	CWS
cooling tower	CT
cooling tower	CLG/TWR
cooperative	co-op
coordinate	coord
Coordinating Research Council Inc.	CRC
Cooper River Meridian (Alaska)	CPR
coquina	coq
core barrel	CB
core hole	C
core (ed) (ing)	cr (d) (g)
cored	crd
coring	cg
corner	cor
corner	CNR
corporation	Corp
correct (ed) (ion)	corr
corrected gravity	CG
corrected total depth	CTD
correlation	correl
correspondence	corres
corrosion	corr
corrosion allowance	CA
corrugated	corr
cost and freight	C&F
cost insurance and freight	C.I.F.
cost per gallon	CPG
Cottage Grove	Cott G
Cotton Valley	CV
Council Grove	Counc G
counter electromotive force	CEMF
counter weight	CNT WT



counterbalance (pumping equip.)	CB
counterclockwise	ccw
county	Cnty
county school lands	CSL
coupling	cplg
cover	CVR
Cow Run	CR
cracker	Crkr
cracking	crkg
cradle (s)	CRDL
crane	CRN
crawl beam	C/BM
creek	crk
crenulated	cren
Cretaceous	Cret
crinkled	crnk
crinoid (al)	Crin
Cristellaria	Cris
critical	crit
critical compression pressure	CCP
critical compression ratio	CCR
Cromwell	Crom
cross	CRS
crossbedded	crbd
crossover	CX
crown block	crn blk
crude oil	CO
crude oil purchasing	COP
cryptocrystalline	crypto-xln
crystalline	cryst
cubic	cu
cubic centimeter	cu cm
cubic centimeter	cc
cubic feet gas	cfg

cubic feet gas per day	cfgd
cubic feet gas per hour	cfgh
cubic feet per barrel	cu ft/bbl
cubic feet per day	cf d
cubic feet per minute	cu ft/min, CFM
cubic feet per pound	CFP
cubic feet per second	cu ft/sec, CFS
cubic foot	cf
cubic inch	cu in.
cubic meter	cu m
cubic meters per day	m <sup>3</sup> /d
cubic yard	cu yd
cubical	CUB
culvert	culv
cumulative	cum
Curtis	Cur
curve	CRV
cushion	cush
customer	CUST
cut across grain	CAG
cut bank	Cut B
cut drilling line	CDL
cutback	cutbk
Cutler	Cutl
cutting oil	Cut Oil
cutting oil soluble	Cut Oil Sol
cutting oil active-sulfurized-dark	Cut Oil Act Sul-dk
cutting oil active-sulfurized-transparent	Cut Oil Act Sul-transpt
cutting oil straight mineral	Cut Oil St Mrl
cuttings	ctg(s)
cyclamina	Cyc
Cyclamina cancellata	Cycl canc.
cycles per minute	cpm
cycles per second	cps

cyclone	CYC
cyclone	cycl
cylinder	cyl
Cypress Sand	Cy Sd
cypridopsis	cyp.

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**D**

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daily allowable	DA
daily average injection barrels	DAIB
Dakota	Dak
damper	dmprr
Dantzler	Dan
dark	dk
dark brown oil	DBO
dark brown oil stains	DBOS
Darwin	Dar
data processing	DP
data sheet	D/S
date actually started drilling	spud date
date of first production	DFP
datum	dat, DM
datum faulted out	DFO
davit	DVT
day	D
day to day	D/D
days since spudded	DSS
dead	dd
dead oil show	DOS
deadweight tester	DWT
deadweight tons	DWT
Deadwood	Deadw
deaerator	deaer
dealer	dlr

dealer tank wagon	DTW
deasphalting	deasph
debutanizer	debutzr
Deca	D
Decatherm	DTH
decibel	db
decigram	dg
deciliter	dl
decimal	dec
decimeter	dm
decline	decl
decrease (ed) (ing)	decr
Deemed Heating Value	DHV
deep pool test	DPT
deepen	dpr
deepening	dpg
deethanizer	deethzr
deflection	defl
Degonia	Deg
degree day	DD
degree (s)	deg
degrees API	oAPI
degrees Centigrade	oC
degrees Fahrenheit	oF
deisobutanizer	deisobut
Del Rio	Del R
Delaware	Dela
Delaware River Area Petroleum Refineries	DRAPR
delayed coker	DC
delivery (ed) (ability)	delv
delivery point	delv pt
demand meter	DM
demolition	dml
demurrage	demur

dendrite (ic)	dend
dense	ds, dns
density log	D/L, DENL
department	dept
Department of Energy	DOE
depletion	depl
depreciation	deprec
depropanizer	deprop
depth	dpt
depth bracket allowable	DBA
depth recorder	dpt rec
derrick	drk
derrick floor	DF
derrick floor elevation	DFE
Des Moines	Des M
deslater	desalt
description	desc
Desert Creek	Des Crk
design	dsgn
Desk and Derrick	D&D
desorbent	desorb
destination	dstn
desulfurizer	desulf
desuperheater	DSUPHTR
detail (s)	det
detector	det, DCTR
detergent	deterg
detrital	detr, dtr
develop	DVL
develop (ed) (ment)	devel
development	D
development gas well	DG
development oil	DO
development oil well	DO

development redrill (sidetrack)	DR
development well, carbon dioxide	DC
development well, helium	DH
development well, sulfur	DSU
development well workover	DX
deviate, deviation	dev
deviation degrees	DD
Devonian	Dev
dew point	DP
dewatering	DWTR
dewaxing	dewax
Dexter	Dext
diagonal	diag
diagram	diag
diameter	dia
diamond bit	DB
diamond core	DC
diamond core bit	DCB
diaphragm	diaph
dichloride	dichlor
dichloro diphenyltrichloroethane	DDT
diesel (oil)	dsl
diesel fuel	DF
diesel hydrogen desulfurization	DHDS
diesel index	D.I.
Diesel No. 2	D-2
diesel oil well	DOC
diethanolamine	DEA
diethanolamine unit	DEA unit
diethylene	diethyl
different (ial) (ence)	diff
differential pressure	D/P
differential valve (cementing)	DV
digging cellar	DC



digging cellar and slush pits	DCLSP
digging slush pits	DSP
digital	DGTL
diglycolamine	DGA
diluted	dilut
dimension	dim
dimethyl sulfide	DMS
diminish (ing)	dim
Dinwoody	Din
dipmeter	DM
direct (tion) (tor)	dir
direct current	DC
directional drilling	dir drlg
directional survey	dir sur, DS
dirty water disposal	DWD
discharge	disch
Discorbis	Disc.
Discorbis gravelli	Disc. grav.
Discorbis normada	Disc. norm.
Discorbis yeguaensis	Disc. y.
discount	disc
discover (ed) (ing) (ion)	disc
discovery allowable requested	DAR
dismantle	disman
dismantle (ing)	dsmt (g)
displaced, displacement	displ
disseminated	dism
distance	dist
distillate	dstl
distillate-cut mud	DCM
distillate, distillation	dist
distribute (ed) (ing) (ion)	distr
distributed control system	DCS
district	dist

ditto	do
division	div
division office	D/O
division order	D.O.
dock operating building	DOBLDG
Dockum	Doc
doctor-treatment	doc-tr
document	doc
documentation	DOCREQ
dogleg severity	DLS
doing business as	d/b/a
dolomite (ic)	dolo
dolstone	dolst
domestic	dom
domestic airline	dom AL
domestic water	DOM WTR
Dornick Hills	Dorn H
Dothan	Doth
double	DBL
double end	DE
double extra heavy	XX-Hvy
double extra strong	XX-STR
double hub	DH
double pipe	DP
double pole double base (switch)	DPDB
double pole double throw switch	DPDT SW
double pole single base (switch)	DPSB
double pole single throw switch	DPST SW
double pole switch	DP SW
double random lengths	DRL
Douglas	Doug
down	dn
downthrown	DT
dozen	doz



draft gauge	DG
drain	dr
drainage	drng
drawing	DWG
drawworks	dwks
dressed dimension four side	d-d-4-s
dressed dimension one side and one edge	d-d-1-s-1-e
dressed four sides	d-4-s
dressed one side	d-1-s
dressed two sides	d-2-s
Dresser Atlas	DA
drier, drying	dry
drift angle	DA
drill	drl
drill (ed) (ing) out	DO
drill (ed) (ing) plug	D/P
drill and complete	D&C
drill collar	DC
drill floor	DF
drillpipe	DP
drillpipe measurement	DPM
drillpipe unloaded	DPU
drillsite	DS
drillsite facility	DSF
drillstem	DS
drillstem test	DST
drilled	drlđ
drilled-out cement	DOC
drilled-out depth	DOD
drilled-out plug	DOP
driller	drlr
driller's top	D/T
driller's total depth	DTD
drilling	drlg

drilling and well completion	DWC
drilling break	DB
drilling deeper	DD
drilling line	DL
drilling mud	DM
drilling suspended indefinitely	DSI
drilling tender	D/T
drilling time	DT
drilling with air	DWA
drilling with gas	DWG
drilling with mud	DWM
drilling with oil	DWO
drilling with salt water	DWSW
drillstem test with straddle packers	DST (Strd)
drive (ing) (er)	DRV (R), dr
dropped	dropd
drum	dr, DRM
druse	dr
drusy	drsy
dry and abandoned	D&A
Dry Creek	Dr Crk
dry desiccant dehydrator	DDD
dry film thickness	DFT
dry gas	DG
dry-hole contribution	DHC
dry hole cost	DHC
dry hole drilled deeper	DHDD
dry-hole money	DHM
dry hole reentered	DHR
dual	D
dual (double) wall packer	DWP
dual injection focus log	DIFL
dual lower tubing	DLC
dual lower tubing	DLT



dual upper casing	DUC
dual upper tubing	DUT
dually completed	DC
Duck Creek	Dk Crk
dumped	DMPD
Dun & Bradstreet	D&B
Duperow	Dup
duplex	dx
duplicate	dup
duration	DUR
Dutcher	Dutch
dyna-drilling	DD
dynamic	dyn

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**E**

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each	ea
Eagle	Egl
Eagle Ford	EF
Eagle Mills	EM
Earlsboro	Earls
early well tie-ins	EWT
east	E
east boundary line	E/BL
East Cimarron Meridian (Oklahoma)	ECM
east half	E/2
east line	E/L
east of Rockies	EOR
east of west line	E of W/L
east offset	E/O
east quarter	E/4
easterly	E'y
Eau Claire	Eau Clr

eccentric	ECC
echinoid	ech
economics, economy, economizer	econ
Ector (County, TX)	Ect
education (tor)	Educ (r)
Edwards	Edw
Edwards lime	Ed lm
effective	eff
effective depth	E.D.
effective horsepower	EHP
efficiency	eff
effluent	effl
eight round pipe	8rd
ejector	ejtr
Elbert	Elb
elbow	ell (s) ELB
electric accounting machines	EAM
electronic log tops	EL/T
electric resistance weld	ERW
electric weld	EW
electric (al)	elec
electromagnetic	EMN, Elec/MAG
electromagnetic induction	EMNI
electromotive force	EMF
electron-volts	ev
electronic data processing	EDP
element, elementary	elem
elevation (height)	EL
elevation ground	el gr
elevation, elevator	elev
Elgin	Elg
eliminate (tor) (ed)	ELIM
Ellenburger	Ellen
Ellis-Madison contact	EMS

Elmont	Elm
Embar	Emb
emergency	emer
emergency order	EO
emergency shutdown	ESD
employee	empl
empty container	MT
emulsion	emul
enamel	enml
enclosure	encl
end of file	EOF
end of line	EOL
end of month	EOM
end of quarter	EOQ
end of year	EOY
end point	EP
end to end	E/E
Endicott	End
endothya	endo
engine	eng
engineer (ing)	enr (g)
Englewood	Eglwd
enhanced oil recovery	EOR
enlarged	enl
Entrada	Ent
entrance	ENT
entry	ent
envelope	ENV
environment	ENVIR
environmental assessment	EA
environmental impact report	EIR
environmental impact statement	EIS
Eocene	Eoc
Eponides	Ep.

Eponides yeguaensis	Ep. y.
equal, equalizer	eq
equation (before a number)	Eq.
equilibrium flash vaporization	EFV
equipment	equip
equivalent	equiv
erection	erect
erection mark	ERC/MK
Ericson	Eric
estate	est
estimate (ed) (ing)	est
estimated time of arrival	ETA
estimated total depth	E.T.D
estimated ultimate recovery	EUR
estimated yearly consumption	EYC
ethane	eth
ethylene	ethylene
ethylene dichloride	EDC
euهدral	euهد
European melting point	EMP
Eutaw	EU
evaluate	eval
evaporation, evaporate	evap
even sorted	ev-sort
examination	EXAM
example	EX
excavation	exc
excellent	excl
except	ex
exchanger	exch
excitation	EXC
executive	EXEC
executor	Exr
executrix	Exrx



Exeter	Ex
exhaust	exh
exhibit	exh
existing	exist
expansion	exp
expansion joint	EXP JT
expected date of delivery	EDD
expendable plug	exp plg
expense	exp
expire (ed) (ing) (ation)	expir
exploratory	E
exploratory well	EW
exploratory, exploration	expl
explosion proof	EX-PRF
explosive	explos
extended, extension	ext (n)
extension manhole	Ext M/H
exterior	extr
external	ext
external upset end	EUE
extra heavy	X-hvy
extra heavy grade pipe	XHGR
extra strong	x-stg
extraction	extrac
extreme line (casing)	X-line
extreme pressure	EP

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## F

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fabricate (ed) (tion)	fab
face of stud	FOS
face to face	F to F
faced and drilled	F&D
facet (ed)	fac

facility (ies)	FACIL
facility capacity limits	FCL
failed	fld
failure	fail
faint	fnt
faint air blow	FAB
fair	fr
Fall River	Fall Riv
Farmington	Farm
farmout	FO
farmout option	F/O opt
fasten (ing) (er)	FSTN
fault	fkt
faulted out	FO
fauna	fau
favosites	fvst
federal	fed
Federal Employers Liability Act	FELA
Federation of Sewage and Industrial Wastes Association	FSIWA
feed	FD
feed effluent	FD EFF
feed rate	FR
feed water	FD/WTR
feeder	fdr
feedstock	FS
feet, foot	ft
feet per hour	ft/hr
feet per minute	fmp
feet per minute	ft/min
feet per second	fps
feet per second	ft/sec
feldspar (thic)	fld
female	FEM



female pipe thread	FPT
female to female angle	FFA
female to female globe (valve)	FFG
Ferguson	Ferg
ferric sulfate	$\text{Fe}_2(\text{SO}_4)_3$
ferruginous	ferr
Ferry Lake anhydrite	FLA
fertilizer	fert
fiberglass	fbrgs
fiberglass-reinforced plastic	FRP
fibrous	fib
field	fld
field authorized to commence operations	FACO
field fabricated	F/FAB
field fuel gas unit	FFGU
field pressure test flow diagram	FPTFD
field purchase order	FPO
field receiving report	FRR
field wildcat	FWC
figure	fig
fill up	FU
fillet weld	FW
filter	FLTR
filter cake	FC
filtrate	filt
final	fin
final (flowing) tubing pressure	FTP
final boiling point	FBP
final bottom-hole pressure, flowing	FBHPF
final bottom-hole pressure, shut-in	FBHPSI
Final Environmental Impact Statement	FEIS
final flowing pressure	FFP
final fluid level	FFL
final hydrostatic pressure	FHP

final open	FO
final pressure	FP
final report for rig	FRR
final report for well	FRW
final shutin pressure	FSIP
finding of no significant impact	FONSI
fine	fn
fine grained	f-gr
finely	fnly
finely crystalline	f/xin
finish	FNSH
finish (ed)	fin
finished drilling	fin drlg
finished in hole	FIH
fire water	F/WTR
fire-resistant oil	F-R oil
fireproof	fprf
Firm Transport	FT
fiscal year ending	FYE
fishing	fish, fsg
fishing for	FF
fissile	fisl
fittings	ftg
fixed	fxd
fixed carbon	FC
fixture	fix
flaky	flk
flammable	FLMB
flammable liquid building	FL/BD
flange (ed) (es)	flg (d) (s)
flanged and dished (heads)	F&D
flange and screwed	F/S
flanged and spigot	F&S
flanged gate valve	FGVV

flanged one end, welded one end	FOE-WOE
flash point, Cleveland Open Cup	Fl-COC
flashing	FL
flat face	FF
flathead	Flath
flattened	flat
flexible	flex
flexibox	FLXBX
Flippen	Flip
float	flt
float collar	FC
float shoe	FS
flotation	fltn
floating	fltg
floating production storage and offloading vessel	FPSO
floor	FL
floor drain	FD
Florence flint	Flor fl
flow	flo
flow (ed) (ing)	flw (d) (g)
flow control valve	FCV
flow diagram	F-DIA, F/DIA, FD
flow indicating controller	FIC
flow indicating ratio controller	FIRC
flow indicator	FI
flow line	FL
flowmeter	F-MET
flow rate	FR
flow recorder	FR
flow recorder control	FRC
flow sheet	F-SHT
flow station	FS
flow switch	F/SW
flowed (ing) at the rate of	FARO

flowed, flowing	Fl/, fl/
flowerpot	Flwrpt
flowing	flg
flowing bottom-hole pressure	FBHP
flowing by heads	FBH
flowing casing pressure	FCP
flowing on test	FOT
flowing pressure	Flwg Pr, FP
flowing surface pressure	FSP
flue	flu
fluid	flu
fluid catalytic cracking	FCC
fluid in hole	FIH
fluid level	FL
fluid to surface	FTS
fluorescence, fluorescent	fluor
flush	FL
flush joint	FJ
flushed	flshd
flushing oil	FLO
focused log	FOCL
foliated	fol
foot-candle	ft-c
foot-pound	ft-lb
foot-pound per hour	ft-lb/hr
foot-pound-second (system)	f-p-s
footing, footage	ftg
for example	e.g.
for your information	FYI
Foraker	Forak
foraminifera	foram
foreman	f' man
forge (ed) (ing)	FRG
forged steel	FST, FS

formation	fm
formation density	F-D
formation density correlated	FDC
formation density log	FDL
formation gas-oil ratio	F/GOR
formation interval tester	FIT
formation test	FT
formation water	Fm W
Fort Chadborne	Ft C
Fort Hayes	Ft H
Fort Riley	Ft R
Fort Union	Ft U
Fort Worth	Ft W
Fortura	Fort
forward	fwd
fossiliferous	foss
foundation	fdn
Fountain	Fount
four pole single throw switch	4P ST SW
four pole switch	4P SW
four-wheel drive	FWD
Fox Hills	Fox H
frac finder (log)	FF
fractional	fr
fractionation, fractionator, fractional	fract
fracture gradient	F.G.
fracture, fractured, fractures	frac (d) (s)
fragment	frag
frame, framing	FRM (G)
framework	frwk
franchise	fran
Franconia	Franc
Fredericksburg	Fred
Fredonia	Fred

free on board	FOB
free point back off	FPBO
free-point indicator	FPI
freezer	frzr
freezing point	FP
freight	frt
frequency	freq
frequency meter	FM
frequency modulation	FM
fresh	frs
fresh break	FB
fresh water	FW
fresh water	fwtr
friable	fri
friction reducing agent	FRA
froggy	Frgy
from	fr
from east line	FE/L, FEL, fr E/L
from north line	FN/L, FNL, fr N/L
from northeast line	FNEL
from northwest line	FNWL
from south and west lines	FS&WLs
from south line	FS/L, FSL, fr S/L
from southeast line	FSEL
from southwest line	FSWL
from west line	fr W/L, FWL, fr W/L
front	fr
front & side	F/S
frontier	Fron
frosted	fros, fr
frosted quartz grains	FQG
Fruitland	Fruit
fuel gas	FG
fuel oil	FO

fuel oil equivalent	F.O.E
fuel oil return	FOR
fuel oil supply	FOS
fuels & fabrication	F&F
fuels & lubricants	F&L
full freight allowed (purchasing term)	FFA
full hole	FH
full length drift	FLD
full of fluid	FF
full open head	FOH
full opening	FO
Fullerton	Full
functional check out	FCO
funnel viscosity	FV
furfural	furf
furnace fuel oil	FFO
furnace	furn
furnish (ed)	FURN
furniture and fixtures	furn & fix
Fuson	Fus
Fusselman	Fussel
Fusulimid	Fusul
future	fut

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**G**

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gauge (ed) (ing)	ga
Galena	glna
Gallatin	Gall
galled threads	gld thd
gallon (s)	gal
gallons acid	GA
gallons breakdown acid	GBDA

gallons condensate per day	GCPD
gallons condensate per hour	GCPH
gallons gelled water	GGW
gallons heavy oil	GHO
gallons mud acid	GMA
gallons of oil per day	GOPD
gallons of oil per hour	GOPH
gallons of solution	gal sol
gallons of water per hour	GWPH
gallons oil	GO
gallons per day	GPD
gallons per hour	GPH
gas-liquid ratio	GLR
gas odor	GO
gas odor distillate taste	GODT
gas pay	GP
Gas Production Unit	GPU
gas purchase contract	GPC
Gas Research Institute	GRI
gas reserve group	GRG
gas rock	G Rk
gas sales contract	GSC
gas show	GS
gas to surface	GRS
gas to surface (time)	GTS
gas too small to measure	GTSTM
gas unit	GU
gas volume	GV
gas volume not measured	GVNM
gas well	GW
gas well shut in	GSI
gas-fluid ratio	GFR
gas-handling study group	GHSG
gas-oil contact	GOC

gas-oil ratio	G/O, GOR
gas-water contact	GWC
gas-well gas	GWG
gaseous nitrogen	G-N <sub>2</sub>
gaseous oxygen	G-O <sub>2</sub>
gasket	gskt
gasoline	gaso
gasoline plant	GP
gastropod	gast
gathering line	G/L
gauge	gge
gauge (ed) (ing)	ga
gauge ring	GR
gelled	gel
general	genl
general agreement	GA
General Electric Company	GE
General Land Office (Texas)	GLO
General Motors Corporation	GM
generation, generator	gen
geological quadrangle map	GQM
geology (ist) (ical)	geol
geophysical investigation map	GPM
geophysics (ical)	geop
geopressure development, failure	PD
geopressure development, success	PDS
Georgetown	Geo
geothermal	geo, GT
geothermal development, failure	GD
geothermal development, success	GDS
geothermal wildcat, failure	GW
geothermal wildcat, success	GWS
Gibson	Gib
Gigajoule	GJ

Gilcrease	Gilc
gilsonite	gil
glass, glassy	gls (y)
glaucinite, glauconitic	glau
Glen Dean lime	GD li
Glen Rose	GR
Glenwood	Glen
globe valve	GLBVV
Globigerina	Glob
Glorieta	Glor
glycol	glyc
gneiss	gns
going in hole	GIH
Golconda lime	Gol
good	gd
good fluorescence	GFLU
good odor & taste	gd o&t
good show of gas	GSG
good show oil	GSO
good show oil and gas	GSO&G
good well shutin	GSI
Goodland	Gdld, Good L
Goodwin	Gdwn
goose egg	G egg
Gorham	Gor
Gouldbusk	Gouldb
government	govt
governor	gov
grade	gr
grading	grdg
grading location	grdg loc
radiomanometer	GRAD
gradual, gradually	grad
grain	gr



grained (as in fine-grained)	gnd
grains per gallon	gg, GPG
gram	gm
gram molecular weight	g mole
gram calorie	g-cal
Graneros	Granos
granite point field	GPF
granite wash	gran w
granite, granular	gran
grant (of land)	grt
granular	grnlr
graptolite	grap
grating	grtg
gravel	gvl
gravel packet	GVLPK
gravitometer	grvt
gravity	grav, gr, GTY, GRVTY
gravityo API	gr API
gravity meter	G.M.
gray	gry
Gray sand	Gr Sd
Grayburg	Grayb
Grayson	Gray
greywacke	gywk
grease	gr
greasy	gsy
green	grn
Green River	Grn Riv
green royalty	gr roy
green shale	grn sh
Greenhorn	GH
grind out	GO
gritty	grty
grooved	grv

grooved ends	GE
gross	grs
gross acre-feet	GAF
gross weight	gr wt
ground	gr, grnd
ground level	GL
ground measurement (elevation)	GM
group	GRP
guard log	GRDL
guidance continuance tool	GCT
guide shoe	GS
Gulf Research and Development Company	GR&DC
G. Riv	Gull River
gummy	gmy
gun barrel	GB
gun perforate	G/P
Gunsite	Guns
gusset	GUS
gypsiferous	gyp
gypsum	GYP
Gyroidina	Gyr.
Gyroidina scal	Gyr. sc.

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**H**

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Hackberry	Hackb
hackly	hky
hand hole	HH
hand-control valve	HCV
handle	hdl
handling	HNDLG
handwheel	HND/WHL
hanger	hgr



Haragan	Hara
harbor	hbr
hard	hd
hard lime	hd li
hard sand	hd sd
Hardinsburg sand (local)	Hburg
hardness	hdns
hardware	hdwe
Haskell	Hask
Haynesville	Haynes
hazardous	haz
head	hd
header	hdr
headquarters	HQ
heat exchanger	HX, HTX
heat tracing (ed)	HT
heat-treated alloy	HTA
heat-treated, heater treater	HT
heater	htr
heating and ventilating	H&V
heating oil	HO
heating ventilating and air conditioning	HVAC
heavily	hvly
heavily (highly) gas-cut salt water	HGCSW
heavily (highly) gas-cut water	HGCW
heavily (highly) oil-cut mud	HOCM
heavily (highly) oil-cut salt water	HOCSW
heavily (highly) oil-cut water	HOCW
heavily (highly) water-cut mud	HWCM
heavily (highly) gas-cut mud	HGCM
heavily (highly) oil- and gas-cut mud	HO&GCM
heavy	hvy
heavy coker gas oil	HCGO
heavy cycle oil	HCO

heavy duty	HD
heavy fuel oil	HFO
heavy gas oil	HVGO
heavy hydrocrackate	HUX
heavy oil	HO
heavy reformat	HR
heavy steel drum	HSD
Heebner	Heeb
height	hgt
heirs	hrs
held by production	HBP
hematite	hem
Herington	Her
Hermosa	Herm
Hertz	Hz
heterostegina	het
hex head	HEX HD
hexagon (al)	hex
hexane	hex
Hickory	Hick
high detergent	HD
high gas-oil ratio	HGOR
high pressure	HP
high temperature	HT
high tension	HT
high viscosity	HV
high viscosity index	HVI
high voltage	H-VOLT
high volume lift	HVL
high-level shutdown	HLSD
high-pressure gas	HPG
high-pressure gauge	HPG
high-resolution dipmeter	HRD
high-temperature shutdown	HTSD



hily	highly
highway	hwy
Hilliard	Hill
hockleyensis	hock
Hogshooter	Hog
hold down	HLDN
hole full of oil	HFO
hole full of salt water	HFSW
hole full of sulfur water	HR Sul W
hole full of water	HFW
hole opener	HO, H. O.
holes per foot	HPF
Hollandberg	Holl
Home Creek	Home Cr
home office	HO
hook up	HU
hookwall packer	HWP
hooper	hop
Hoover	Hov
horizontal	horiz
horsepower	HP
horsepower-hour	hp-hr
Hospah	Hosp
hot dry rock development, failure	HD
hot dry rock development, successful	HDS
hot dry rock wildcat, failure	HW
hot dry rock wildcat, success	HWS
hot oil tar	HOT
hot-rolled steel	HRS
hour (s)	hr, HRS
house (ed) (ing)	HSE
house brand (regular grade of gasoline)	HB
Hoxbar	Hox
Humblei	Humb

Humphreys	Hump
hundred weight	cwt
Hunton	Hun
hydraulic	HYD
hydraulic pump	HP
Hydril	HYD
Hydril Thread	HYDT
Hydril Type A joint	HYDA
Hydril Type CA joint	HYDCA
Hydril Type CS Joint	HYDCS
hydro test	HYDRO
hydrocarbon	HC
hydrocarbon drain system	HCDS
hydrocracker	H/C, HC
hydrogendelsulfurization	HDS
hydrofining	hfg
hydrogen	H <sub>2</sub>
hydrogen delsulfurization	HDS
hydrogen ion concentration	pH
hydrogen sulfite	H <sub>2</sub> S
hydrogenation	HYGN
Hydrologic Investigations Atlas	HIA
hydrostatic heat	HH
hydrostatic pressure	HP
hydrostatic test	HST
hydrotreater	hydtr
hygiene	Hyg
hyperbolic constant	CSCH
hyperbolic contangent	COTH
hypotenus	COSH
hypotenuse	HYPO
hydraulic horsepower	HHP

identification sign	I.D. sign
identify (ier) (ication)	IDENT
Idiomorpha	Idio
igneous	ign
ignition	IGN
illuminator (s)	ILUM
imbedded	imdbed
immediate (ly)	immed
Imperial	Imp
Imperial gallon	Imp gal
impervious	imperv
impounding	IMP
impression block	IB
in hole	IH
imbedded	imdbed
incandescent	incd
inch (es)	in.
inch-pound	in.-lb
inches mercury	in. Hg
inches per second	in./sec
incinerator, incineration	INCIN
include (ed) (ing)	incl
inclusions	incls
income (er) (ing)	INCM
incorporated	Inc.
increase (ed) (ing)	incr
increment	incr
indicate (s) (tion)	indic
indicated horsepower	IHP
indicated horsepower hour	IHPHR
indistinct	indst
individual	indiv

induction	ind
induction electrical survey	IES
indurated	indr
inflammable liquid	Inf. L
inflammable solid	Inf. S
inflow performance rate	IPR
information	info
infrared	IR
inhibitor	inhib
initial	init
initial air block	LAB
initial boiling point	IBP
initial bottom-hole pressure	IBHP
initial bottom-hole pressure, flowing	IBHPF
initial bottom-hole pressure, shut in	IBHPSI
initial flowing pressure	IFP
initial fluid level	IFL
initial hydrostatic pressure	IHP
initial mud weight	IMW
initial open	IO
initial participating area	IPA
initial potential	IP
initial pressure	IP
initial production	IP
initial production flowed (ing)	IPF
initial production gas lift	IPG
initial production on intermitter	IPI
initial production plunger lift	IPL
initial production pumping	IPP
initial production swabbing	IPS
initial shutin tubing pressure	ISITP
initial shutin pressure (DST)	ISIP
initial vapor pressure	IVP
injection gas	IG



injection gas-oil ratio	IGOR
injection index	II
injection pressure	Inj Pr
injection rate	IR
injection water	IW
injection well	IW
injection, injected	inj
inland	inl
inlet	inl
inlet gate valve/inlet ball valve	IGV/IBV
Inoceramus	Inoc
input/output	I/O
inquire, inquiry	INQ
inside diameter	ID
inside screw (valve)	IS
insoluble	insol
inspect (ed) (ing) (tion)	insp
install (ed) (ing) (tion)	inst
install (ing) pumping equipment	IPE
installation operation & maintenance	I-O-M
installation (s)	instl
installing (ed) pumping equipment	INPE
instantaneous	inst
instantaneous shutin pressure (frac)	ISIP
institute	inst
instrument, instrumentation	instr
insulate	insul
insulate, insulation	ins
insurance	ins
integral	INT
integral joint	IJ
integrator	intgr
intention to drill	ITD
interbedded	interbd

interconnecting flow diagram	I/CFD
interconnection (ing)	I/C, INTCON
intercooler	inclr, INCLR
intercrystalline	inter-xln
interest	int
intergranular	inter-gran, irgr
interior	int, INTR
interlaminated	inter-lam, inlam
intermediate manifolds	IMF
intermediate pressure	IP
internal	int, INTL
internal flush	IF
Internal Revenue Service	IRS
internal upset ends	IUE
Interruptible Transport	IT
intersect	ints
intersection	int
interstitial	intl
interval	intv
intrusion	intr
invert (ed)	inv
invertebrate	invrtb
investment tax credit	ITC
invitation to bid	ITB
invoice	inv
Ireton	Ire
iridescent	irid
iron	Fe
iron body (valve)	IB
iron body brass (bronze) mounted (valve)	IBBM
iron body brass core (valve)	IBBC
iron case	IC
iron pipe size	IPS
iron pipe thread	IPT

ironstone	Fe-st, irst
irregular	irreg
isocracker	ISO/CKR
isolate (tor)	ISOL
isometric	isom, ISO
isopropyl alcohol	IPA
isothermal	isoth
issue	ISS
Iverson	Ives

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## J

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jacket	jac
Jackson	Jxn, Jack
Jackson sand	Jax sd
jammed	jmd
jasper (oid)	Jasp
Jefferson	Jeff
jelly-like colloidal suspension	gel
jet fuel (aviation)	JFA
jet perforated	JP
jet perforations per foot	JP/ft
jet propulsion fuel	JP fuel
jet shots per foot	JSPF
jet treating unit	JTU
job complete	JC
jobber	jbr
Joint Committee on Uniformity of Methods of Water Examination	JCUMWE
Joint Interest Billing	JIB
joint interest nonoperated (property)	JINO
joint operating agreement	JOA
joint operating provisions	JOP

joint operation	J/O
joint venture	JV
joint (s)	jt(s)
Jordan	Jdn
Joule	J
jobber	jbr
Judith River	Jud Riv
junction	jct
junction box	JB
junk (ed)	jnk
junk basket	JB
junk joint	JJ
junked and abandoned	J&A
Jurassic	Jur
jurisdiction	juris

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**K**

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killed	kld
kiln dried	KD
kilocalorie	kcal
kilocycle	kc
kilogram	kg
kilogram-calorie	kg-cal
kilogram-meter	kg-m
kilohertz	kHz
kiloliter	kl
kilometer	km
kilopascal	kPa
kilovar-hour	kvar-hr
kilovar; reactive kilovolt-ampere	kvar
kilovolt	kv
kilovolt peak	kvp

kilovolt-ampere	kva
kilovolt-ampere-hour	kvah
kilowatt	kw
kilowatt-hour	kw-h
kilowatt-hour-meter	kw-hm
Kincaid lime	Kin, Li, KD
Kinderhook	Khk
kinematic	Kin
kinematic viscosity	KV
Kirtland	Kirt
kitchen	KIT
KMA sand	KMA
knock down	KD
knock out	KO
known geothermal resource area	KGRA
Kootenai	Koot
Krider	Kri

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**L**

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La Motte	La Mte
labor	lab
laboratory	lab
ladder	lad
ladder & platform	L&P
lagging	LAG
laid (laying) down drill collars	LDDCs
laid (laying) down drillpipe	LDDP
laid down	LD
laid-down cost	LDC
Lakota	Lak
laminated, lamination (s)	lam
landing	LDG

land (s)	ld(s)
Landulina	Land
Lansing	Lans
lap joint	LJ
lapweld	LW
Laramie	Lar
large	lrg, lg
large-diameter flow line	LDF
Large Discorbis	Lg Disc
latitude	lat
Lauders	Laud
Layton	Layt
Le Comptom	Le C
leached	lchd
lead drill collar	LDCX
Leadville	Leadv
league	Lge
leak	lk
leakage	LKG
lease	lse
lease automatic custody transfer	LACT
lease crude	LC
lease operations	LOS
lease use (gas)	L U
Leavenworth	Lvnwth
left hand	LH
left in hole	LIH
legal subdivision (Canada)	LSD
length	lg
length overall	LOA
Lennepe	Len
lense	lns
lenticular	len
less than truckload	LTL



less-than carload lot	LCL
letter	ltr
level	lvl
level alarm	LA
level control valve	LCV
level controller	LC
level glass	lg
level indicator	LI
level indicator controller	LIC
level recorder	LR
level recorder controller	LRC
license	lic
Liebuscella	Lieb
light	lt
light barrel	LB
light brown oil stain	LBOS
light coker gas oil	LCGO
light fuel oil	LFO
light hydrocrackate	LUX
light iron barrel	LIB
light iron grease barrel	LIGB
light steel drum	LSD
lighting	ltg
lightning arrester	LA
lignite, lignitic	lig
lime, limestone	Li, lm, ls
limy	lmy
limy shale	Lmy sh
limit, limonite	lim
limited	ltd
line	LN
line pipe	L.P.
line pressure	LP
line, as in E/L (east line)	/L

linear	lin
linear foot	lin ft
liner	lnr, lin
linguloid	lngl
liquefaction	liqftn
liquefied petroleum gas	LP-Gas, LPG
liquid	liq
liquid level controller	LLC
liquid level gauge	LLG
liquid oxygen	LOX
liquid penetrate examination	LPE
list of components	LST/COMPTS
liter	l
lithographic	litho
little	ltl
load	ld
load acid	LA
load oil	LO
load water	LW
loader	LDR
loading	LDG
loading dock	L-DK
local	LCL
local control panel	LCP
Local Distribution Company	LDC
local injections plants	LIP
local purchase order	LPO
located, location	loc
location abandoned	loc abnd
location graded	loc gr
lock	lk
locker	LKR
lodge pole	LP
log mean temperature difference	LMTD



log total depth	LTD
logarithm (common)	log
logarithm (natural)	ln
long	lg
long coupling	LC
long handle / round point	LH/RP
long radius	LR
long-range automation plan	LRAP
long-range automatic plan	LRP
long string	LS
long-term tubing test	LTT
long threads and coupling	LT&C
longitude (inal)	long
loop	lp
lost circulation	LC
lost circulation material	LCM
Lovell	Lov
Lovington	Lov
low pressure	LP
low viscosity index	LVI
low voltage	L-VOLT
low water loss	LWL
low-pressure separation	LPS
low-pressure separator	LP sep
low-temperature extraction unit	LTX unit
low-temperature separation unit	LTS Unit
low-temperature shutdown	LTSD
lower	lwr, low
Lower Albany	L/Alb
lower anhydrite stringer	LAS
lower casing	LC
Lower Cretaceous	L/Cret
lower explosive limit	LEL
Lower Glen Dean	LGD

Lower Menard	LMn
lower tubing	LT
Lower Tuscaloosa	L/Tus
Lower, i.e., L/Gallup	L/
lube oil	LO
lubricate (ed) (ing) (tion)	lub
Lueders	Lued
lug cover type (5-gallon can)	LC
lug cover wit pour spout	LCP
lumber	lbr
lumpy	Lmpy
lustre	lstr

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**M**

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machine	mach
Mackhank	Mack
Madison	Mad
magnetic particle examination	MPE
magnetic, magnetometer	mag
magnetomotive force	mmf
main reaction furnace, “merf”	MRF
maintenance	maint
Manitoban	Manit
major, majority	maj
making	MKG
male and female (joint)	M&F
male pipe thread	MPT
male to female angle	MFA
malleable	mall
malleable iron	MI
management	m'gmt
manager	mgr



manhole	MH
manifold	MF, man
Manning	Mann
manual	man, MNL
manually operated	man op
manufacture (er)	MFR
manufactured	mfd
manufacturing	mfg
mapping subcommittee	MSC
Maquoketa	Maq
Marble Falls	Mbl Fls
marcaroni	MT
Marchand	March
marginal	marg
Marginulina	Marg.
Marginulina coco	Marg. coco.
Marginulina flat	Marg. fl.
Marginulina round	Marg. rd.
Marginulina texana	Marg. tex.
marine	mar
marine gasoline	margas
marine rig	MR
marine terminal	M/T
Marine Tuscaloosa	M. Tus
marine wholesale distributors	MWD
market demand factor	MDF
market(ing)	mkt
Markham	Mark
marking	MRK
marlstone	mrlst
marly	Mly
Marmaton	Marm
maroon	mar
Marshal (ling)	MARSH

masking plate	M/PLT
Massilina pratti	Mass pr.
massive	mass
massive anhydrite	MA
master	mstr
master circuit board	MCB
master load list	MLL
material	mat'l, mtl
material safety data sheets	MSDS
material take-off	MTO
mathematics	Math
matrix	Mtx
matter	Mat
maximum	max
maximum & final pressure	M&FP
maximum allowable operating pressure	MAOP
maximum allowable working pressure	MAWP
maximum casing pressure	MCP
maximum daily delivery obligation	MDDO
maximum efficient rate	MER
maximum flowing pressure	MFP
maximum operating pressure	MOP
maximum pressure	MP
maximum surface pressure	MSP
maximum top pressure	MTP
maximum total depth	MTD
maximum tubing pressure	MTP
maximum working pressure	MWP
Maywood	May
McClosky lime	McC lm
McCullough	McCul
McElroy	McEl
McKee	McK
McLish	McL



McMillan	McMill
Meakin	Meak
mean effective pressure	MEP
mean low water to platform	MLW-PLAT
mean low wave	MLW
mean sea level	msl
mean temperature difference	MTD
measure (ed) (ment)	meas
measure of hydrogen potential	pH
measured depth	MD
measured total depth	MTD
measuring and regulating station	M&R Sta.
mechanic (al), mechanism	mech
mechanical down time	Mech DT
mechanical flow diagram	MFD
mechanical properties	MPL
mechanism	mchsm
median	med
Medicine Bow	Med B
Medina	Med
medium	med
medium amber cut	MAC
medium fuel oil	med FO
medium grained	m-gr, med gr, mg
Medrano	Medr
Meeteetse	Meet
megacycle	mc
megahertz (megacycles per second)	MHz
megapascal	mPa
megawatt	MW
melting point	MP
member (geologic)	mbr
memo requesting quote (s)	MRQ
memorandum	memo

Menard lime	Men li
Menefee	Mene
Meramec	Mer
mercaptan	mercap
merchandise	mdse
mercury	merc
“merf”, main reaction surface	MRF
meridian	merid
Mesaverde	Mvde
mesh	M
Mesozoic	Meso
metal petal basket	MPB
metamorphic	meta
meter	m, mtr
meter run	MR
meter-kilogram	m-kg
methanator	methr
methane	meth
methane-rich gas	MEG
methanol	methol
methyl chloride	meth-cl
methylene blue	meth-bl
methylethylketone	MEK
methylisobutylketone	MIK
metric	metr
mezzanine	mezz
mhos per meter	mho/m
mica, micaceous	mica
micro-microfarad	m- $\mu$ f
microampere	$\mu$ A
microcrystalline	micro-xn, micro-x
microfarad	$\mu$ fd, m-f
microfossil (iferous)	micfos
microgram	$\mu$ -g



microgram (millionth)	$\mu\text{g}$
microinch	$\mu\text{-in.}$
micromicron	$\mu\text{-}\mu$
micron	$\mu$
microsecond	microsec., $\mu\text{sec}$
microvolt	$\mu\text{v}$
microwave	MW
middle	M/, mdl, mid
middle ground shoals	MGS
middle hydrocrackate	MUX
Midway	Mwy
mile (s)	mi
miles per hour	MPH
miles per year	MPY
military	mil
milky	mky
mill wrapped plain end	MWPE
milled	mld
milled one end	Mle
milled one end	M1E
milled other end	MOE
milled two ends	M2E
milliamper	ma
millidarcies	md
milligram	mg
millihenry	mh
milliliter	ml
milliliters tetraethyl lead per gallon	ml TEL/G
millimeter	mm
millimeters of mercury	mm Hg
millimicron	$\text{m}\mu$
milling	millg
milling	mlg
million (i.e., 9MM = 9,000,000)	MM

million British thermal units	MMBTU
million cubic feet	MMcf
million cubic feet per day	MMcfd
million electron volts	MMeV
million reservoir barrels	MMRVB
million standard cubic feet per day	MMscfd
millions of barrels	MMBLS
milliotitic	mill
milliroentgen	mr
millisecond (s)	ms
millivolt	mv
mineral	mnrl
mineral interest	MI
minerals	min
Minerals Management Service	MMS
minimum	min
Minimum Daily Quantity	MDQ
minimum pressure	min P
Minnekahta	Mkta
Minnelusa	Minl
minor	MNR
minute (s)	min
Miocene	Mio
miscellaneous	misc
Miscellaneous Field Studies Map	MFSM
miscible substance group	MSWG
Misener	Mise
Mission Canyon	Miss Cany
Mississippian	Miss
mix and pump	M&P
mixed	mxd
mixer	mix
mixing	MIXG
mobile	mob



model	mod
moderate (ly)	mod
modification	mod
modular	modu
Moenkopi	Moen
moisture impurities and unsaponifiabales (grease-testing)	MIU
molar	M
molas	mol
mole	mol
molecular weight	mol wt
molecule, molecular	MOL
mollusca	mol
molybdenum	MO
Monel drill collars	MDC
monitor	mon
monoethanolamine	MEA
monthly volume operation plan	MVOP
Montoya	Mont
Moody's Branch	MB
Moore County lime	MC ls
Mooringsport	Moor
more or less	m/l
Morrison	Morr
Morrow	Mor
mortgage	mtge
Mosby	Mos
motor	MTR, mot
motor control center	MCC
motor generator	mg
motor medium	MM
motor octane number	MON
motor oil	MO
motor oil units	MOU

motor severe	MS
motor vehicle fuel tax	MVFT
motor vehicle, motor vessel	M/V
mottled	mott
Mount Selman	Mt. Selm
mounted	mtd
mounting	mtg
mousehole	MH
moving	movg
moving (moved) in double drum unit	MIDDU
moving in (equipment)	MI
moving in and rigging up	MIRU
moving in cable tools	MICT
moving in completion rig	MICR
moving in equipment	MIE
moving in materials	MIM
moving in pulling unit	MIPU
moving in rig	MIR
moving in rigging up swabbing units	MIRUSU
moving in rotary tools	MIRT
moving in service rig	MISR
moving in standard tools	MIST
moving in tools	MIT
moving out	MO
moving out (off) cable tools	MOCT
moving out (off) rotary tools	MORT
moving out completion unit	MOCU
moving out equipment	MOE
moving out rig	MOR
Mowry	Mow
Mt. Diablo	MD
mud acid	MA
mud acid wash	MAW
mud cake	MC



mud cleanout agent	MCA
mud cut	MC
mud filtrate	MF
mud logger	ML
mud logging unit	MLU
mud to surface	MTS
mud weight	md wt, MW
mud-cut acid	MCA
mud-cut gas	MCG
mud-cut oil	MCO
mud-cut salt water	MCSW
mud-cut wayer	MCW
mud/silt remover	MSR
muddy	Mdy
muddy salt water	MSW
muddy water	MW
mudstone	mudst
multigrade	MG
multiple service acid	MSA
multiply, multiplexer	MULTX
multipurpose	MP
multipurpose grease lithium base	MPGH-lith
multipurpose grease soap base	MPGR-soap
muscovite	musc

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## N

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Nacotoch	Nac
nacreous	nac
nameplate	NP
naphfining unit	NU
naphtha	nap
naphtha-hydrogen desulfurization	NHDS
narrative	NARR

national	nat'l
national coarse thread	NCT
National Electric Code	NEC
National Fine (thread)	NF
National pipe thread	NPT
National pipe thread, female	NPTF
National pipe thread, male	NPTM
National pollution discharge elimination system	NPDES
natural	nat
natural flow	NF
natural gas	NG
natural gas liquids	NGL
nautical line	NMI
Navajo	Nav
Navarro	Navr
Naval Petroleum Reserve	NPR
Naval Petroleum Reserve, Alaska	NPRA
negative	neg
negligible	neg
negotiation	NEGO
neoprene	npne
net effective pay	NEP
net positive suction head	NPSH
net revenue interest	NRI
net tons	NT
neutral neutralization	neut
neutralization number	Nuet. No.
neutron lifetime log	NLL
New Albany shale	New Alb
new bit	NB
new field discovery	NFD
new field wildcat	NFW
new field wildcat, discovery	WFD
new field wildcat, dry new oil	WF

new oil	NO
new pool discovery	NPD
new pool exempt (nonprorated)	NPX
new pool wildcat	NPW
new pool wildcat, discovery	WPD
new pool wildcat, dry new rod	WP
new rod	NR
new source performance standards	NSPS
new total depth	NTD
Newburg	Nbg
Newcastle	Newc
Niagra	Nig
nickel plated	NP
Ninnescah	Nine
Niobrara	Niob
nipple	nip, NPL
nipple (ed) (ing) down blowout preventers	NDBOPs
nipple (ed) (ing) up blowout prevents	NUBOPs
nipple-down tree	NDT
nipple-up tree	NUT
nipped (ing) up	NU, UP
nipped down	ND
nippling up wellhead	NUWH
nitrogen	N <sub>2</sub>
nitrogen blanket	NB
nitroglycerine	nitro
no appreciable gas	NAG
no change	NC
no core	NC
no fluid	NF
no fluorescence	NF
no fluorescence or cut	NFOC
no fuel	NF
no gas to surface	NGTS

no gauge	NG
no good	NG
no increase	No Inc
no order required	NOR
no paint on seams	NPOS
no production	NP
no recovery	no rec, NR
no report, not reported	NR
no show	NS
no show fluorescence or cut	NSFOC
no show gas	NSG
no show oil	NSO
no test	N/tst
no time	NT
no visible porosity	NVP
no water	NW
Noble-Olson	NO
Nodosaria blanpiedi	Nod. blan.
Nodosaria mexicana	Nod. Mex.
nodule, nodular	nod
nominal	nom
nominal pipe size	NPS
noncontiguous tract	NCT
nondestructive testing	NDT
nondetergent	ND
nonemulsifying agent	NE
nonemulsion acid	NEA
nonleaded gas	NL Gas
nonoperated joint ventures	NOJV
nonoperating property	NOP
nonporous	NP
nonproducer	NP
nonreturnable steel barrel	NRSB
nonreturnable steel drum	NRSD



nonreturnable, no returns, not reached	NR
nonrising stem (valve)	NRS
nonstandard	nstd
nonstandard service station	N/S S/S
nonupset	NU
nonupset ends	NUE
nonemulsifying agent	NE
nonflammable compressed gas	nonf G
Nonionella	Non
Nonionella Cockfieldensis	N. Cock.
Noodle Creek	Ndl Cr
normal	nor
normal (to express concentration)	N
normally closed	NC
normally open	NO
north	N
north half	N/2
north line	NL
north offset	N/O
north quarter	N/4
northeast	NE
northeast corner	NEC
northeast line	NEL
northeast quarter	NE/4
northerly	N'ly
Northern Alberta Land Registration	NALRD
northwest	NW
northwest corner	NW/C
northwest line	NWL
northwest quarter	NW/4
Northwest Territories	NWT
not applicable	NA
not available	NA
not completed	NC

not deep enough	NDE
not drilling	ND
not in contract	NIC
not on bottom	NOB
not prorated	NP
not pumping	NP
not suitable for coating	NSC
not to scale	NTS
not yet available	NYA
not yet drilled	NYD
Notary Public	NP
notice of intention to drill	NID
notice of violation	NOV
notice to proceed	NTP
nozzle	noz
Nuclear Regulatory Commission	NRC
nugget	Nug
number	NO
number (before a number, i.e., No. 3)	No.
numerous	num
nylon	NYL



Oakville	Oakv
object	obj
observation	OBS
obsolete	obsol
occasional (ly)	occ
ocean bottom suspension	OBS
octagon, octagonal	oct
octane	oct
octane number requirement	ONR



octane number requirement increase	ONRI
O'Dell	Odel
odor	od
odor, stain and fluorescence	OS&F
odor, taste & stain	OT&S
odor, taste, stain and fluorescence	OTS&F
off bottom	OB
offshore	offsh
off / on location	OL
office, official	off
official potential test	OPT
offsite	OFS
Ohio River Valley Water Sanitation Committee	ORSANCO
ohm	ohm
ohm-centimeter	ohm-cm
ohmmeter	ohm-m
oil	O
oil abandoned well	OAW
oil and gas	O&G
Oil and Gas Investigations Chart	OC-
Oil & Gas Journal	OGJ
oil and gas lease	O&GL
oil- and gas-cut acid water	O&GCAW
oil- and gas-cut load water	O&GCLW
oil- and gas-cut mud	O&GCM
oil- and gas-cut salt water	O&GCSW
oil- and gas-cut sulfur water	O&GC SULW
oil- and gas-cut water	O&GCW
oil and salt water	O&SW
oil and sulfur water-cut mud	O&SWCM
oil and water	O&W
oil-based mud	OBM
oil circuit breaker	OCB
Oil Creek	Oil Cr

oil cut	OC
oil down to	ODT
oil emulsion	OE
oil emulsion mud	OEM
oil fluorescence	OFLU
oil fractured	oilfract
oil immersed, water cooled	OIWC
oil in hole	OIH
oil in place	OIP
oil in tanks	OIT
oil insulated	OI
oil insulated fan cooled	OFIC
oil insulated, self-cooled	OISC
oil odor	OO
oil pay	OP
oil payment interest	OPI
Oil Refining Industry Action Committee	ORIAM
oil sand	O sd
oil show	OS
oil stain	OSTN
oil standing in drillpipe	OSIDP
oil string flange	OSF
oil to surface	OTS
oil unit	OU
oil well flowing	OWF
oil well from water flood	OWFWF
oil well gas	OWG
oil well shut in	OSI
oil-cut mud	OCM
oil-cut salt water	OCSW
oil-cut water	OCW
oil-powered total energy	OTE
oil-soluble acid	OSA
oil-water contact	OWC



old plugback	OPB
old plugback depth	OPBD
old total depth	OTD
oil well drilled deeper	OWDD
old well plugged back	OWPD
old well sidetracked	OWST
old well worked over	OWWO
olefin	ole
Oligocene	Olig
on center	OC
one thousand foot-pounds	kip-ft
one thousand pounds	kip
ooliclastic	ooc
oolimoldic	oom
oolitic	ool
open (ed) (ing)	opn
open choke	OC
open cup	OC
open end	OE
open flow	OF
open flow potential	OFFP
open hearth	OH
open hole	OH, op hole
open line (no choke)	OL
open-top tank	O/T tk
open tubing	OT
open-file report	OF
operate, operations, operator	oper
operation shutdown	OSD
operations and maintenance	O&M
operations commenced	OC
Operculinoides	Operc
opposite	opp
optimum bit weight and rotary speed	OBW&RS

option to farmout	optn to F/O
optional	OPTL
orange	OR
Ordovician	Ord
Oread	Or
organic	org
organization	org
orientation	ORIENT
oriented microresistivity	OMRL
orifice	orf
orifice flange one end	OFOE
original oil in place	OOIP
original stock tank oil in place	OSTOIP
original total depth	OTD
original, originally	orig
Oriskany	Orisk
orthoclase	orth
Osage	Os
Osborne	O
Ostracod	ost
Oswego	Osw
other end beveled	OEB
ounce	oz
Ouray	Our
out of service over and short (report)	O/S
out of stock	O/S
outboard motor oil	OBMO
Outer Continental Shelf	OCS
outlet	otl, OUT
outline	OLN
outpost	OP
outside diameter	OD
outside screw and yoke (valve)	OS&Y
overexpenditure	OE

overhead	OH
overproduced	OP
overall	OA
overall height	OAH
overall length	OAL
overflush (ed)	OFL
overhead	ovhd
overriding royalty	ORR
overriding royalty interest	ORRI
overseas procurement office	OPO
overshot	OS
overtime	OT
oxidized, oxidation	ox
oxygen	oxy

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**P**

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Pacific Outer Continental Shelf	POCS
packed	pkd
packer	pkr
packer set at	PSA
packing, package (ed)	pkg (d)
Paddock	Padd
page (before a number, i.e., p. 4)	p.
Pahasapa	Paha
paid	pd
Paint Creek	PC
pair	pr
paleontology	Paleo
Paleozoic	Paleo
Palo Pinto	Palo P
Paluxy	Pal, Pxy
panel	pnl

panel board	PNL BD
Panhandle Lime	Pan L
Paradox	Para
Park City	Park C
parish	Ph
paraffins-olefins-napthenes-aromatics	PONA
party, partly	pt
partial	PART
participating area	PA
partings	prtgs
partition	PTN
partly	ptly
parts per billion	ppb
parts per million	ppm
Pascal	Pa
patent (ed)	pat
pattern	patn
pavement	pvmt
paving	pav
Pawhuska	Paw
payment	pymt
pearly	prly
pebble, pebbly	pbl (y)
Pecan Gap	PG
Pecan Gap chalk	PGC
pedestal	PED
pelecypod	plcy
pellletal, pelletoidal	pell
penalty, penalize (ed) (ing)	penal
penetration asphalt cement	Pen A.C.
penetration index	PI
penetration, penetration test	pen
Pennsylvanian	Penn
Pensky Martins	P-M



Pensky-Martins (flash)	P-M
per-acre bonus	PAB
per-acre rental	PAR
percent	pct, %
per day	PD
per foot	/ft, pft
percolation	perco
perforate (ed) (ing) (or)	perf
perforated casing	perf csg
perforating hyper select	H-SEL
perforating, Enerjet	EJ
perforating, Hyperdome	HD
perforating, Hyperdome II	P-HDII
perforating, Ultrajet	ULJ
performance evaluation and review technique	PERT
Performance Number (aviation gas)	PN
period	prd
peripheral wedge zone	PWZ
permanent	perm
permanent type completion	PTC
permanently shut down	PSD
permeable (ability)	perm
Permian	Perm
permit	prmt
perpendicular	perp
personal and confidential	P&C
personnel	pers
petrochemical	petrochem
petroleum	pet
petroleum and natural gas	P&NG
petroliferous	petrf
Pettet	Pet
Pettit	Pett
Pettus sand	Pet sd

phase	ph
Phosphoria	Phos
Phrohotite	po
picked up	PU
picking up drillpipe	PUDP
Pictured Cliff	Pic Cl
piece	pc
pilot	plt
pilot loaded valve	PLV
pin end	pe
Pin Oak	P.O.
Pine Island	PI
pink	pk
pinpoint	pinpt, PP
pinpoint porosity	PPP
pint	pt
pipe butt weld	PBW
pipe electric weld	PEW
pipe lap weld	PLW
pipe seamless	PSM
pipe sleeve	PSL
pipe spiral weld	PSW
pipe to soil potential	PTS pot
pipe-handling capacity	PHC
pipeline	PL
pipeline oil	PLO
pipeline terminal	PLT
pipeway	PWY
piping	ppg
piping and instrument diagrams	P&IDS
piping diagram	P/DIA
pisolites, pisolitic	viso
pitted	pit
plagioclase	plg



plain both ends	PBE
plain end	PE
plain end beveled	PEB
plain large end	PLE
plain one end	POE
plain small end	PSE
plan	pln
plan of development	POD
plant	plt
plant (pressure) volume reduction	PVR
plant fossils	pl fos
Planulina harangensis	Plan. har.
Planulina palmarie	Plan. palm.
plaster	PLASR
plastic	plas
plastic viscosity	PV
plate	PL
platform	platf
platy	plty
please note and return	PNR
Pleistocene	Pleist
Pliocene	Plio
plug	Pg
plug down	PD
plug on bottom	POB
plugged	plgd
plugged and abandoned	P&A
plugged back	PB
plugged-back depth	PBD
plugged back total depth	PBTD
plumbing	PLMB
plunger	plngr
pneumatic	pneu
Podbielniak	Pod.

point	pt
Point Lookout	Pt Lkt
poison	pois
poker chipped	PC
polish (ed)	pol
polished rod	PR
polyethylene	poly cl
polymerization, polymerized	poly
polymerized gasoline	polygas
polypropylene	polypl
polyvinyl chloride	PVC
Pontotoc	Pont
pooling agreement	PA
poor	pr
porcelaneous	porc
porcion	porc
pore volume	PV
porosity and permeability	P&P
porosity, porous	por
porous and permeable	P&P
port collar	pc
portable	port
Porter Creek	PC
position	pos
positive	pos
positive crankcase ventilation	PCV
possible (ly)	poss
Post Laramine	P Lar
Post Oak	P.O.
postweld heat treatment	PWHT
potable water	POT/WTR
potential	pot
potential difference	pot dif
potential test	PT



potential test to follow	PTTF
pound	lb
pound-inch	lb-in.
pounds per barrel	PPB
pounds per cubic foot	PCF
pounds per gallon	PPG
pounds per square foot	psf, lb/sq ft
pounds per square inch	psi, PSI
pounds per square inch absolute	psia, PSIA
pounds per square inch gauge	psig, PSIG
pour point (ASTM method)	pour ASTM
power	PWR
power distribution center	PDC
power distribution system	PDS
power factor	PF
power factor meter	PFM
Precambrian	Pre Camb
precast	prcst
precipitate	ppt
precipitation number	ppn no
precipitator	PRECIP
predominant	predom
prefabricated	prefab
preferred	pfd
prefractionator	PFRACT
preheater	prehtr
preliminary	prelim
premium	prem
prepaid	ppd
prepare, preparing, preparation	Prep
preparing to take potential test	PRPT
present depth	PD
present operations	pr op
present production	P.P.

present total depth	PTD
present worth at discount rate of 15%	PW(15)
pressed distillate	PD
pressure	press
pressure alarm	PA
Pressure Base	PB
pressure control valve	PCV
pressure differential controller	PDC
pressure differential indicator	PDI
pressure differential indicator controller	PDIC
pressure differential recorder	PDR
pressure differential recorder controller	PDRC
pressure indicator	PI
pressure indicator controller	PIC
pressure recorder	PR
pressure recorder control	PRC
pressure safety valve	PSV
pressure seal bonnet	PSB
pressure switch	PS
pressure-volume temperature	PVT
prestressed	prest
prevent, preventive	prev
prevention of significant deterioration, EPA	PSD
previous	PREV
previous daily average	PREV DO AVG
primary	pri
Primary Reference Fuel	PRF
principal	prin
principal lessee (s)	prncpl lss
prism (atic)	pris
private branch exchange	PBX
privilege	priv
probable (ly)	prob
process	proc



process & instrument diagram	P&ID
process flow diagram	PFID
Process Performance Index	PPI
produce (ed) (ing) (tion), product (s)	prod
producing gas well	PGW
producing oil and gas well	POGW
producing oil well	POW
producing oil well, flowing	POWF
producing oil well, pumping	POWP
producing well	PW
production department exploratory test	PDET
production management	PML
production payment	PP
production payment interest	PPI
production test flowed	PTF
production test pumped	PTP
productivity index	PI
professional paper	PP
profit and loss	P&L
profit-sharing interest	PSI
progress	prog
project (ed) (ion)	proj
project ultimate cost	PUC
projected total depth	PTD
propane	LPG
property	PROP
property line	PL
proportional	prop
propose (ed)	prop
proposed bottom-hole location	PBHL
proposed depth	PD
proposed total depth	PTD
prorated	pro
prospect	Psp

protection	prot
Proterozoic	Protero
provincial	Prov
pseudo	pdso, ps
public address	PA
public relations	PR
Public School Land	PSL
pull (ed) rods and tubing	PR&T
pull (put) out of hole	POOH
pulled	pld
pulled (put) out of hole	POH
pulled bid pipe	PBP
pulled out	PO
pulled pipe	PP
pulled up	PU
pulled up in casing	PUIC
pulling	plg
pulling tubing	PTG
pulling tubing and rods	PTR
pulsation dampner	PD
pulse (sating) (sation)	PULS
pump	P/
pump and flow	P&F
pump building	P/BLDG
pump in	PI
pump jack	PJ
pump job	PJ
pump on beam	POB
pump pressure	PP
pump station	PS
pump testing	P tstg
pump-in pressure	PIP
pump (ed) (ing)	pmp (d) (g)
pumper's depth	PD



pumping equipment	PE
pumping for test	PFT
pumping load oil pilot	PLO
pumping unit	PU
pumps off	PO
purchase order	PO
purchasing	PURCH
purchasing request	PR
purification	PURF
purple	purp
putting on pump	POP
pyrite, pyritic	pyr
pyrobitumen	pyrbit
pyroclastic	pyrclas
pyrolysis	pyls



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quadrant	QDRNT
quadrant, quadrangle, quadruple	quad
qualitative	QUAL
quality	qual
quality assurance	QA
quality control	Q.C., QC
quality discount allowance	QDA
quantity	qty
quarry	qry
quart (s)	qt
quarter	qtr
quartz, quartzite, quartzitic	qtz
quartzose	qtzose
Queen City	Q. City
Queen Sand	Q. sd

quench	qnch
questionable	quest
quick ram change	QRC
quintuplicate	quint

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**R**

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rack	RK
radiant	RADT
radiation	radtn
radical	rad
radioactive	RA
radiographic examination	RT
radiological	rad
radius	R
radius	rad
railing	rlg
railroad	RR
Railroad Commission (Texas)	RRC
rainbow show of oil	RBSO
raised face	RF
raised face, flanged end	RFFE
raised face, slip on	RFSO
raised face, smooth finish	RFSF
raised face, weld neck	RFWN
Ramsbottom Carbon Residue	RCR
ran (running) rods and tubing	RR&T
ran in hole	RIH
random lengths	RL
range	rge
Ranger	Rang
rankine (temp.scale)	R
rapid curing	RC



rat hole	RH
rat hole mud	RHM
rate of penetration	ROP
rate of return	ROR
rate too low to measure	RTLTM
rating	rtg
raw gas	RG
raw gas lift	RAGL
re-evaluation for overoptimism	REFOO
reabsorber	REABS
reacidize (ed) (ing)	reacd
reaction (ed)	react
ready for rig	RFR
ream	rm
reamed	rmd
reaming	rmg
reboiler	RBLR
received	recd
receiver	recr
receptable	recp, RCPT
reciprocate (ing)	recip
recirculate	recirc
recommend	rec
recommended spare part	R-SP
recomplete (ed) (ion)	recomp
recompressor	RECOMP
recondition (ed)	recond
record (er) (ing)	rec
recover (ed) (ing), recovery	rec
recovery	RCVY
rectangle, rectangular	rect
rectifier	rect
recycle	recy, RCYL
recycle	recy, RCYL

red beds	Rd Bds
Red Cave	RC
Red Fork	Rd Fk
red indicating lamp	RIL
Red Oak	R.O.
Red Peak	Rd Fk
Red River	RR
redrilled	redrld, RR
reducer	RDCR
reducing balance	red bal
reducing, reducer	red
reference	ref
refine (ed) (er) (ry)	ref
Refinery Technology Laboratory	RTL
refining	refg
reflect (ed) (ing) (tion)	refl, RFLCT
reflux	refl
reformate (er) (ing)	reform
reformer	REFMR
refraction, refractory	refr
refrigeration building	RFG/BD
refrigerator (rant) (tion)	REFRIG
regenerator	regen
register	reg, RGTR
regular acid	R/A
regular, regulator	reg
Reid vapor pressure	RVP
reinforce (ed) (ing) (ment)	reinf
reinforced concrete	reinf conc
reinforcing bar	rebar
reject	rej
rejection	rej'n
Reklaw	Rek
relative humidity	RH



relay	rly
release (ed) (ing)	rls (ed) (ing), red
released swab unit	RSU
relief	rif
relief valve	RV
relocate (ed)	reloc
remains	rmns, remns
remedial	rem
remote control	RC
remote operating system (station)	ROS
remote terminal unit	RTU
remove (al) (able)	rmv (l)
Renault	Ren
rental	rent
Reophax bathysiphoni	Reo. bath.
repair (ed) (ing) (s)	rep
repairman	rpmn
reperforated	reperf
replace (ed)	rep
replace (ment)	repl
report	rep, RPRT
reported	rptd
request	REQ
request for proposal	RFP
request for quote	RFQ
required	reqd
requirement	reqmt
requisition	req
research	res
research and development	R&D
Research Octane Number	Res. O. N., RON
Research Planning Institute	RPI
reserve (ation)	res
reservoir	rsvr

reservoir description service	RDS
residual, residue	resid
resinous	rsns
resistance, resistivity, resistor	res
resistivity	R
resistivity (as recorded from 16" electrode configuration)	R(16")
resistivity invaded zone	RIZ
resistivity, flushed zone	Rxo
resistivity, mud	Rm
resistivity, mud filtrate	Rmf
resistivity, water	Rw
resistivity, water (apparent)	Rwa
resistor (s)	RESIS
retail pump price	RPP
retain (er) (ed) (ing)	ret, rtnr
retard (ed)	rtd
retrievable	retr
retrievable bridge plug	RBP
retrievable retainer	retr ret
retrievable test treat squeeze (tool)	RTTS
return	ret
return on investment	ROI
returnable steel drum	RSD
returned	retd
returned well to production	RWTP
returning circulation oil	RCO
reverse (ed)	res, rev (d)
reverse circulation	RC
reverse circulation rig	RCR
reversed out	rev/O, RO
revise (ed) (ing) (ion)	rev
revolution (s)	rev
revolutions per minute	rpm

revolutions per second	rpm
rework (ed)	rwk (d)
rheostat	rheo
ribbon sand	Rib
rich oil fractionator	ROF
Rierdon rig	Rier
rig (ged) (ging) up	RU
rig floor	RF
rig on location	ROL
rig released	RR, R Rel
rig repair	RR
rig service	RS
rig skidded	RS
rig time	RT
rig-up casing crew	RUCC
rigged (ing) down	RD
rigged down, moved out	RDMO
rigged-down swabbing unit	RDSU
rigging rotary	RR
rigging-up cable tools	RUCT
rigging-up machines	RUM
rigging-up pump	RUP
rigging-up rotary tools	RURT
rigging-up service rig	RUSR
rigging-up standard tools	RUST
rigging-up swabbing unit	RUSU
rigging-up tools	RUT
right angle	RA
right hand	RH
righthand door	RHD
right of way	ROW
ring	rg
ring groove	RG
ring joint	RJ

ring joint, flanged end	RJFE
ring tool joint	RTJ
ring-type joint	RTJ
rising stem (valve)	RS
rivet	riv., RVT
road (s)	rd (s)
road & location	R&L
road & location complete	R&LC
Robulus	Rob
rock	rk
rock bit	RB
rock pressure	RP
Rockwell hardness number	RHN
rocky	rky
Rodessa	Rod
rods and tubing	R&T
roentgen	r
roofing	RFG
room	rm
root mean square	RMS
rose	ro
Rosiclare sand	Ro sd
rotameter	RTMTR
rotary bushing	RB
rotary bushing measurement	RBM
rotary drive bushing	RDB
rotary drive bushing to ground	RDB-GD
rotary kelly bushing	RKB
rotary time	RT
rotary test	R test
rotary tools	RT
rotary total depth	RTD
rotary unit	RU
rotary, rotate, rotator	rot



rotative gas lift	ROGL
rough	rg
rough order of magnitude	ROM
round	rd
round thread	rd thd
round trip	rdtp
round trip changed bit	RT CB
rounded	rdd, rnd
routing	RTG
rows	R
royalty	roy
royalty interest	RI
rubber	rbr, rub
rubber ball sand water frac	RBSWF
rubber ball sand oil frac	RBSOF
rubber balls	Rbls
run of mine	ROM
running	rng
running casing	RC
running electric log	REL
running radioactive log	RALOG
running tubing	RTG
rupture	rupt
rust and oxidation	R&O

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## S

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Sabinetown	Sab
saccharoidal	sach
sack (s)	sk, sx
saddle	sadl
Saddle Creek	Sad Cr
safety	saf

safety relief valve	SRV
safety/department	SAF/DPT
Saint Genevieve	St Gen
Saint Louis lime	St L
Saint Peter	St Ptr
Salado	Sal
salary, salaried	sal
Saline Bayou	Sal Bay
salinity	sal
salt	X
salt and pepper	s&p
Salt Mountain	Slt Mtn
salt wash	SW
salt water	SW, swtr, XW
salt water to surface	SWTS
saltwater-cut mud	SWCM
saltwater disposal	SWD
saltwater disposal system	SWDS
saltwater disposal well	SWDW
saltwater fracture	SWF
saltwater injection	SWI
salty	Slty
salty sulfur water	SSUW
salvage	salv
sample	samp, smpl, spl
sample chamber	splcham
sample formation tester	SFT
sample tops	S/T
San Andres	San And
San Angelo	San Ang
San Bernardino base and meridian	SBB&M
San Rafael	San Raf
Sanstee	Sana
sand	SD, sd

sand and shale	sd&sh
sand-oil fracked	sdoilfract
sand-oil fracture	SOF
sand showing gas	Sd SG
sand showing oil	Sd SO
sand-water fracked	sdwtrfract
sanded	sdd
sandfracked	sdfract, SF
sandstone	SS
sandy	sd y
sandy lime	sd y li
sandy shale	sd y sh
sanitary	SAN, sani
sanitary water	S/WTR
Santa Margarita	Sta Marg
saponification	sap
saponification number	Sap No.
Saratoga	Sara
Satanka	Stnka
saturated, saturation	sat
Sawatch	Saw
Sawtooth	Sawth
Saybolt furol	Say Furol
Saybolt Seconds Universal	SSU
Saybolt universal viscosity	SUV
scaffolding	SCAF
scales	sc
scatter (ed)	scat (d), sctr (d)
schedule	sch
schematic	schem
Schlumberger	SCHL
scolescodonts	scolc
scraper	scr
scratcher	scr

screen	scr
screw (ed)	scr (d)
screw end American National Acme thread	SE NA
screw end American National Coarse thread	SE NC
screw end American National Taper Pipe thread	SE NTP
screwed and socketweld	S/SW
screwed end	S/E
screwed on one end	SOE
scrubber	scrub
sea level	S.L.
Seabreeze	Sea
seal assembly	SA
seal oil	SEO
seal weld	SWLD
seal-welded bonnet	SWB
sealed	sld
seamless	smls
seating nipple	SN
secant	sec
second (ary)	sec
secondary butyl alcohol	SBA
seconds	S, sec
secretary	sec
section	sec
section (s) (al) (ing)	SECT
section line	SL
section-township-range	S-T-R
securaloy	sclly
sediment (s)	sed
Sedwick	Sedw
segment	SEG
seismograph, seismic	seis
selection (tive) (tor)	SELECT
selenite	sel



self (spontaneous) potential	SP
self-contained	SC
self-elevating work platform	SEWOP
Selma	Sel
Senora	Sen
separate, separator, separation	SEP
septuplicate	sept
sequence	seq
series, serial	ser
serpentine	serp
Serratt	Serr
service	svc, serv
service charge	serv chg
service unit	svcu
set drillpipe	SDP
set plug	SP
settling	set
Seven Rivers	S Riv
service station	SS
severy	Svry
Seward Meridian (Alaska)	SM
sewer	sew
sexton	Sex
sextuple	sxtu
sextuplicate, sextuplet	sext
shaft horsepower	shp
shake out	SO
shale	sh
shaled out	SO
shaly	shly
shallower pool (pay) test	SPT
shallower pool wildcat, discovery	WSD
shallower pool wildcat, dry	WS
Shannon	Shan

shear	shr
sheathing	shthg
sheet	sh
sheeting	SHTG
shell and tube	S&T
shells	shls
shelter	SHLT
Shinarump	Shin
ship (ping)	shp(g)
shipping point (purchasing term)	s/p, sp
shipment	shpt
shock sub	SS
shop fabrication	S/FAB
short radius	SR
short string	SS
short thread	ST
short threads & coupling	ST&C
shortage	SHTG
shot open hole	SOH
shot per foot	SPF
shot point	sp
shoulder	shld
show condensate	SC
show gas	SG
show gas and condensate	SG&C
show gas and distillate	SG&D
show gas and water	SG&W
show of dead oil	SDO
show of free oil	SFO
show gas and oil	SG&O
show of oil side opening	SO
show oil and gas	SO&G
show oil and water	SO&W
shut down	SD

shut down awaiting orders	SDWO
shut down for orders	SDO
shut down for night	SDFN
shut down for pipeline	SDPL
shut down for repairs	SDR
shut down for weather	SDW
shut down overnight	SDON
shut down to acidize	SDA
shut down to fracture	SDF
shut down to log	SDL
shut down to plug and abandon	SDPA
shut in	SI
shutin bottom-hole pressure	SIBHP
shutin casing pressure	SICP
shutin gas well	SIGW
shutin oil well	SIOW
shutin pressure	SIP
shutin tubing pressure	SITP
shutin wellhead pressure	SIWHP
shutin, waiting on potential	SIWOP
shut well in overnight	SWION
side door choke	SD Ck
side opening	SO
sidewall cores	SWC
sidewall neutron porosity	SWNP
sideboom	SB
siderite (ic)	sid
sides, tops, & bottoms	s, t&b
sidetrack (ed) (ing)	sdkr, ST
sidetracked hole	STH
sidetracked total depth	STTD
sidewall	SDWL
sidewall samples	SWS
siding	SDG

signed	sgd
silencer	SLNCR
silica, siliceous	silic
silky	slky
siltstone	silt
silty	slty
Silurian	Sil
similar	sim
Simpson	Simp
single (s)	sgl (s)
single-pole double throw	SPDT
single-pole double throw switch	SPDT SW
single-pole single throw	SPST
single-pole single throw stitch	SPST SW
single-pole switch	SP SW
single random lengths	SRL
single shot	SS
Siphonina davisii	Siph. d.
size	sz
sketch	SK
skimmer	skim
Skinner	Skn
Skull Creek	Sk Crk
sleeper	SLPR
sleeve	sl, SLV
sleeve bearing	SB
slickensided	sks
sliding-scale royalty	S/SR
slight (ly)	sli
slight oil-cut mud	SOCM
slight oil-cut water	SOCW
slight show of gas	SSG
slight show of oil	sli SO, SSO
slight show of oil and gas	SSO&G



slight, weak, or poor fluorescence	SFLU
slightly gas-cut salt water	SGCSW
slightly gas-cut water cushion	SGCWC
slightly gas-cut mud	SGCM
slightly gas-cut oil	SGCO
slightly gas-cut water	SGCW
slightly gas-cut water blanket	SGCWB
slightly oil- and gas-cut mud	SO&GCM
slight oil-cut salt water	SOCSW
slight oil-cut water blanket	SOCWB
slight oil-cut water cushion	SOCWC
slightly porous	sp
Sligo	Sli
slim-hole drillpipe	SHDP
slip and cut drill time	SC DL
slip on	SO
slope type of wall to keep out flooding	berm
slow set (cement)	SS
slurry	slur
Smackover	Smk, SO
small	sm
small show	SS
Smithwick	Smithw
smoke volatility index	SVI
smooth	smth
snubber, snubbing	SNUB
snuffing	SNUFF
Society of Economic Paleontologists & Mineralogists	SEPM
Society of Petroleum Engineers	SPE
socket	skt
socket weld	SW
sodium-based grease	sod gr
sodium carbonate	NaCO <sub>3</sub>

sodium carboxymethylcellulose	CMC
sodium chloride	NaCL
sodium hydroxide	NaOH
soft	sft
solar heat medium	SHM
solenoid	sol, slnd
solenoid-operated valves	SOV
solenoid valve	SV
solids	sol
solution	soln
solvent	solv
somastic	som
somastic coated	somct
sonic log	SONL
sort (ed) (ing)	srt
south	S
south half	S/2
south line	SL
south offset	S O
southeast	SE
southeast corner	SE/C
southeast quarter	SE/4
southerly	S'ly
southwest corner	SW/c
southwest quarter	SW/4
spacer	spcr
spare	sp
Sparta	Sp
spearfish	spf
special	spcl
specialty	splty
specific gravity	sp gr
specific heat	sp ht
specific volume	sp. vol.



specification	spec
speckled	speck
speed/current	S/C
speed/torque	S/T
Sphaerodina	Sphaer
sphalerite	sphal
spherules	sph
spicule (ar)	spic
spigot	SPGT
spigot and spigot	s&s
spillway	SPWY
spindle	spdl
Spindletop	spletp
spiral weld	SW
spirifers	sprf
Spirolectamina barrowi	Spiro. b.
splintery	sply
splitter	SPLTR
sponge	spg
spore	sp
spot sales agreement	SSA
spotted	sptd
spotty	sptty
Spraberry	Spra
spring	spg
Springer	Sprin
sprinkler	spkr
sprocket	spkt
spud (ded) (der)	spd
square	sq
square centimeter	sq cm
square foot	ft <sup>2</sup> , sq ft
square inch	sq in.
square kilometer	sq km

square meter	sq m
square millimeter	sq mm
square root	SQRT
square yard (s)	sq yd
squeeze (ed) (ing)	sqz
squeeze packer	sq pkr
squeezed	sq
squirrel cage	sq cg
stabilized (er)	stab
stage	STG
staggered	STAG
stain (ed) (ing)	stn (d) (g)
stain and odor	S&O
stainless steel	SS
stairway	stwy
Stalnacker	Stal
stand (s) (ing)	std
stand by	stn/by
standard cubic feet per day	SCFD, scfd,
standard cubic feet per hour	SCFH, scfh
standard cubic feet per minute	SCFM, scfm
standard cubic foot	SCF, scf
standard operational procedure	SOP
standard temperature and pressure	STP
standardization	STDZN
standards	std (s)
standing	stdg
Stanley	Stan
start	st
start of cycle	SOC
start of run	SOR
started in hole	SIH
started out of hole	SOH, SOOH
starting fluid level	SFL



state lease	SL
state potential	State pot
statewide rules	SWR
static bottom-hole pressure	SBHP
station	sta
stationary	stat
statistical	stat
steady	stdy
steam	stm
steam cylinder oil	stm cyl oil
steam emulsion number	SE No.
steam engine oil	stm eng oil
steam trace (ing)	STM TR
steam working pressure	SWP
steel	stl
steel line correction	SLC
steel line measurement	SLM
steel tape measurement	STM
Steele	Stel
stencil (ed) (ing)	stncl (d) (g)
stenographer	steno
Stensvad	Stens
sticky	stcky
stiffener	STIF
stippled	stip
stirrup	stir
stock	stk
stock tank barrels	STB, stb
stock tank barrels per day	STBPD, stb/d
stock tank oil in place	st oip
stock tank vapor	STV
Stone Corral	Stn Crl
Stony Mountain	Sty Mtn
stopper (rd)	stpr (d)

storage	strg
stove oil	stv
straddle	strd
straddle packer	SP
straddle packer drillstem test	SP-DST
straight	strt
straight-hole test	SHT
straight-run naphtha	SRN
straightened	strtd
straightening	stging
strainer	stnr
strand (ed)	strd
strap out of hole	STROH
strapped out of hole	SOOH
stratigraphic	strat
Strawn	Str
streak	stk, strk
striated	stri
string (er)	strg (r)
string shot	SS
strip (per) (ping)	STPR
strokes per minute	SPM
stromatoporoid	strom
strong	strg
structure, structural	struc
stuck	stl
study	stdy
stuffing box	SB
styolite, styolitic	styo
sub-Clarksville	Sub Clarks
subangular	sub angl
subdivision	subd
subrounded	sub rnd
subsea	SS



subsidiary	sub
substance	sub
substation	substa
substitute	SUBST
substructure height	SH
subsurface	SS
subsurface safety valve	SSSV
successful wildcat outpost	WOE
sucker rod	skr d
sucrose, sucrosic	suc
suction	suct
sugary	sug
sulfate bacteria	SRB
sulfur by bomb method	S Bomb
sulfur, sulfuric	sulf
sulfuric acid	H <sub>2</sub> SO <sub>4</sub>
sulfated	sulf
sulfur	sul
sulfur water	sul wtr
summary, summarize	sum
Summerville	Sumvl
Sunburst	Sb, Sunb
Sundance	Sund
Supai	Sup
superintendent	supt
superseded	supsd
supervisor	suprv
supplement	supp
supply (ied) (ier) (ing)	supl, sply
support	suppt
surface	surf, sfc
surface approximation and formation evaluation	SAFE
surface-controlled subsurface safety valve	SCSSV

surface flow pressure	SFP
surface geology	SG
surface measurement	SM
surface pressure	SP
surge	SRG
surplus	sur
survey	sur
suspended	susp
suspended ceiling	SUSP CLG
swab and flow	S&F
swab rate	SR
swab run (s)	SR
swabbed	S/
swabbed, swabbing	SWB
swabbing unit	SWU
swaged	swd
Swastika	Swas
sweetening	Swet
switch	SW
switchboard	PBX, swbd
switchgear	swgr
switchrack	SWRK
Sycamore	Syc
Sylvan	Syl
symbol	sym
symmetrical	sym
synchronous, synchronizing	syn
synchronous converter	syn conv
synchroscope	SYNSCP
synthesis	SYNTH
synthetic	syn
synthetic natural gas	SNG
system	sys
system flow diagram	SFD

**T**


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tabular, tabulating	tab
tachometer	TACH
tag closed cup (flash)	TCC
tag open cup (flash)	TOC
Tagliabue	Tag
Tallahatta	Tal
Tampico	Tamp
tangent	tan
tank	tk
tank battery	TKB
tank car	T/C
tank farm	TKF
tank truck	TT
tank wagon	TKW
tankage	tkg
tanker (s)	tkr
Tannehill	Tann
Tansill	Tan
taper pipe thread	TPT
Tar Springs sand	TSS
Tarkio	Tark
tarred and wrapped	T&W
taste	tste
Taylor	Tay
tearing out rotary tools	TORT
technical, technician	tech
techniques of water-resources investigations	TWI
tee	T
teeth	T
telegraph	TLG
Telegraph Creek	Tel Cr
teletype	TWX

television	TV
telephone, telegraph	tel
temperature	Temp
temperature control valve	TCV
temperature controller	TC
temperature differential indicator	TDI
temperature differential recorder	TDR
temperature gradient	TG
temperature indicator	TI
temperature indicator controller	TIC
temperature observation	TO
temperature recorder	TR
temperature recorder controller	TRC
temperature survey indicated top cement at	TSITC
temporarily abandoned	TA
temporarily shutdown	TSD
temporarily shut in	TSI
temporary (ily)	temp
temporary dealer allowance	TDA
temporary voluntary allowance	TVA
tender	tndr
tensile strength	tens str, TS
tension leg platform	TLP
Tensleep	Tens
tentaculites	Tent
tentative	tent
Teremplealeau	Tremp
terminal board	T/BRD
terminal box	T/Box
terminate (ed) (ing) (ion)	termin
tertiary	Ter
tertiary butyl alcohol	TBA
test (er) (ing)	tst (r) (g)
test to follow	TTF

testing on pump	TOP
tetraethyl lead	TEL
tetramethyl lead	TML
Texana	Tex
Textularia articulate	Text. art.
Textularia dibollensis	Text. d.
Textularia hockleyensis	Text. h.
Textularia warreni	Text. w.
texture	tex
Thaynes	Thay
thence	th
theoretical production and allocation	TP&A
thermal	thrm
thermal crack	therm ckr
thermal decay time	TDT
thermal hydrodealkylation	THD
thermoform catalytic cracking	TCC
thermometer	therm
Thermopolis	Ther
thermostat	therst
thick, thickness	thk
thin bedded	TB
thousand (i.e., 133K = 13,000)	K
thousand (i.e., 9M = 9,000)	M
thousand barrels fluid per day	MBF/D, MBFPD
thousand barrels of oil per day	MBO/D, MBOPD
thousand barrels of water per day	MPW/D, MBWPD
thousand British thermal units	MBtu
thousand cubic feet	MCF
thousand cubic feet of gas per day	MCFGPD, Mcfgpd
thousand cubic feet per day	MCFD, Mcfd
thousand electron-volts	kev
thousand gallons	MG
thousand standard cubic feet	MCSF, Mscf

thousand standard cubic feet per day	MSCF/D, Mscf/d
thousand standard cubic feet per hour	MSCF/H, Mscf/h
thread large end	TLE
thread on both ends	TOBE
thread small end	TSE
thread small end, weld large end	TSE-WLE
thread, threaded	thd
threaded and coupled	T&C
threaded both ends	TBE
threaded one end	TOE
threaded pipe flange	TPF
Three Finger	Tfing
Three Forks	Tfks
three-phase	3 PH
throttling	thrling
through	thru
through the tanks	TTT
through-tubing	TT
through-tubing caliber	TTC
through-tubing plug	TTP
Thurman	Thur
tight	ti, tite
tight hole	TH
tight no show	TNS
time delay	TD
Timpas	TIM
Timpoweap	Timpo
tires, batteries, and accessories	TBA
to be conditioned for gas	TRG
to be conditioned for oil	TRO
Todilto	Tod
tolerance	tol
toluene	tolu
ton (after number-3T)	T



tongue and groove (joint)	T&G
Tonkawa	Tonk
tons	tons
too small to measure	TSTM
too wet (weak) to measure	TWTM
tool (s)	tl
tool closed	TC
tool joint	tl jt
tool open	TO
tool pusher	TP
tooth, teeth	T
top and bottom	T&B
top and bottom chokes	T&BC
top choke	TC
top hole choke	THC
top hole flow pressure	THFP
top of (a formation)	T/
top of cement	TOC
top of cement plug	TOCP
top of fish	TOF
top of liner	TOL
top of liner hanger	TLH
top of pay	T/pay
top of salt	TOS
top of sand	T/sd
top salt	T/S
Topeka	Tpka
topo sheet evaluation	TS
topographic, topography	topo
topping	topg
topping and coking	T&C
Toronto	Tor
Toroweap	Toro
torque	TRQ

total	tot
total depth	TD
total time lost	TTL
totally enclosed, fan cooled	TEFC
tough	gh
Towanda	Tow
tower	TWR
township	twp
township (as T2N)	T
townsite	twst
trace	TR
trackage	trkg
tract	TR
Trans-Alaska Pipeline System	TAPS
transducer	TRNDC
transfer (ed) (ing)	trans
transformer	trans,
translucent	transl
transmission	trans
transmitter	XTMR
transparent	transp
transportation	transp
travel (ed) (ing)	TRVL
Travis Peak	TP
treat (er) (ed) (ing)	trt (r) (d) (g)
treater	trtr
treating pressure	TP
Trenton	Tren
Triassic	Tri
tricresyl phosphate	TCP
trillion	10 <sup>12</sup>
trillion cubic feet	Tcf, TCF
trillion cubic feet per day	TCF/D, Tcf/d
trilobite	trilo



Trinidad	Trin
trip for new bit	TFNB
trip in hole	TIH
trip out of hole	TOH
trip (ped) for bit	TFB
triple-pole single throw switch	3P ST SW
triple-pole switch	3P SW
triplicate	trip
Tripoli	Trip
tripolitic	trip
tripped (ing)	trip
truck	trk
true boiling point	TBP
true vapor process	TVP
true vertical depth	TVD
tube	tb
tube bundle	TB/BDL
tubing	tbg
tubing and casing cutter	TCC
tubing and rods	T&R
tubing choke	tbg chk, TC
tubing pressure	TP, tbg press
tubing pressure shut in	TPSI
tubing pressure, closed	TPC
tubing pressure, flowing	TPF
tubinghead flange	THF
Tucker	Tuck
tuffaceous	tfs, tuf
Tulip Creek	Tul Cr
tungsten carbide	tung carb
turbine compressor	T/C
turbo, turbine	TURB
turn around	TA
turned over to producing section	TOPS

turned to test tank	TTTT
turnpike	tpk
Tuscaloosa	Tus
12 gauge wire-wrapped screen (in a liner)	12GA W.W.S.
Twin Creek	Tw Cr
twisted off	twst off
type	ty
typewriter	tywr
typical	typ

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**U**

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ultimate	ult
ultra-high frequency	UHF
ultrasonic examination	UT
ultrasonic test	UST
ultraviolet	UV
umbrella (s)	UMB
Umiat Meridian (Alaska)	UM
unbalanced	UNBAL
unbranded	unbr
unclassified	U
unconformity	unconf
unconsolidated	uncons
under construction	U/C
under digging	UD
under gauge	UG
underreaming	UR
underground	UG
undifferential	undiff
unfinished	unf
unified coarse thread	UNC
unified fine thread	UNF

uniform	uni
uninterruptible power supply	UPS
Union Oil Company	UOCO
Union Valley	UV
unit	un
United States gauge	USG
universal gear lubricant	UGL
universal transverse mercator	UTM
university, universal	Univ
unloader	UNLDR
unloading	UNLD
unsulfonated residue	UR
upper (i.e., U/Simpson)	U/
upper and lower	U/L
upper casing	UC
upper tubing	UT
upthrown	UT
use customer's hose	UCH
used rod	UR
used with	U/W
utility	UTL
utility flow diagram	UFD
utility water	U/WTR
Uvigerina lirettensis	Uvig. lir.

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**V**

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vacant	vac
vacation	vac
vacuum	vac
Vaginuline regina	Vag. reg.
Valera	Val
valve	V, vlv
Vanguard	Vang

vapor pressure	VP
vapor recovery	VR
vapor recovery unit	VRU
vapor temperature	vt
vapor (izer)	vap (r)
vapor-liquid ratio	V/L
varas	vrs
variable, various	var
variegated	vari
varnish	VARN
varnish makers and painters naphtha	VM&P naphtha
varved	vrvd
velocity	vel
velocity survey	V/S, VS
vendor drawing	V/DWG
ventilator	vent
Verdigris	Verd
Vermillion Cliff	Ver Cl
versus	vs
vertebrate	vr <b>tb</b>
vertical	vert, vr <b>tl</b>
vertical support member	VSM
very (as very tight)	v.
very common	v.c.
very fine-grain (ed)	vfg
very heavily (highly) gas-cut mud	VHGCM
very heavily (highly) gas-cut salt water	VHGCSW
very heavily (highly) gas-cut water	VHGCW
very heavily (highly) oil- and gas-cut salt water	VHO&GCSW
very heavily (highly) oil- and gas-cut mud	VHO&GCM
very heavily (highly) oil- and gas-cut water	VHO&GCW
very heavily (highly) oil-cut mud	VHOCM
very heavily (highly) oil-cut salt water	VHOCSW
very heavily (highly) oil-cut water	VHOCW

very high frequency	VHF
very light amber cut	VLAC
very noticeable	v.n.
very poor sample	V.P.S.
very rare	v.r.
very slight	v-sli
very slight show of gas	VSSG
very slight show of oil	VSSO
very slightly gas-cut salt water	VSGCSW
very slightly gas-cut water	VSGCW
very slightly gas-cut mud	VSGCM
very slightly oil- and gas-cut mud	VSO&GCM
very slightly oil- and gas-cut salt water	VSO&GCSW
very slightly oil-cut mud	VSOCM
very slightly oil-cut salt water	VSOCSW
very slightly oil-cut water	VSOCW
very slightly porous	VSP
vesicular	ves
vessel	VESS
vibrate (tor) (ing)	VIB
Vicksburg	Vks
Viola	Vi
Virgelle	Virg
viscosity	vis, V
viscosity index	VI
viscosity-gravity constant	VGC
visible	vis
vitreous	vit
vitriified clay pipe	VCP
Vogtsberger	Vogts
volatile organic compounds	VOC
volt	V, v
Volt-ampere	va
volt-ampere reactive	var

voltage	VOLT
volume	V, vol
volume-percent	v%
volumetric efficiency	vol. eff.
volumetric subcommittee	VSC
vuggy	vug
vugular	vug

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**W**

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Wabaunsee	Wab
Waddell	Wad
waiting	wtg
waiting on	WO
waiting on acid	WOA
waiting on allowable	WOA
waiting on battery	WOB
waiting on cable tools or completion tools	WOCT
waiting on completion rig	WOCR
waiting on drillpipe	WODP
waiting on geologist	WOG
waiting on orders	WOO
waiting on permit	WOP
waiting on pipe	WOP
waiting on pipeline	WOPL
waiting on plastic	WOP
waiting on potential test	WOPT
waiting on production equipment	WOPE
waiting on pump	WOP
waiting on pumping unit	WOPU
waiting on rig or rotary	WOR
waiting on rotary tools	WORT
waiting on standard tools	WOST
waiting on state potential	WOSP



waiting on tank and connection	WOT&C
waiting on test or tools	WOT
waiting on weather	WOW
wall (if used with pipe)	W
Wall Creek	W Cr
wall thickness (pipe)	WT
Waltersburg sand	Wa sd
Wapanucka	Wap
warehouse	whse
Warsaw	War
Wasatch	Was
wash (ing)	wsh (g)
wash and ream	W&R
wash and ream to bottom	WRTBw
wash oil	WO
wash over	WO
wash pipe	WP
wash to bottom	WTB
wash water	WW
washed	w shd
washing in	Wl
Washita	Wash
Washita-Fredericksburg	W-F
washout	wo
washover string	WOS
waste	WSTw
water blanket	WB
water closet	WC
water cooler	W/CLR
water cushion (DST)	wtr. cush, WC
water cushion to surface	WCTS
water cut	WC
water depth	WD
water disposal well	WD

water in hole	WIH
water injection	WI
water injection well	WIW
water load	W/L
water loss	WL
water not shut off	WNSO
water oil or gas	WOG
water saturation	WS
water separation index modified	WSIM
water shutoff no good	WSONG
water shutoff OK	WSOOK
water shutoff	WSO
water source wells	WST
water supply well	WSW
water to surface	WTS
water well	WW
water with slight show of oil	W/SSO
water with sulfur odor	W/sulf O
water-alternating gas (or water and gas)	WAG
water-cut mud	WCM
water-cut oil	WCO
water-oil ratio	WOR
water-supply paper	WSP
water-up to	WUT
water, watery	wtr (y)
waterflood	WF
waterproof	WTR/PRF
watertight	WTR/T
wating on cement	WOC
watt	w
watt-hour	w-hr
weak	wk
weak air blow	WAB
weather	wthr

weather (ed)	wthrd
weatherproof	WTH/PRF
Weber	Web
week	wk
weight	wgt., wt
weight averaged catalyst temperature	WACT
weight on bit	W.O.B.
weight-percent	w%
Weighted Average Cost of Gas	WACOG
welded steel tank	W/S TK
weld ends	WE
weldneck	WN
welded, welding	wld
welder	wldr
welding detail (s)	WLD/DET
Welex	Wx
wellhead injection pressure	WHIP
well lines	WL
well pad	WP
well pad manifolding	WPM
wellbore	wlbr
wellhead	WH
Wellington	Well
went back in hole	WBIH
west	W
west half	W/2
west line	WL
west offset	W/O
westerly	W'ly
wet bulb	WB
wheel	WHL
whipstick	whip, WS
whipstock depth	WSD
white	wht

white dolomite	Wh Dol
White River	WR
white sand	Wh Sd
wholesale	whsle
Wichita	Wich.
Wichita Albany	Wich Alb
wide	W
wide flange	WF
Wilcox	Wx
wildcat	WC
wildcat field, discovery	WFD
wildcat outpost, dry	WO
Willberne	Willb
Wind River	Wd R
Windfall Profit Tax	WPT
Winfield	Winf
Wingate	Wing
Winnipeg	Winn
Winona	Win
wireline	WL
wireline coring	WLC
wireline test	WLT
wireline total depth	WLTD
wiring	WRG
wiring diagram	WD
with	w/
without	W/O
Wolfcamp	Wolfc
Wolfe City	WC
Woodbine	WB
Woodford	Wdfd, Woodf
Woodside	Wood
work in place	WIP
work order	WO

worked	wkd
working	wkg
working interest	WI
working pressure	WP
workover	WO, wko
workover rig	wkor
worldscale	WS
wrapper	wpr
Wreford	Wref
wrought iron	WI

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**X**

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X-ray	X-R
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**Y**

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yard (s)	yd
Yates	y
Yazoo	Yz
year	yr
yellow	yel
yellow indicating lamp	YIL
yield point	YP
Yoakum	Yoak
your message of date	YMD
your message yesterdays	YMY

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**Z**

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zenith	zen
Zilpha	Zil
zinc	ZN
zone	Zn

## **Abbreviations for Logging Tools and Services**

The appropriate companies and associations have not established standard abbreviations for the logging segment of the oil and gas industry. The following lists by individual companies are supplemented by a Miscellaneous Section, for your convenience.

### **Baker Atlas Wireline Services**

Acoustilog	AC
Acoustilog Caliper Gamma Ray	AC/CAL GR
Acoustilog Caliper Neutron	AC/CAL NEU
Acoustilog Caliper Gamma Ray Neutron	AC/CAL GR/NEU
Acoustic Cement Bond	CBL
Acoustic Cement Bond Gamma Ray	CBL/GR
Acoustic Cement Bond Neutron	CBL/NEU
Acoustic Cement Bond G/R Neutron	CBL/GR/NEU
Acoustic Signature	AC SIGN
BHC Acoustilog Caliper	AC/CAL
BHC Acoustilog Caliper Gamma Ray	AC/CAL/GR
BHC Acoustilog Caliper Neutron	AC/NUE
BHC Acoustilog Caliper G/R Neutron	AC/CAL/GR/NEU
BHC Acoustilog Caliper (Thru Casing)	AC/CAL
BHC Acoustilog Caliper Gamma Ray (Thru Casing)	AC/CAL/GR
BHC Acoustilog Caliper G/R Neutron (Thru Casing)	AC/CAL/GR/NEU
Caliper	CAL
Casing Potential Profile	CPP



Chlorinlog	CHL
Chlorinlog-Gamma Ray	CHL GR
Compensated Densilog Caliper	CDL/CAL
Compensated Densilog Caliper Gamma Ray	CDL/CAL/GR
Compensated Densilog Caliper Neutron	CDL/CAL/NEU
Compensated Densilog Caliper G/R Neutron	CDL/CAL/GR/NEU
Compensated Densilog Caliper Minilog	CDL/CAL/ML
Conductivity Derived Porosity	CDP
Compensated Z-Densilog	CZDL
Corgun	SWC
Densilog Caliber Gamma Ray Log	CDL/CAL/GR
Depth Determination	DD
Directional Survey	DIR
Dual Induction Focused Log	DIFL
Dual Induction Focused Log Gamma Ray	DIFL/GR
Electrolog	EL
Formation Tester	FMT
4 Arm High Resolution Diplog	DIP
Frac Log	DIP FRAC
Frac Log-Gamma Ray	DIP FRAC/GR
Gamma Ray Cased Hole	GR
Gamma Ray/Dual Caliper	GR/CALD
Gamma Ray-Open Hole	GR
Gamma Ray Neutron-Cased Hole	GR/NEU
Gamma Ray Neutron-Open Hole	GR/NEU
Induction Electrolog	IEL
Induction Electrolog Gamma Ray	IEL/GR
Induction Electrolog Neutron	IEL/NEU
Induction Electrolog Gamma Ray Neutron	IEL/GR/NEU
Induction Log	IEL
Induction Log-Gamma Ray	IEL/GR
Induction Log-Neutron	IEL/NEU
Laterolog	LL
Laterolog-Gamma Ray	LL/GR

Laterolog-Neutron	LL/NEU
Laterolog-Gamma Ray-Neutron	LL/GR/NEU
Microlaterolog-Caliper	MLL/CAL
Minilog Caliper	ML/CAL
Minilog Caliper Gamma Ray	ML/CAL/GR
Moveable Oil Pot	MOP
Neutron (Cased Hole)	NEU
Neutron (Open Hole)	NEU
Neutron Lifetime	NLL
Neutron Lifetime Gamma Ray	NLL/GR
Neutron Lifetime Neutron	NLL/NEU
Neutron Lifetime G/R-Neutron	NLL/GR/NEU
Nuclear Flolog	NFL
Nuclear Flolog-Gamma Ray	NFL/GR
Nuclear Flolog-Gamma Ray Neutron	NFL/GR/NEU
Nuclear Flolog-Neutron	NFL/NEU
Perforating Control	PFC
PFC Gamma Ray	PFC GR
PFC Neutron	PRC NEU
Photon	PHT
Proximity Minilog	PROX/ML
Segmented Bond Log	SBT
Sidewall Neutron	SWN
Sidewall Neutron-Gamma Ray	SWN/GR
Temperature Differential	TEMP
Temperature-Gamma Ray-Neutron	TEMP/GR/NEU
Temperature Log	TL TEMP
Temperature Log-Gamma Ray	TEMP/GR
Temperature-Neutron	TEMP/NEU
Total Time Integrator	TT
Tracer Log	TRL
Tracer Log-Neutron	TRL/NEU

## **Schlumberger Well Services**

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Amplitude Logging	A-BHC
Bore Hole Compensated	BHC
BHC sonic Logging	BHC
BHC Sonic-Gamma Ray Logging	BHC-GR
BHC Sonic-Variable Density	BHC-VD
Bridge Plug Service	BP
Borehole Televiwer	TVT
Caliper Logging	CAL
Casing Cutter Service	SCE-CC
Cement Bond Logging	CBL
Cement Bond-Gamma Ray Logging	CBL-GR
Cement Bond-Gamma Ray Neutron	CBL-GRN
Cement Bond-Neutron	CBL-N
Cement Bond-Variable Density Logging	CBL-VD
Cement Dump Bailer Service	DB
Computer Processed Interpretation	MCT
Continuous Directional Survey	CDR
Continuous Flowmeter	CFM, PFM
Customer Instrument Service	ICS
Data Transmission	TRD
Density Log	DENL
Depth Determinations	DD
Diamond Core Slicer	SS
Dipmeter	DIPM
Dipmeter-Digital	HDT-D
Directional Survey	DS
Dual Induction-Laterologging	DIL
Electric Logging	ES
Formation Density Logging	FDC
Formation Density-Gamma Ray Logging	FDC-GR

Formation Testing	FT
Gamma Ray Logging	GR
Gamma Ray-Neutron Logging	GRN
Gamma Ray-Sonic Logging	GRS
Gradiomanometer	GM
High-Resolution Thermometer	HRT
Induction-Electron Logging	I-ES
Induction-Gamma Ray Logging	I-GR
Junk Catcher	JB
Log Overlays	OL
Magnetic Taping	TPG
Microlog	ML
Neutron Logging	NL
Orienting Perforating Service	OPR
Perforating-Ceramic DPC	SCE
Perforating-Depth Control	PDC
Perforating-Expendable Shaped Charge	SCE
Perforating-Hyper Jet	SCH
Perforating-Hyper Scallop	SPH
Pressure Control	PC
Production Combination Tool Logging	PCT
Production Packer Service	PPS
Proximity-Microlog	ML
Radioactive Tracer logging	RTP
Rwa Logging	FAL
Salt Dome Profiling	ES-ULS
Schlumberger	Schl.
Seismic Reference Service	SRS
Sidewall Coring	CST
SNP Neutron Logging	SNP
SNP Neutron-Gamma Ray Logging	SNP-GR
Synergetic Log Systems	MCT
Temperature Logging	T
Temperature-Gamma Ray Logging	T-GR



Thermal Decay Logging	TDT
Thru-Tubing Caliper	C-C
Tubing, Cutter Service	SEC-CC
Variable Density Logging	BHC-VD
Variable Density-Gamma Ray Logging	VD-GR

## **Halliburton Log Service (HAL)**

Analog Computer Service	An Cpt. Ser
Caliper	Cal
Compensated Acoustic Velocity Log	Com AVL
Compensated Acoustic Velocity Log-Gamma Ray	Com AVL-G
Compensated Acoustic Velocity Log-Neutron	Com AVL-N
Compensated Density	Com Den
Compensated Density Gamma Ray	Com Den-GR
Computer Analyzed Log	CAL
Contact Caliper	Cont
Continuous Drift	Con Dr.
Density	Den
Density Gamma Ray	Den-G
Depth Setermination	DeDet
Digital Tape Recording	Dgt Tp Rec
Dip Log Digital Log	Dgt Dip Rec
Drift	Dr
Drill Pipe Electric Log	DPL
Electric Log	EL
Electro-Magnetic Corrosion Detector	Cor Det
Fluid Travel Log	FTrL
Formation Tester	FT
FoRxo Caliper	FoRxo
Frac-Finder Micro-Seismogram	FF-MSG
Frac-Finder Micro-Seismogram Gamma	FF-MSG-G
Frac-Finder Micro-Seismogram Neutron	FF-MSG-N
Gamma Guard	G-Grd
Gamma Ray	GR
Gamma Ray Depth Control	GRDC
Guard	Grd
High Temperature Equipment	HETq



Induction Electric Gamma Ray	IEL-G
Induction Electric Neutron	IEL-N
Induction Electric	IEL
Induction Gamma Ray	Ind-G
Induction Gamma	Ind-G
Micro-Seismogram Log, Cased Hole	MSG-CBL
Micro-Seismogram Gamma Collar Log, Cased	MSG-CBL-G
Micro-Seismogram Neutron Collar Log, Cased	MSG-CBL-N
Neutron Log	NL
Neutron Depth Control	NDC
Precision Temperature	Pr Temp
Radiation Guard	R/A Grd
Radioactive Tracer	R/A Tra
Resistivity Dip	Dip
Sidewall Coring	SWC
Sidewall Neutron	SWN
Sidewall Neutron-Gamma Ray	SWN-G
Simultaneous Gamma Ray-Neutron	GRN
Special Instrument Service	Sp Inst Ser
True Vertical Depth	TVD

## **Log Heading Nomenclature**

<b>Name</b>	<b>Abbrev.</b>	<b>Tool Type</b>
Acoustic Caliber Log	ACE	
Aluminum Clay Log		ACT
Adaptive Electromagnetic Propagation Log	ADEPT	EPT-G
Array Sonic Log		SDT
Automatic Diverter Flowmeter	ADF	ADF
Auxiliary Measurements Log	AMS	AMS
Borehole Compensated Sonic Log	BHC	SLT
Borehole Geometry Log	BGL	BGT
Bridge Plus	BP	RST
Casing Collar Log	CCL	CAL, CCL
Cement Bond-Variable Density Log	CBL-VDL	SLT, SDT, CBT
Cement Evaluation Log	CET	CET
Compensated Neutron Log	CNL	CNT-A/H
Corrosion And Protection Evaluation Log	CPEL, CPET	CPET
Cyberdip	CYDIP	
Cyberlock	CYL	
Cyberscan	CYTDT	
Deep Propagation Log	DPL	DPL
Depth Determination Log	DD	
Downhole Seismic Array	DSA	DSA-A
Dual Dipmeter	SHDT	SHDT
Dual-Burst Thermal Neutron Log	TDT-P	TDT-P
Dual-Energy Neutron Log	DNL	CNT-G
Dual Induction SFL Log	DIL	DIT
Dual Laterolog	DLL	DLT
Dump Bailer	DB	DB
Electromagnetic Propagation Time Log	EPT	EPT



Electromagnetic Thickness Log	ETT	ETT-A
Enerjet Perforating	EEJ	EEJ
Formation Density	FDC	PGT
Formation Microscanner	FMS	MEST
Formation Microimager	FMI	FMI
Four-Arm Caliber Log	CAL	BGT, HDT, SHDT
Fracture Identification Log	FIL	HDT
Gamma Ray Log	GR	SGT
Gamma Ray Spectroscopy Log	GST	GST
Geochemical Log	GLT	GST, NGT, CNT, ACT
Guidance Continuous Log	GCT	GCT
Hyperdome Perforating	HD	HD
Hyperjet Perforating	HJ, HJII, HJIII	HJ, HJII, HJIII
H2S Cable	HS CBL	
Induction-Spherically Focused Log	ISF	IRT, DIT
Inclinometer Survey, Directional	IS	GPIT, SHDT, FMS, PMI, HDT
Junk Basket	JB	JB
Litho-Density Log	LDL	LDT
Litho-Density Quicklook	CYLDT	
Long-Spacing Sonic Log	LSS	SLT, SDT
Mechanical Sidewalk Coring or Rotary Cores	MSCT	MSCT
Microlog	ML	MPT, MLT, PCD
Microlaterolog	MLL	MPT
Microlaterolog Focused Log	MSFL	SRT
Multifinger Caliper Log	MFC	MFCT
Multifrequency Electromagnetic Thickness Log	METL	ETT-D
Multiple Isotope Tracer	MTT	
Natural Gamma Ray Spectroscopy Log	NGS	NGS

Oil Base Mud Dipmeter	OBDT	OBDT
Perforation Depth Control Log	PDC	CAL, CCL
Phasor Induction Log	PIL	DIT-E
Pipe Analysis Log	PAL	PAT
Pivotgun	PG	PG
Posiset Thru-Tubing Mechanical Plug-Back	MPBT	
Pressure Control	PC	PC
Production Logging Quicklook	CYPL	
Repeat Formation Tester Log	RFT	RFT
Repeat Formation Tester Quicklook	CYRFT, RFQL	
Reservoir Saturation Tool	RST	
Seismic Quicklook	CYWST	
Sidewall Coring	CST	CST
Simultaneous Production Log	PLT	PLT
Stratigraphic High-Resolution Dipmeter Log	SHDT	SHDT
Temperature Log	HRT	HTT
Thermal Neutron Decay Time Long	TDT	TDT
Triaxial Seismic Survey	SAS	SAT
Ultrajet Perforating	UJ	UJ
Ultrapack Perforating	UP	UP
Well Head Equipment (Pressure Control)	WHE-A,B, C,D,H,BM	
Well Seismic Survey	WST	WST

## Miscellaneous

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Acoustic Amplitude	AAL
Acoustic Cement Bond G/R Neutron	CBL GRN
Acoustic Cement Bond Neutron	CBL N
Acoustic Cement Bond	CBL
Acoustic Fracture Identification	AFI
Acoustic or Acoustilog	SL
Acoustic Parameter	ACP
Acoustic Parameter-Depth	AC PAR D
Acoustic Parameter-Logging	AC PAR L
Acoustic Parameter-16mm Scope	AC PAR 16
Acoustic Scope Picture	ASL
Acoustic Signature	AC SIGN
Acoustic Velocity	AVL
Acoustilog	ALC
Acoustilog Caliper-Gamma Ray	ALC-GR
Acoustilog Caliper-Gamma Ray-Neutron	ALC-GRN
Acoustilog Caliper-Neutron	ALC-N
After Pay Out	APO
Amplitude	AMP
Amplitude Sonic	ASL
Area of Mutual Interest	AMI
Atlantic Chlorinlog	A CHL
Audio Logging	AUD
BHC Acoustilog Caliper	BHC ALC
BHC Acoustilog Caliper (Thru Casing)	BHC AL TC
BHC Acoustilog Caliper G/R Neutron	BHC ALC GRN
BHC Acoustilog Caliper G/R Neutron (Thru Casing)	BHC AL GRN TC
BHC Acoustilog Caliper Gamma Ray	BHC ALC GR
BHC Acoustilog Caliper Neutron	BHC ALC N

Barrel	BBL
Before Pay Out	BPO
Borehole Audio Tracer Survey	BATS
Borehole Compensated	BHC
Borehole Compensated Sonic	BHCS
Borehole Geometry Log	BGT
Borehole Televiwer	BTL
Bottom Hole Contribution	BHC
Bulk Density	BLKD
Caliper	CALP, CL
Caliper Analysis	CALA
Caliper Curve	CALC
Carbon-Oxygen	C O
Casing Collar	CCL
Casing Inspection/Electro-Magnetic-Detector	CI
Casing Potential Profile	CPP
Cement Bond	CBND
Cement Evaluation	CEL
Cement Top Location	CTL
Cemotop	CTL
Channel Survey	CHNL
Channelmaster	CML
Channelmaster-Neutron	CML N
Chloride	CL
Chloride Detection	CLDL
Chlorinlog-Gamma Ray	CHL GR
Collar/Collar Correlation	PDS
Compensated Acoustic Velocity	CAVL
Compensated Densilog Caliper	CDCL
Compensated Densilog Caliper G/R Neutron	CDLC GRN
Compensated Densilog Caliper Gamma Ray	CDCL GR
Compensated Densilog Caliper Minilog	CDLC M
Compensated Densilog Caliper Neutron	CDLC N
Compensated Density Caliper	CDC



Compensated Density Log	CDL
Compensated Formation Density	CFD
Compensated Formation Density Caliper	CFDC
Compensated Gamma	CG
Compensated Neutron Density	CNDL
Compensated Neutron Log	CNL
Compensated Neutron Log Porosity	CNLP
Dual Induction Gamma Log	DIGL
Dual Induction Lateral/Dual Induction Focus	DILL
Dual Induction Dual Induction Log	DIL
Dual Induction SFL	DIL
Dual Induction Spherically Focused	DISF
Dual Laterolog/Microspherically Focused	DLL/MSFL
Dual Laterolog	DLL
Dual Porosity Compensated Neutron	DNL
Dual Resistivity Induction Log	DRI
Dual Sand	DUSD
Dual Spacing Log	DSL
Electrical	ES
Electrolog	EL
Electromagnetic Propagation	EPT
Epithermal Neutron	ETN
Experimental	E, XPTL
Farm In	FI
Farm Out	FO
Flowmeter	FLO
Fluid Travel	FLO
Fluid Travel Log/Fluid Entry Survey	FLTR
Focus	FOCL
Focused Diplog	F DIP
Formation Analysis	FAL
Formation Density	FD
Formation Density Caliper	FDC
Formation Factor	FMF

Formation Tester	FT
Forxo	MLL
Four Dimensional	4D
4 Arm High Resolution Diplog	R H DIP
Frac Log	FRAC L
Frac Log-Gamma Ray Log	FRAC-GR
Fracture Finder	ASL
Fracture Finder/Failure ID	FF
Fracture Identification Log	FIL
Full Bore Flowmeter	FB FM
Gamma Compensated Density	GCD
Gamma Gamma	GG
Gamma Gamma Density	GGD
Gamma Gamma Log	GGL
Gamma Guard	GCRD
Gamma Guard EL	GGRD
Gamma Ray	GR
Gamma Ray—Multi-Spaced Neutron Log	CR-MSN
Gamma Ray—Neutron	GRNL
Gamma Ray—Neutron Log	GR-N
Gamma Ray—Sonic	GRSL
Gamma Ray—Tracer Survey	GRTS
Gamma Ray Cased Hole	GR CH
Gamma Ray Depth Control	GRDC
Gamma Ray Neutron	GRN
Gamma Ray Neutron-Cased Hold	GRN CH
Gamma Ray Neutron-Open Hole	GR/N OH
Gamma Ray-Open Hole	G/R OH
Gamma Ray/Dual Caliper	GR/D CALIPER
Gamma Spectrometry	GST
Gas Detection	GASD
Gas Purchase Agreement	GPA
Geophone	GEO
Gradiomanometer	GRMR



Gravity	GRAV
Guard	GRDL
Gyro Survey	GYRO
Held by Production	HBP
High Resolution Dipmeter	HRD
Hydrocarbon or Gas Detection	GT
Hydrocarbon or Gas Detection	HCDS
Inclination	INCL
Induction	IL
Induction-Electric Log	I-EL
Induction-Lateral	ILL
Induction-Laterolog	I-LL
Induction Electrolog	IEL
Induction Electrolog-Gamma Ray	IEL-GR
Induction Electrolog-Gamma Ray Neutron	IEL-GRN
Induction Electrolog-Neutron	IEL-N
Induction Spherically Focused	ISF
Induction-Electric or Induction-Electro	IES
Isotron	I, ISOL
Joint Operating Agreement	JOA
Joint Venture Agreement	JVA
Joint Venture Drilling	JVD
Land Owner Royalty	LOR
Laser Log	LASR
Lateral	LATL
Laterlog-Gamma Ray-Neutron Log	LL GR-N
Lifetime Log	LL
Limestone Log	LSL
Limestone Device	LI
Liquid Isotope Injector	LII
Liquefied Natural Gas	LNG
Liquefied Petroleum Gas	LPG
Litho-Density	LDT
Lithology	LITH

Logger's Total Depth	LTD
Long-Spaced Sonic	LSS
Lost Circulation	LS
Manometer	MAN
Measurement for Natural Gas	MCF
Microlog	ML, MICL
Microlateral	MLAT
Microseismogram	MSMG
Microsonic Gamma Ray	MSG
Microspherically Focused Log	MSFL
Microsurvey	MS, MICS
Mini	ML, MINL
Minifocus	MLL, MINF
Mobile Picture	MP
Mono Electric	MONO
Mud Log/Focus Log	MUD
Multi-Shot Survey	MSS
Natural Gamma Ray Spectroscopy	NGS
Net Revenue Interest	NRI
Neutron	N, NEUT
Neutron Collar Log	NCL
Neutron Formation Density	NFD
Neutron Lifetime	NLL
Notice of Acquisition	NOA
Nuclear	NUCR
Nuclear Flow	FLO
Nuclear Magnetism	NML, NMAGL
Overriding Royalty	ORR
Overriding Royalty Interest	ORI
Perforated Log	PERF
Perforated Depth Control	PDC
Perforating Formation Collar	PFC
Permalog	PL
Permeability Spinner Survey	PSS, PRMS



Photo	PHOT
Photoclinometer	PHCL
Pipe Analysis Log	PAL
Pipe Recovery Log	PRL
Porosity	POR
Proximity	PROX
Proximity Log	PROXL
Proximity-Microlog	PML
Quitclaim	QC
Radioactive Tracer	RAT, RTRS
Refracture	"REFR
Repeat Formation Tester	RFT
Resistivity	RES
Resistivity Water Apparent	RWA
Right of Way	ROW
Salinity	CL
Saraband	"SBND
Scattered Gamma Ray	CTL
Scope Picture Analysis	SPA
Section Gauge	CAL
Seismic Reference Survey/ Neutron	SRSN
Seismic Velocity Survey	SVS
Shear Amplitude	SA
Sidewall Frac Log	SFL
Sidewall Neutron	SN
Sidewall Neutron Porosity	SNP
Sidewall Sampler	CST
Sonic Caliper Log	SCL
Sonic Log	SL, SONL
Sonic Seismogram	SSMG
Spectral	SPCT
Spherical	SPH
Spontaneous Potential	SP

Strata	STRTS-tractual Exploration
Structural Exploration	SE
Synergetic	SYGT
Televiwer	TV
Temperature	HRT
Temperature Difference Log	TDL
Temperature Survey Log	TMPL
Thermal Decay Time	TDT
Three Dimensional	3D
Time Log	TIME
Tracer Survey	TRCR
Two Dimensional	2D
Ultralong Spacing Electric Log	ULSEL
Uranium	URAN
Variable Density	VD
Velocity	VEL
Velocity Seismic Profile	VSP
Velocity Survey	VRS
Velocity Survey Profile	VSP
Viscosity	VISC
Water Location Survey	WLS
Wave Form Digitizing	BHC-WFD
Wave Form Logging	BHC-WFL
Well Seismic	WST
Working Interest	WI
X-Y Caliper	XYCL

## **Federal Environmental Acronyms**

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Compliments of BNA Plus

AHERA	Asbestos Hazard Emergency Response Act of 1986 (Title II of TSCA)
ANSI	American National Standards Institute
ATSDR	Agency for Toxic Substances and Disease Registry
AWT	Advanced Wastewater Treatment
BACT	Best Available Control Technology
BAT	Best Available Technology
BCT	Best Conventional Pollutant Control Technology
BOD	Biologic Oxygen Demand
BPT	Best Practicable Control Technology
BTU	British Thermal Unit
CAA	Clean Air Act
CAIR	Comprehensive Assessment Information Rule (under TSCA)
CAS	Chemical Abstract Service
CEPP	Chemical Emergency Preparedness Program
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (The Superfund Law)
CFR	Code of Federal Regulations
CPSC	Consumer Product Safety Commission
CWA	Clean Water Act
CZM	Coastal Zone Management
DOT-E	Designation Of Material Exempt from Department of Transportation regulations
EP	Extraction Procedure
EPA	Environmental Protection Agency

EPCRA	Emergency Planning and Community Right-To-Know Act (Title III of SARA, commonly called Right-To-Know or SARA Title III)
ERC	Emissions Reduction Credit
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
HCS	OSHA Hazard Communication Standard (Worker Right-To-Know)
HMTA	Hazardous Materials Transportation Act
HSWA	Hazardous and solid Waste Amendments (1984 RCRA Amendments)
IARC	International Agency for Research on Cancer
ITC	Interagency Testing Committee
LAER	Lowest Achievable Emission Rate
LUST	Leaking Underground Storage Tanks
MSDS	Material Safety Data Sheet
MTB	Material Transportation Bureau of the Department of Transportation
NESHAP	National Emission Standard for Hazardous Air Pollutants
NIOSH	National Institute for Occupational Safety and Health
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NPRM	Notice Proposed Rulemaking
NRC	Nuclear Regulatory Commission or National Response Center
NSPS	New Source Performance Standards
NTP	National Toxicology Program
ORM	Other Regulated Materials
OSHA	Occupational Safety and Health Administration
OSHRC	Occupational Safety and Health Review Commission
OTA	Office of Technology Assessment
PEL	Permissible Exposure Limit
pH	Potential of Hydrogen: a measure of acidity and alkalinity



PM	10-micron Particulate Matter
PMN	Premanufacture Notification (under TSCA)
POTWs	Publicity Owned Treatment Works
PRPs	Potentially Responsible Parties
PSD	Prevention Significant Deterioration
psia	Pounds per Square Inch Absolute
RACT	Reasonable Available Control Technology
RCRA	Resource Conservation and Recovery Act
RQ	Reportable Quantity
RSPA	Research and Special Programs Administration of the Department of Transportation
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments and Reauthorization Act of 1987
SDWA	Safe Drinking Water Act
SIP	State Implementation Plan
SNUR	Significant New Use Rule
SOCMI	Synthetic Organic Chemical Industry
SPCC PLAN	Spill Prevention Control and Countermeasure Plan
SQG	Small Quantity Generation (of Hazardous waste)
SRF	State-administered water pollution control Revolving Funds
SWDA	Solid Waste Disposal Act
TSCA	Toxic Substances Control Act
TSS	Total Suspended Solids (non-filterable)
UIC	Underground Injection Control
UN	United Nations
UPAC	International Union Of Pure and Applied Chemistry
USDW	Underground Source of Drinking Water
UST	Underground Storage Tank
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compound
Z list	OSHA list of hazardous chemicals (29 CFR 1910 Subpart Z, Worker Right-To-Know)

## **Pipe Coating Terminology and Definitions**

anode	Corrosion prevention device
C.P.	Cathodic protection or Corrosion Protection
dope	Pipe coating
dresser	Mechanical coupling used to join joints or lengths or pipe rather than threading or welding
FB	Flat-bottom mill or shoes
granny rag	Type of coating or method of coating a pipeline in the field rather than factory applied coating
holiday	Hole in the protective coating of a steel pipeline in the field
hot spot	Corrosive area located along the length of a pipeline; usually a wet bog, marsh, or bentonite area
I.P.	Intermediate pressure pipeline
IWRC	Independent wire rope center
jeep	Same as Holiday
jeeper	Electronic device or instrument used to detect holes (holidays) in the steel pipeline protective coating
overbend	High spot in a pipeline usually installed by field-bending a pipeline joint
P/C or P/W	“Painted and coated” or “painted and wrapped” pipelines—steel pipe with protective external coating of one of several different types
pig	Pipeline cleaning and measuring tool
pit catcher	Used to remove pipeline pig
pig launcher	Used to insert pipeline pig
stub	Length of small-diameter distribution pipeline from the main line to the customer’s property or meter location

thin film	Type of epoxy coating for pipeline coating rather than threading or welding
tube turn	Prefabricated piece of pipeline (allows change of direction of a pipeline without field bending the pipeline)
sag	Low spot in a pipeline usually installed by field bending a pipeline joint
WB	Wavy bottom mill or shoes
wrap	Same as dope; protective coating on a steel pipeline
XTC	Extra-coat protective pipeline coating made of polyethylene or polypropylene material

## Mnemonics Service Names

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Service Mnemonic	Service
2CAL	2-Arm Caliper Log
2CEX	2-Arm Caliper Log (Extended Reach)
3CAL	3-Arm Caliper Log
4CAL	4-Arm Caliper Log
4CEX	4-Arm Caliper Log (Extended Reach)
AC	BHC Acoustilog
ACL	Long-Spaced BHC Acoustilog
BAL	Bound Attenuation Log
BHJ	Bottom-Hole Junk Shot
BO	String Shot—Back Off
BO1	Tubing
BO2	Drill Pipe, Wash Pipe, Casing, Liners
BO3	Drill Collars
BP	Bridge Plug
CAC	Circumferential Acoustilog
CBIL	Circumferential Borehole Imaging Log
CBL	Acoustic Cement Bond Log
CC	Chemical Cutters
CC1	1-2-1/16-in. (25–52mm) Pipe
CC2	2-3/8-4-in. (60–102mm) Pipe
CC3	4-1/4-5-9-/16 in. (108–141 mm) Pipe
CCL	Casing Collar Locator
CDL	Compensated Densilog
CHFT	Cased Hole Formation Tester
CIS	Customer Instrument Service
CN	Compensated Neutron Log
CPP	Casing Potential Profile



CRET	Cement Retainer
CST	Customer Steering Tool
DAC	Digital Array Acousticlog sm
DB	Dump Bailer
DD	Depth Determination
DEL2	Dielectric Log—200 MHz
DEL4	Dielectric Log—47 MHz
DGR	Digital Gamma Ray Log
DIEL	Dielectric Log
DIFL	Dual Induction-Focused Log
DIP	Dual Induction-Focused Log High Resolution (4-Arm) Diplog®
DLL	Dual Laterolog
DMAG	Digital Magnelog
DMGL	Digital Magneline
DPIL	Dual Phase Induction Log
DRB	Dual Receiver Bond Log
DSL	Digital Spectralog
DVL1	Digital Vertiline 4-1/2 in. (114 mm)
DVL2	Digital Vertiline 5-1/2 in. (140 mm)
DVL3	Digital Vertiline 7 in. (178 mm)
DVL4	Digital Vertiline 8-5/8 8 in. (219 mm)
DVRT	Digital Vertilog
DVT1	Digital Vertilog 4-1/2 in (114 mm)
DVT2	Digital Vertilog 5-1/2 in. (140 mm)
DVT3	Digital Vertilog 7 in. (178 mm)
DVT4	Digital Vertilog 8-5/8 8 on. (219 mm)
DVTL	Digital Vertiline
DWP	Downhole Wireline Packoff
EMO	Electromagnetic Orientation Tool
EMT	Electromagnetic Fishing Tool
FCON	Fluid Conductivity Log
FDBM	Buoyancy Measurement Fluid Density Log
FDDP	Differential Pressure Fluid Density Log

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FDN	Nuclear Fluid Density Log
FG	Feeler Gauge
FMBK	Basket Flowmeter
FMCS	Continuous Spinner Flowmeter
FMFI	Folding Impeller Flowmeter
FMT	Formation Multi-Tester
FPM	Magnetic Freepoint Indicator
FPMT	Magna-Tector® Freepoint Indicator
FPST	Spring-Tector™ Freepoint Indicator
FPTM	Tri-Mag Freepoint Indicator
FQPG	Fast Response Quartz Pressure Gauge
GR	Gamma Ray
GUN	Guns
HCS	Hydraulic Cleanout Service
HDIP	Hexdip
HYDL	Hydrologs
IEL	Induction Electrolog
JCGR	Junk Catcher Gauge Log
JCS	Jet Cutters
JCS1	Jet Cutters 1-2-7/8-in (25–73 mm) Pipe
JCS2	Jet Cutters 3-5-1/2-in (76–140 mm) Pipe
JCS3	Jet Cutters 6-7-5/8-in (152–194 mm) Pipe
LL3	Laterolog
MAG	Magnelog
MFC	Multi-Finger Caliper
MGLN	Magneline
ML	Minilog®
MLL	Micro Laterolog
MSI	MSI Carbon / Oxygen Log
MST	Metal Severing Tool
MVL1	Multi-Channel Vertiline 4-1/2 in. (114 mm)
MVL2	Multi-Channel Vertiline 5-1/2 in. (140 mm)
MVL3	Multi-Channel Vertiline 7 in. (178 mm)
MVL4	Multi-Channel Vertiline 8-5/8 in. (219 mm)



MVRT	Multi-Channel Vertilog
MVT1	Multi-Channel Vertilog 4-1/2 in. (114 mm)
MVT2	Multi-Channel Vertilog 5-1/2 in. (140 mm)
MVT3	Multi-Channel Vertilog 7 in. (178 mm)
MVT4	Multi-Channel Vertilog 8-5/8 in. (219 mm)
MVTL	Multi-Channel Vertiline
NEU	Neutron Log
NFL	Nuclear Flolog
ORIT	Instrument Orientation Log
PDB	Positive Displacement Dump Bailer
PDK	PDK-100® Log
PFC	PFC Gamma Ray Log
PFN	PFC Neutron Log
PHT	Photon Log
POL	Perforating Orientation Log
PPKR	Production Packer
PPL	Polymer Pathfinder Log
PRL	Pipe Recovery Log
PROX	Proximity Log
PRSM	PRISM® Log
RCOR	Rotary Coring Tool
QPG	Quartz Pressure Gauge
SB	Sinker Bar
SBT	Segmented Bond Tool
SL	Spectralog®
SON	Sonan Log
SPG	Strain Pressure Gauge
SRB	Single Receiver Bond Log
SRPL	Surface Recorded Pressure Log
SSH	Surface Shot
ST	FMT Break Off (PVT) Sample Tanks
STHS	FMT Break Off (PVT) Sample Tanks (H <sub>2</sub> S)
SWAT	Swing-Arm Tracer Log
SWC	Sidewall Corgun

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SWN	Sidewall Epithermal Neutron Log
TBFS	Through-Tubing Borehole Fluid Sampler
TBRT	Thin-Bed Resistivity
TCAL	Through-Tubing (X-Y) Caliper Log
TEMP	Differential Temperature Log
TFLR	TTRM Sub Fluid Resistivity
TRL	Tracerlog
TTBP	Through-Tubing Bridge Plug
TTEM	TTRM Sub Temperature
TTEN	TTRM Sub Tension
TTRM	TTRM Sub
UDIP	Ultrasonic Diplog
VIBR	Vibrator
VL1	Vertiline 3-1/2 in. (89 mm), 4-1/2 in. (114 mm)
VL2	Vertiline 5-1/2 in. (140 mm)
VL3	Vertiline 7 in. (178 mm)
VL4	Vertiline 8-5/8 in. (219 mm)
VPC	Formation Multi-Tester
VRT	Vertilog <sup>®</sup>
VRT1	Vertilog 3-1/2 in. (89 mm), 4-1/2 in. (114 mm)
VRT2	Vertilog 5-1/2 in. (140 mm)
VRT3	Vertilog 7 in. (178 mm)
VRT4	Vertilog 8-5/8 in. (219 mm)
VTLN	Vertiline
WHI	Water Holdup Indicator
ZDL	Compensated Z-Densilog <sup>SM</sup>

## **Computational Products**

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### **Product Mnemonic Computational Service**

#### **Open Hole Analysis**

##### HORIZON

HCE	Category Estimation
HME	Magnitude Estimation
HLS	Layer/Square
HDI	Category Data Import
HCI	Core Data Import
OPTM	OPTIMA®
LIN	LINEAR
TBA	Thin-Bed Analysis
CLAS	Clay Analysis and Shaly Sand Evaluation (CLASS®)
CLAY	Clay Description (CLAYS)
CRA	Complex Reservoir Analysis
DIE	Dielectric Analysis
RMA	Radioactive Mineral Analysis
FI	Fracture Index
SA	Sandstone Analysis
CS	Coal Seam Analysis
STRA	STRATA LOGIK®

#### **Acoustic Waveform Processing**

DDM	DDBHC Multi-Shot Processing
DDS	DDBHC Slowness Waveform Analysis
MSP	Multi-Shot Processing
SWA	Slowness Waveform Analysis
EWA	Energy Waveform Analysis
WPT	Waveform processing, DDBHCΔT

## Rock Properties

MP	Mechanical Properties
SS	Sand Strength
FP	Fracture Migration
DARC	Permeability Estimation

**Image Processing**

ACCR	Accelerometer Corrections Preprocessing (CIBLSM PREP)
RSA	Resample
NSE	Noise Reduction
ORI	Orientation
	Borehole Corrections
MUD	Mud Attenuation
ECC	Tool Eccentricity
	Image Enhancement
EDG	Edge Detection
SIG	Sigma Smoothing
THLD	Thresholding
HGM	Histogram Equalization

**Interactive Image Processing**

SDC	Synthetic Dip Curves (1-4)
SDCA	Additional Dip Curves
OC	Other Curves
SNP	Snap Shot
SNPA	Additional Copies
XSEC	Cross Section
BOUT	Breakout
VIEW	View
CLRP	Color Plot Continuous
RAY	Optimized Grey Scales
RAYP	Additional Playback
IREP	Integrated Report

**Diplog Analysis**STRATAGON<sup>SM</sup>

SOP	Optical
SAT	Automatic
SDIP	STRATA DIP <sup>®</sup>
DIPC	Basic Diplog Computation
AZD	Azimuth Dipfrac
DS	Directional Survey
TBT	True Bed Thickness
TVT	True Vertical Thickness
TVD	True Vertical Depth

**Cased Hole Analysis**PDK-100<sup>®</sup> Log Analysis (SEARCH)

STL	Time Lapse
LIL	Log-Inject-Log
SOH	With Openhole Data Included
SCH	Basic
	MSI C/O Log Analysis (CHES II <sup>®</sup> )
CTL	Time Lapse
COH	With Openhole Data Included
CHES	Basic
PLFO	PROFLOW
PRM	PRISM <sup>®</sup>
GAS	Gas Storage
	Pipe Evaluation
VTRC	Vertilog/Vertline
CPPC	CPP

**Pressure Transient Analysis**

LAYR	Multi-Layer Testing
PAN	Pan System Multi-Rate Test
PTA	Pressure Transient Analysis (REALITY)
PDR	Pressure Data Report
NODE	Well Performance Simulation (NODES)
FMTC	FMT Analysis

## **Abbreviations for Companies, Associations, & Organizations**

### **U.S. and Canada**

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AADE	American Association of Drilling Engineers
AAODC	See IADC
AAPG	American Association of Petroleum Geologists
AAPL	American Association of Professional Landmen
AAR	Association of American Railroads
ABSORB	Alaska Beaufort Seat Oil Spill Response Body
ACMP	Alaska Costal Management Program
ACS	American Chemical Society
ADDC	Association of Desk and Derrick Clubs
ADSC	The International Association of Foundation Drilling
AEC	Atomic Energy Commission
AECRB	Alberta Energy Conservation Resources Board
AEG	Association of Engineering Geologists
AESP	Association of Energy Services Companies
AGA	American Gas Association
AGI	American Geological Institute
AGTL	Alberta Gas Trunkline Co., LTD.
AGU	American Geophysical Union
AIChE	American Institute of Chemical Engineers
AIME	American Institute of Mining, Metallurgical and Petroleum Engineers
AISI	American Iron and Steel Institute
ALCOA	Aluminum Company of America
ANSI	American National Standards Institute
AOAC	Association of Official Agricultural Chemists



AOCS	American Oil Chemists Society
AOGA	Alaskan Oil & Gas Association
AOPL	Association of Oil Pipe Lines
AOSC	Association of Oilwell Servicing Contractors
AP&VMA	American Paint & Varnish Manufacturers Assoc.
APHA	American Public Health Association
API	American Petroleum Institute
APRA	American Petroleum Refiners Association
APW	Association of Petroleum Writers
ARCO	Atlantic Richfield Co.
ARKLA	Arkansas Louisiana Gas Co.
ASA	American Standards Assoc.
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.
ASLE	American Society of Lubricating Engineers
ASME	American Society of Mechanical Engineers
ASPG	American Society of Professional Geologists
ASPOE	American Society of Petroleum Operations Engineers
ASSE	American Society of Safety Engineers
ASSMR	American Society for Surface Mining and Reclamation
ASTM	American Society for Testing Materials
AWS	American Welding Society
AWWA	American Water Works Association
BLM	Bureau of Land Management
BLS	Bureau of Labor Statistics
BP	British Petroleum
BuMInes	Bureau of Mines, U.S. Department of the Interior
CADE	Canadian Association of Drilling Engineers
CAGC	A combine: Continental Oil Co., Atlantic Richfield Co., and Cities Service Oil Co.
CAGCT	Centre for Advanced Gas Combustion Technology

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## Abbreviations for Companies, Associations, & Organizations

CAODS	Canadian Association of Oilwell Drilling Contractors
CAPP	Canadian Association of Petroleum Producers
CCCOP	Conservation Committee of California Oil Producers
CDS	Canadian Development Corp.
CEPA	Canadian Energy Pipeline Association
CFRC	Coordinating Fuel Research Committee
CGA	Canadian Gas Association
CGA	Clean Gulf Associates
CGRI	Canadian Gas Research Institute
CGTC	Columbia Gas Transmission Co.
CIM	Canadian Institute of Mining, Metallurgy and Petroleum
CIPA	California Independent Petroleum Association
CL&F	Continental Land and Fur Co.
CNG	Consolidated Natural Gas Supply Company
CNGP	CNG Producing Committee
COE	Corps of Engineers
COGA	Colorado Oil & Gas Association
CONOCO	Continental Oil Co.
COPAS	Council of Petroleum Accountants Society
CORCO	Commonwealth Oil Refining Co., Inc.
CORS	Canadian Operational Research Society
CPA	Canadian Petroleum Association
CPIA	Cathodic Protection Industry Association
CRC	Coordinating Research Council, Inc.
CSEG	Canadian Society of Exploration Geophysicist
CSPG	Canadian Society of Petroleum Geologists
D&D	Desk & Derrick
DNR	Department of Natural Resources
DOE	Department of Energy
DOT	Department of Transportation
DRAPR	Delaware River Area Petroleum Refineries
Drssr., da	Dresser Atlas



EMR	Department of Energy, Mines, and Resources (Canada)
ENTELEC	Energy Telecommunications & Electrical Association
EPA	Environmental Protection Agency
ERCB	Energy Resource Conservation Board (Alberta, Canada)
FAA	Federal Aviation Agency
FCC	Federal Communications Commission
FERC	Federal Energy Regulatory Commission
FPC	Federal Power Commission
FSIWA	Federation of Sewage and Industrial Wastes Assoc.
FTC	Federal Trade Commission
FTPI	Fiberglass Tank & Pipe Institute
GAMA	Gas Appliance Manufacturers Association
GE	General Electric Company
GISB	Gas Industries Standards Board
GM	General Motors
GNEC	General Nuclear Engineering Co.
GR&DC	Gulf Research and Development Company
GREG	Groupe de recherche en gazotechnologies
GTC	Gas Technology Canada
IADC	International Association of Drilling Contractors (formerly AAODC)
IAE	Institute of Automotive Engineers
IAGC	International Association of Geophysical Contractors
ICC	Interstate Commerce Commission
IEEE	Institute of Electrical and Electronics Engineers
IGT	Institute of Gas Technology
IGUA	Industrial Gas Users Association
ILMA	Independent Lubricant Manufacturers Association
ILTA	Independent Liquid Terminals Association
INGAA	Independent Natural Gas Association of America

IOCA	Independent Oil Compounders Association
IOCC	Interstate Oil Compact Commission
IOGA	Illinois Oil & Gas Association
IOGANY	Independent Oil & Gas Association of New York
IOGAP	Independent Oil & Gas Association of Pennsylvania
IOGAWY	Independent Oil & Gas Association of West Virginia
IOGCC	Interstate Oil & Gas Compact Commission
IOPA	Independent Oil Producers Agency
IOSA	International Oil Scouts Association
IP	Institute of Petroleum
IPAA	Independent Petroleum Association of America
IPAC	Independent Petroleum Association of Canada
IPCA	International Petroleum Credit Association
IPE	International Petroleum Exposition
IPP/L	Interprovincial Pipe Line Co.
IRAA	Independent Refiners Association of America
ISA	Instrument Society of America
ISSA	International Slurry Surfacing Association
IUPIW	International Union of Petroleum & Industrial Workers
JCUMWE	Joint Committee on Uniformity of Methods of Water Examination
KERMAC	Kerr-McGee Corp.
KIOGA	Kansas Independent Oil and Gas Association
KOGA	Kentucky Oil & Gas Association
LIOGA	Louisiana Independent Oil & Gas Association
LL&E	Louisiana Land & Exploration Co.
MAPL	Michigan Association of Petroleum Landmen
MBGS	Michigan Basin Geological Society
MDEG	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
MIOP	Mandatory Oil Import Program
MMS	Minerals Management Service
MOGA	Michigan Oil & Gas Association



MPA	Michigan Petroleum Association
MPSC	Michigan Public Service Commission
NACD	National Association of Chemical Distributors
NACE	National Association of Corrosion
NACOPS	National Advisory Committee on Petroleum Statistics (Canada)
NACR	National Association of Chemical Recyclers
NAEP	National Association of Environmental Professionals
NAESCO	National Association of Energy Services Companies
NAOHSM	National Association of Oil Heating Service Managers
NARO	National Association of Royalty Owners
NAS	National Academy of Science
NASA	National Aeronautical and Space Administration
NCPSA	Natural Gas Processors Suppliers Association
NDA	National Drilling Association
NEB	National Energy Board (Canada)
NEMA	National Electrical Manufacturers Association
NEPA	National Environmental Policy Act of 1969
NGPA	Natural Gas Processor Association
NGSA	Natural Gas Supply Association
NLGI	National Lubricating Grease Institute
NLPGA	National Liquefied Petroleum Gas Association
NLRB	National Labor Relations Board
NMA	National Mining Association
NMOCC	New Mexico Oil Conservation Commission
NMOGA	New Mexico Oil and Gas Association
NOFI	National Oil Fuel Institute
NOIA	National Ocean Industries Association
NOJC	National Oil Jobbers Council
NOMADS	National Oil-Equipment Manufacturers and Delegates Society
NPC	National Petroleum Council

## Abbreviations for Companies, Associations, & Organizations

NPDES	National Pollution Discharge Elimination System
NPGA	National Propane Gas Association
NPR	Naval Petroleum Reserve
NPRA	Naval Petroleum Reserve, Alaska
NPRA	National Petroleum Refiners Association
NPTO	National Petroleum Technology Office
NRC	Nuclear Regulatory Commission
NSF	National Science Foundation
NTOGA	North Texas Oil & Gas Association
OCAW	Oil, Chemical & Atomic Workers International Union
OCR	Office of Coal Research
OEP	Office of Emergency Preparedness
OERB	Oklahoma Energy Resources Board
OFA	Oxygenated Fuels Association
OGJ	Oil & Gas Journal
OIA	Oil Import Administration
OIAB	Oil Import Appeals Board
OIC	Oil Information Committee
OIPA	Oklahoma Independent Petroleum Association
OOC	Offshore Operators Committee
OOGA	Ohio Oil & Gas Association
OPC	Oil Policy Committee
OPI	Ontario Petroleum Institute
ORIAC	Oil Refining Industry Action Committee
ORSANCO	Ohio River Valley Water Sanitation Commission
OXY	Occidental Petroleum Corp.
PAD	Petroleum Administration for Defense
PCF	Petroleum Communications Foundation
PEI	Petroleum Equipment Institute
PESA	Petroleum Equipment Suppliers Association
PETCO	Petroleum Corporation of Texas
PETSOC	Petroleum Society of the Canadian Institute of Mining, Metallurgy and Petroleum



PGAC	Propane Gas Association of Canada
PGCOA	Pennsylvania Grade Crude Oil Association
PIEA	Petroleum Industry Electrical Association
PITS	Petroleum Industry Training Service
PLATO	Pennzoil Offshore Gas Operators
PLCA	Pipe Line Contractors Association
PMAA	Petroleum Marketers Association of America
POGO	Pennzoil Offshore gas Operators
PPC	Petroleum Packaging Council
PPI	Plastic Pipe Institute
PPROA	Panhandle Producers and Royalty Owners Association
PRI	Petroleum Recovery Institute
PSAC	Petroleum Services Association of Canada
PTTC	Petroleum Technology Transfer Council
RMOGA	Rocky Mountain Oil and Gas Association
R-PAT	Regional Petroleum Association
RPI	Research Planning Institute
RRC	Railroad Commission (Texas)
RTL	Refinery Technology Laboratory
SACROC	Scurry Area Canyon Reef Operators Committee
SAE	Society of Automotive Engineers
Schl., Sj	Schlumberger
SEG	Society of Exploration Geophysicists
SEPAC	Small Explorers and Producers Association of Canada
SEPM	Society of Economic Paleontologists and Mineralogists
SFER	Santa Fe Energy Resources, Inc.
SGA	Southern Gas Association
SLAM	A combine: Signal Oil and Gas Co., Louisiana Land & Exploration Co., and Marathon Oil Co.
SMA	Society of Mineral Analysts
SMENET	Society for Mining, Metallurgy & Exploration

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## Abbreviations for Companies, Associations, & Organizations

SMRI	Solution Mining Research Institute
SOCAL	Standard Oil Company of California
SOHIO	Standard Oil Co. of Ohio
SPE	Society of Petroleum Engineers of AIME
SPEE	Society of Petroleum Evaluation Engineers
SPWLA	Society of Professional Well Log Analysts
SSDA	Service Station Dealers of America & Allied Trade
STATCAN	Statistics Canada ex Dominion, Bureau of Statistics (DBS)
TAPS	Trans-Alaska Pipeline Systems
TCP	Trans-Canada Pipe Lines Ltd.
TEMA	Tubular Exchange Manufacturers Association
TETCO	Texas Eastern Transmission Corp.
TGT	Tennessee Gas Transmission Co.
THUMS	A combine: Texaco, Inc., Humble Oil & Refining Co., Union Oil Co. of California, Mobil Oil Corp., and Shell Oil Co.
TIPRO	Texas Independent Producers and Royalty Owners Association
TRANSCO	Transcontinental Gas Pipe Line Corp.
TT&T	Texaco Trading & Transportation
UNOCAL	Union Oil of California
UOCO	Union Oil Company
UOP	Universal Oil Products Company
USEPA	U.S. Environmental Protection Agency
USGS	United States Geological Survey
USP	United States Pharmacopoeia
WeCTOGA	West Central Texas Oil and Gas Association
WIPA	Wyoming Independent Producers Association
WOGA	Western Oil & Gas Association
WPC	World Petroleum Congress
WSPA	Western States Petroleum Association
Wx	Welex

## Outside U.S. and Canada

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AAP	Afro-Arab Petroleum Trading & Petrochemicals WLL	<i>Kuwait</i>
ABOI	Assoc. of British Oceanic Industries	<i>UK</i>
ACNA	Aziende Colori Nazionali Affini	<i>Italy</i>
ACP	Association des Consultants Petroliers	<i>France</i>
ACPA	Alexandria Co. for Petroleum Additives	<i>Egypt</i>
ACPHA	Association Cooperative pour la Recherche et l'Exploration des Hydrocarbures en Algerie	<i>Algeria</i>
ADB	Asian Development Bank	—
ADCO	Abu Dhabi Co. for Onshore Oil Operations	<i>Abu Dhabi</i>
ADDCAP	Abu Dhabi Drilling Chemicals and Products Ltd.	<i>Abu Dhabi</i>
ADGAS	Abu Dhabi Gas Liquefaction Co. Ltd.	<i>Abu Dhabi</i>
ADMA-OPCO	Abu Dhabi Marine Operating Co.	<i>Abu Dhabi</i>
ADNATCO	Abu Dhabi National Tanker Co.	<i>Abu Dhabi</i>
ADNOC	Abu Dhabi National Oil Company	<i>Abu Dhabi</i>
ADNOC-FOD	Abu Dhabi National Oil Company for Distribution	<i>Abu Dhabi</i>
ADPC	Abu Dhabi Petroleum Co. Ltd.	<i>Abu Dhabi</i>
ADPPOC	Abu Dhabi Petroleum Ports Operating Co.	<i>Abu Dhabi</i>
AEGPL	Assoc. Europeenne des Gaz de Petrole Liquifies	<i>France</i>
AFG	Assoc. Francaise du Gaz	<i>France</i>
AFPC	Al Forat Petroleum Company	<i>Syria and others</i>
AFSSA	Aviation Fueling Services S.A.	<i>Greece</i>
AFTP	Assoc. Francaise des Techniciens et Professionnels du Petrole	<i>France</i>

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Abbreviations for Companies, Associations, & Organizations

AGA	Australian Gas Assoc.	<i>Australia</i>
AGAS	Associated Gas Supplies Ltd.	<i>UK</i>
AGIBA	Agiba Petroleum Company	<i>Egypt</i>
AGIP	Azienda Generale Italiana Petroli S.p.A. (see ENI)	<i>Italy</i>
AGOC	Aramco Gulf Operations Co. Ltd.	<i>Saudi Arabia</i>
AGOCO	Arabian Gulf Oil Company	<i>Libya</i>
AHL	Amerada Hess Ltd.	<i>UK</i>
AHN	Amerada Hess Norge A/S	<i>Norway</i>
AIG	Australian Institute of Geoscientists	<i>Australia</i>
AIP	Australian Institute of Petroleum	<i>Australia</i>
AIPK	American International Petroleum Kazakhstan	<i>Kazakhstan</i>
ALBPETROL	Albanian Petroleum Corporation	<i>Albania</i>
ALEPCO	Ste. Algero-Arab-Libyenne d'Exploitation et de Production des Produits Petroliers	<i>Algeria</i>
AMI	Associazione Mineraria Italiana	<i>Italy</i>
AMPOL	Australian Petroleum Pty. Ltd.	<i>Australia</i>
AMPTC	Arab Maritime Petroleum Transport Co.	<i>OAPEC</i>
ANCAP	Administracion Nacional de Combustibles, Alcohol y Portland	<i>Uruguay</i>
ANPC	Afghan National Petroleum Co.	<i>Afghanistan</i>
AOC	Arabian Oil Company Ltd.	<i>Japan</i>
AOC	Aramco Overseas Company	<i>Netherlands, China, Korea</i>
APC	Alexandria Petroleum Company	<i>Egypt</i>
APEC	Asia Pacific Economic Cooperation Forum	—
APG	Assoc. of Policy Geomorphologists	<i>Poland</i>
API	Anonima Petroli Italiana S.p.A.	<i>Italy</i>
APIA	Australian Pipeline Industry Assoc. Inc.	<i>Australia</i>
APPEA	Australian Petroleum Production & Exploration Assoc.	<i>Australia</i>



APRC	Arab Petroleum Research Center	<i>France</i>
APRC	Amerya Petroleum Refining Company	<i>Egypt</i>
APSCO	Arab Petroleum Services Co.	<i>OAPEC</i>
APTI	Arab Petroleum Training Institute	<i>OAPEC</i>
ARAMCO	(see Saudi Aramco) (formerly Arabian American Oil Company)	<i>Saudi Arabia</i>
ARPEL	Asistencia Reciproca Petrolera Empresarial Latinoamerica (Regional Assoc. of Oil & Natural Gas Cos. in Latin America and the Caribbean)	—
ASEAN	Association of Southeast Asian Nations	—
ASEG	Australian Society of Exploration Geophysicists	<i>Australia</i>
ASESA	Asfaltes Espanoles S.A.	<i>Spain</i>
ASRY	Arab Shipbuilding & Repair Yard Co.	<i>OAPEC</i>
ATAS	Anadolu Tastiyehanesi A.S.	<i>Turkey</i>
ATLANTICO	Compania Espanola de Petroleos Atlantico S.A.	<i>Spain</i>
AXORC	Assuit Oil Refining Company	<i>Egypt</i>
BANAGAS	Bahrain National Gas Co. BSC	<i>Bahrain</i>
BANOCO	Bahrain National Oil Company	<i>Bahrain</i>
BAPCO	Bahrain Petroleum Company BSC	<i>Bahrain</i>
BAPETCO	Badr El Deen Petroleum Co.	<i>Egypt</i>
BAPEX	Bangladesh Petroleum Exploration Company Ltd.	<i>Bangladesh</i>
BASF	Badische Anilin & Soda Frabrik AG	<i>Germany</i>
BERL	Boral Energy Resources Ltd.	<i>Australia</i>
BG	British Gas plc	<i>UK</i>
BG E&P	BG Exploration and Production Ltd.	<i>UK</i>
BGC	British Gas Council	<i>UK</i>
BHP	Broken Hill Proprietary plc	<i>Australia</i>
BITOR	Bitumenes Orinoco S.A.	<i>Venezuela</i>
BMP	Bureau of Minerals and Petroleum	<i>Denmark</i>

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Abbreviations for Companies, Associations, & Organizations

BNOCL	Barbados National Oil Company Ltd.	<i>Barbados</i>
BNPE	Bureau de Normalisation du Petrole	<i>France</i>
BOMINFLOT	KG Bominflot Bunkergas fuer Mineraloele mbH & Co.	<i>Germany</i>
BOPEC	Bonaire Petroleum Corporation	<i>Neth. Antilles</i>
BORCO	Bahamas Oil Refining Co.	<i>Venezuela</i>
BOTAS	BOTAS, Petroleum Pipeline Corp. Ltd.	<i>Turkey</i>
BP	British Petroleum Company plc	<i>UK</i>
BPC	Bharat Petroleum Corp.	<i>India</i>
BR	Petrobras Internacional S.A.	<i>Brazil</i>
BRASPETRO	Petrobras Internacional S.A.	<i>Brazil</i>
BRGG	Bureau de Recherches Geologiques et Geophysique	<i>France</i>
BRGM	Bureau de Recherches Geologiques et Minieres	<i>France</i>
BSI	British Standards Institute	<i>UK</i>
BTL	Bantry Terminals Ltd.	<i>Ireland</i>
CAL	Caltex Australia Ltd.	<i>Australia</i>
CALTEX	Various affiliates of Texaco Inc, and Chevron Corp. partnership	—
CAMEL	Companie Algerienne du Methane Liquide	<i>France/Algeria</i>
CAMPSA	Compania Arrendataria del Monopolio de Petroleos, S.A. (sub. of Repsol)	<i>Spain</i>
CAPAG	Entreprise Moderne de Canalisations Petrolieres, Aquiferes et Gasieres	<i>France</i>
CARBESA	Carbon Black Espanola S.A.	<i>Spain</i>
CCC	Clean Caribbean Cooperative	—
CEDIPSA	Compania Espanola Distribuidora de Petroleos S.A.	<i>Spain</i>
CEP&M	Comite d'Etudes Petrolieres et Marine	<i>France</i>
CEPCO	City Ecuadoriana Production Co.	<i>Ecuador</i>



CEPE	Corporacion Estatal de Petroleo Ecuatoriano	<i>Ecuador</i>
CEPSA	Compania Espanola de Petroleos, S.A.	<i>Spain</i>
CERHYD	Centre de Recherche Pour La Valorisation des Hydrocarbures & Derives	<i>Algeria</i>
CFG	Companie Francaise pour le Developpement de Geothermie et des Energies Nouvelles	<i>France</i>
CFM	Companie Francaise du Methane	<i>France</i>
CFP	Companie Francaise du Petroles (also Total)	<i>France</i>
CFR	Companie Francaise de Raffinage (sub. of Total)	<i>France</i>
CGES	Centre for Global Energy Studies	<i>UK</i>
CGG	Companie Generale de Geophysique	<i>France</i>
CHR	Surgutneftegas	<i>Russia</i>
CIEPSA	Compania de Investigacion y Exploraciones Petroliferas, S.A.	<i>Spain</i>
CIM	Companie Industrielle Maritime	<i>France</i>
CINSA	Compania Insular del Nitrogena, S.A.	<i>Spain</i>
CIRES	Companhia Industrial de Resinas Sinteticas	<i>Portugal</i>
CKTA	Central Kazakhstan Territorial Administration for Natural Resource Protection	<i>Kazakhstan</i>
CLH	Compania Logistica de Hidrocarburos S.A.	<i>Spain</i>
CMPT	Centre for Marine & Petroleum Technology	<i>UK</i>
CNACG	China National Administration of Coal Geology	<i>China</i>
CNI	Conoco Norway	<i>Norway</i>
CNODC	China National Oil & Gas Exploration & Development Corp. (see CSPC)	<i>China</i>

## Abbreviations for Companies, Associations, & Organizations

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CNOOC	China National Offshore Oil Corporation	<i>China</i>
CNPC	China National Petroleum Corporation	<i>China</i>
CNSI	Conoco North Sea Inc.	<i>Norway</i>
COCHIME	Companie Chimique de la Mediterranee	<i>France</i>
CODESSAS	Cia. Operadora de Estaciones de Servicio S.A. de CV	<i>Mexico</i>
COLPET	Colombian Petroleum Co.	<i>Colombia</i>
COMESA	Cie. Mexicana de Exploraciones S.A.	<i>Mexico</i>
COMGAS	Companhia de Gas de Sao Paolo	<i>Brazil</i>
COMMEGO	Committee on Geology & Mineral Resources	<i>Bulgaria</i>
CONCAWE	Oil companies' European organization for environment, health and safety	<i>Belgium</i>
CONSPAIN	Continental Oil Co. of Spain (Conoco Espanola, S.A.)	<i>Spain</i>
COOP	Societe Cooperative Des Petroles	<i>Egypt</i>
COPAREX	Companie de Participations, de Recherches et d'Exploitations Petrolieres	<i>France</i>
CORC	Cairo Oil Refining Company	<i>Egypt</i>
COSMO		<i>Japan</i>
COVA	Netherlands National Petroleum Stockpiling Agency (Stichting Centraal Orgaan Voorraadvoorming Aardolieprodukten)	<i>Netherlands</i>
CPC	Chinese Petroleum Corporation, Taiwan	<i>Republic of China</i>
CPC	Caspian Pipeline Consortium	<i>Kazakhstan</i>
CPC	Ceylon Petroleum Corporation	<i>Sri Lanka</i>
CPCL	Chennai Petroleum Corp. Ltd.	<i>India</i>
CPDP	Comite Professionel du Petrole	<i>France</i>
CPI	PT Caltex Pacific Indonesia	<i>Indonesia</i>
CRC	Czech Refinery Company	<i>Czech Rep.</i>
CRE	Comision Reguladora de Energia	<i>Mexico</i>



CRP	Bureau de Recherche de Petrole	<i>France</i>
CRR	Companie Rhenane de Raffinage	<i>France</i>
CSPC	China Southern Petroleum Exploration & Development Corp. (formerly CNODC, sub of CNPC)	<i>China</i>
CUPET	Commercial Cupet S.A.	<i>Cuba</i>
DANA	Dana Petroleum plc	<i>UK</i>
DANOP	Dansk Operatorselskab	<i>Denmark</i>
DDGAS	South Transdanubian Gas Co.	<i>Germany</i>
DEA	Deutsche Erdol Aktiengesellschaft (see REW-DEA)	<i>Germany</i>
DELEK	Delek the Israel Fuel Corp. Ltd.	<i>Israel</i>
DEMINEX	DEMINEX GmbH	<i>Germany</i>
DEP	Public Petroleum Corp. S.A.	<i>Greece</i>
DEPA	Greek State Natural Gas Company	<i>Greece</i>
DERPROSA	Derivados del Propileno S.A.	<i>Spain</i>
DEUDAN	Deutsche/Danische Erdgastransport GmbH	<i>Germany/Denmark</i>
DEUTAG	Deutsche Tiefbohr-AG	<i>Germany</i>
DGMK	German Society for Petroleum & Coal Science & Technology (Deutsche Wissenschaftliche Gesellschaft fur Erdol, Erdgas und Kohle e.V.)	<i>Germany</i>
DICOL	Distribuidora de Combustiveis e Lubrificantes da Guinea Bissau Lda.	<i>Portugal</i>
DIGANAMEX	Distribuidora de Gas Natural del Estado de Mexico S.A.	<i>Mexico</i>
DIGAQRO	Distribuidora de Gas de Queretaro S.A.	<i>Mexico</i>
DIMAH	Direction des Matieres Premiers et des Hydrocarbures	<i>France</i>
DIOCO	DEMINEX Egypt Co.	<i>Egypt</i>
DISPESA	Compania Distribuidora de Productos Petroliferos S.A.	<i>Spain</i>

## Abbreviations for Companies, Associations, & Organizations

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DITAS	TPAO Marine Tanker Subsidiary	<i>Turkey</i>
DMGM	Direction Nationale de la Geologie et des Mines	<i>Mali</i>
DNO	Det Norske Oljeselskap A/S	<i>Norway</i>
DNV	Det Norske Veritas	<i>Norway</i>
DONG	Dansk Olie og Naturgas A/S	<i>Denmark</i>
DTI	Department of Trade & Industry	<i>UK</i>
DUC	Dansk Underground Consortium	<i>Denmark</i>
DUPETCO	Dubai Petroleum Co.	<i>Dubai</i>
E&P FORUM	Oil Industry Intenational Exploration & Production Forum	<i>UK</i>
EAGE	European Assoc. of Geoscientists & Engineers	<i>Netherlands</i>
EC	European Commission	—
ECN	Netherlands Energy Research Foundation (Energieonderzoek Centrum Nederland)	<i>Netherlands</i>
ECOPETROL	Empresa Colombiana de Petroleos	<i>Colombia</i>
EEC	Energy Equity Corp. Ltd.	<i>Australia</i>
EEG	Erdgas Erdol Gommern	<i>Germany</i>
EEMUA	Engineering Equipment & Materials Users Assoc.	<i>UK</i>
EGPC	Egyptian General Petroleum Corp.	<i>Egypt</i>
EGSMA	Egyptian Geological Survey & Mining Authority	<i>Egypt</i>
EGTA	Etudes et Grands Travaux de l'Atlantique	<i>France</i>
EIGS	Ethopian Institute for General Surveys	<i>Ethiopia</i>
EIVAL	Sociedad de Empreendimentos, Investimentos e Armazenagem de Gases S.A.	<i>Portugual</i>
EKTA	East Kazakhstan Territorial Administration for Natural Resource Protection	<i>Kazakhstan</i>
ELF	Elf Aquitaine (now TotalFinaElf)	<i>France</i>



ELF NORGE	Elf Petroleum Norge A/S	<i>Norway</i>
ELGI	Eotvos Lorand Geofizikai Intezet (Geophysical Institute of Hungary)	<i>Hungary</i>
EMAGEO	Entreprise Nationale de Geophysique	<i>Algeria</i>
EMALCO	Empresa Almacenadora de Combustibles Ltda.	<i>Chile</i>
EMARAT	Emirates General Petroleum Corp.	<i>UAE</i>
ENACOL	Empresa Nacional de Combustiveis, SARL	<i>Cape Verde</i>
ENAFOR	Entreprise Nationale de Forage	<i>Algeria</i>
ENAGAS	Empresa Nacional del Gas S.A.	<i>Spain</i>
ENAP	Empresa Nacional del Petroleo	<i>Chile</i>
ENFERSA	Empresa Nacional de Fertilizantes S.A.	<i>Spain</i>
ENGEBRAS	Engenharia Especializada Brasileira, S.A.	<i>Brazil</i>
ENH	Empresa Nacional de Hidrocarbonetos de Moçambique	<i>Mozambique</i>
ENI	Ente Nazionale Idrocarburi S.p.A. (incorporates Agip)	<i>Italy</i>
ENIP	Entreprise Nationale d'Industrie Petrochimique	<i>Algeria</i>
ENPPI	Engineering for the Petroleum and Process Industries	<i>Egypt</i>
EOP	Edinburgh Oil & Gas plc	<i>UK</i>
EPC	Ethiopian Petroleum Enterprise	<i>Ethiopia</i>
EPC	Egyptian Petrochemicals Company	<i>Egypt</i>
EPSG	European Petroleum Survey Group	—
ERAP	Entreprise de Recherches et d'Activites Petrolieres	<i>France</i>
ERIP	European/Russian Council for the Petroleum Industry	—
ESSAF	Esso Standard Societe Anonyme Francaise	<i>France</i>
ESSO REP	Societe Esso de Recherches et Exploitation Petrolieres	<i>France</i>

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Abbreviations for Companies, Associations, & Organizations

ETAP	Entreprise Tunisienne d'Activites Petrolieres	<i>Tunisia</i>
ETDE	Energy Technology Data Exchange (intl. consortium)	—
ETPM	Societe Entrepouse G.T.M pour les Travaux Petroliers Maritimes	<i>France</i>
EU	European Union	—
EURAFREP	Societe de Recherches et d'Exploitation de Petrole	<i>France</i>
EURAFRAP	EURAFRAP Nederland B.V. (and others)	<i>Netherlands</i>
EUROGAS	European Union of the Natural Gas Industry	<i>Belgium</i>
EUROGIF	European Oil and Gas Innovation Forum	—
EUROPIA	European Petroleum Industry Assoc.	—
EV	Erdoel-Vereinigung (Swiss Petroleum Assoc.)	<i>Switzerland</i>
FERTIL	Ruwais Fertilizer Industries Ltd.	<i>Abu Dhabi</i>
FIGAZ	Federation de l'Industrie du Petrole	<i>France</i>
FINA	PetroFina S.A. (now TotalFinaElf)	<i>Belgium</i>
FIOC	First International Oil Company	<i>Kazakhstan</i>
FPB	Belgian Oil Federation	<i>Belgium</i>
FRANCAREP	Compagnie Franco-Afrique de Recherches Petrolieres	<i>France</i>
G7	Group of Seven (leading industrialized countries)	—
GAIL	Gas Authority	<i>India</i>
GAOCMAO	Gulf Area Oil Companies Mutual Aid Organization	—
GASCO	Abu Dhabi Gas Industries Ltd.	<i>Abu Dhabi</i>
GASCO	Egyptian Natural Gas Co.	<i>Egypt</i>
GASUNIE	NV Nederlandse Gasunie	<i>Netherlands</i>
GATOIL	Subsidiary of NOC Libya	<i>Libya</i>



GAZPROM	RAO Gazprom (former USSR Ministry of Gas Production)	<i>Russia</i>
GCC	Gulf Cooperation Council	<i>Middle East</i>
GDF	Gas de France	<i>France</i>
GDP	Gas de Portugal	<i>Portugal</i>
GEISO	Geisum Oil Company	<i>Egypt</i>
GEOPLIN	Slovenian Gas Company	<i>Slovenia</i>
GEP	French Oil & Gas Suppliers Council (Groupement des Entreprises Parapetrolieres et Paragazieres)	<i>France</i>
GFU	Gas Negotiating Board	<i>Norway</i>
GHAIP	Ghanaian-Italian Petroleum Co., Ltd.	<i>Ghana</i>
GIO	Gulf Investment Organization	<i>Kuwait/GCC</i>
GNPC	Ghana National Petroleum Corp.	<i>Ghana</i>
GNPOC	Greater Nile Petroleum Operating Co.	<i>Egypt</i>
GPA EUROPE	Gas Processors Assoc.—Europe	—
GPC	The General Petroleum Co.	<i>Egypt</i>
GPEP	Gabinete Para Pesquisa e Exploracao de Petroleo	<i>Portugal</i>
GSPC	Gujarat State Petroleum Corp. Ltd.	<i>India</i>
GUPCO	Gulf of Suez Petroleum Co.	<i>Egypt</i>
HAR	Hellenic Aspropyrgas Refinery	<i>Greece</i>
HELIOS	Ste. Pour la Construction et l'Exploitation d'une Usine d'Helium Liquide et d'Azote	<i>Algeria</i>
HISPANOIL	Hispanica de Petroleos, S.A. (see Repsol)	<i>Spain</i>
HOC	Hindustan Organic Chemicals Ltd.	<i>India</i>
HPCL	Hindustan Petroleum Corporation Ltd.	<i>India</i>
HYDRO	Norsk Hydro	<i>Norway</i>
HYDRO-CONGO	National Oil Exploration and Exploitation Corp.	<i>Congo</i>
HYLSA	Hojalata y Lamina, S.A.	<i>Mexico</i>
IAEE	International Assoc. for Energy Economics	<i>US</i>

## Abbreviations for Companies, Associations, & Organizations

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IAP	Institut Algerien du Petrole	<i>Algeria</i>
IAPG	Instituto Argentino del Petroleo y del Gas	<i>Argentina</i>
IBP	Instituto Brasileiro de Petroleo	<i>Brazil</i>
ICGTI	International Centre for Gas Technology Information	<i>IEA</i>
ICI	Imperial Chemical Industries Ltd.	<i>UK</i>
ICIANZ	Imperial Chemical Industries of Australia & New Zealand Ltd.	<i>UK</i>
ICPA	International Cooperative Petroleum Assoc.	<i>Netherlands</i>
IEA	International Energy Agency	—
IEEJ	Institute of Energy Economics, Japan	<i>Japan</i>
IEF	International Energy Forum	—
IEOC	International Egyptian Oil Co., Inc.	<i>Egypt</i>
IFC	International Finance Corporation	<i>World Bank</i>
IFE	Institute of Energy Technology	<i>Norway</i>
IFP	Institut Francais du Petrole	<i>France</i>
IGSAS	Istanbul Fertiliser Industry Corp.	<i>Turkey</i>
IGU	International Gas Union	<i>France</i>
IMIQ	Instituto Mexicano de Ingenieros Quimicos AC	<i>Mexico</i>
IMO	International Maritime Organization	—
INA	Industrija Nafta	<i>Croatia</i>
INDEIN	Ingenieria y Desarrollo Industrial S.A.	<i>Spain</i>
INH	Instituto Nacional de Hidrocarburos	<i>Spain</i>
INI	Instituto Nacional de Industria	<i>Spain</i>
INOC	Iraq National Oil Company	<i>Iraq</i>
INPC	Irish National Petroleum Corp. Ltd.	<i>Ireland</i>
INPEX	Indonesian Petroleum Ltd.	<i>Japan</i>
INPP	Institut Nationale de Plongee Professionnelle	<i>France</i>
INTERQUISA	Intercontinental Quimica S.A.	<i>Spain</i>



INTERTANKO	Intl. Assoc. of Independent Tanker Owners	—
IOC	Indian Oil Company	<i>India</i>
IOOA	Irish Offshore Operators' Assoc.	<i>Ireland</i>
IOPC	Intl. Oil Pollution Compensation	—
IP	The Institute of Petroleum	<i>UK</i>
IP	Italiana Petroli S.p.A.	<i>Italy</i>
IPA	Indonesian Petroleum Assoc.	<i>Indonesia</i>
IPE	The International Petroleum Exchange of London Ltd.	<i>UK</i>
IPIC	International Petroleum Investment Co.	<i>UAE</i>
IPIECA	International Petroleum Industry Environmental Conservation Assoc.	<i>UK</i>
IRBP	Institut Royal Belge du Petroles	<i>Belgium</i>
IRO	Assoc. of Dutch Suppliers in the Oil & Gas Industry	<i>Netherlands</i>
ISNEFT	Israel National Oil Co. Ltd.	<i>Israel</i>
ISO	International Organization for Standardization	—
JAPEX	Japan Petroleum Exploration Co. Ltd.	<i>Japan</i>
JAPT	Japanese Assoc. for Petroleum Technology	<i>Japan</i>
JEC	Japan Energy Corporation	<i>Japan</i>
JGA	Japan Gas Association	<i>Japan</i>
JIS	Japanese Industrial Standards	<i>Japan</i>
JKX	JKX Oil and Gas plc	<i>UK</i>
JNOC	Japan National Oil Corporation	<i>Japan</i>
JUPC	Jubail United Petrochemical Co.	<i>Saudi Arabia</i>
KAFCO	Kuwait Aviation Fueling Co. KSC	<i>Kuwait</i>
KBB	Kavernen Bau- und Betriebs-GmbH	<i>Germany</i>
KCS	Kazakhstan Caspian Shelf Joint Stock Co.	<i>Kazakhstan</i>
KMOC	Khanty Mansiysk Oil Corp.	<i>Siberia, Russia</i>
KNOC	Korean National Oil Corporation	<i>Korea</i>
KNPC	Kuwait National Petroleum Co. KSC	<i>Kuwait</i>
KOC	Kuwait Oil Company KSC	<i>Kuwait</i>

## Abbreviations for Companies, Associations, & Organizations

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KOGAS	Korean Gas Corp.	<i>Korea</i>
KOTC	Kuwait Oil Tanker Co.	<i>Kuwait</i>
KPC	Kuwait Petroleum Corp.	<i>Kuwait</i>
KPC	Khalda Petroleum Company	<i>Egypt/Spain</i>
KTM	Kazakhturmunay Ltd. Joint Petroleum Corp.	<i>Turkey/Kazakhstan</i>
KUFPEC	Kuwait Foreign Petroleum Exploration Co. KSC	<i>Kuwait</i>
KVO	Koninklijke Van Ommeren NV	<i>Netherlands</i>
LASMO	LASMO plc (London & Scottish Marine Oil Co.)	<i>UK</i>
LGA	Laboratoire de Geophysique Applique	<i>Algeria</i>
LGSC	Liquified Gas Shipping Co.	<i>Abu Dhabi</i>
LOR	Lindsey Oil Refinery Ltd.	<i>UK</i>
LUBRIESUR	Lubricantes del Sur S.A.	<i>Spain</i>
LUBRINER	Lubricantes Nervion S.A.	<i>Spain</i>
LUBRITURIA	Lubricantes Turia S.A.	<i>Spain</i>
LUK	Lukoil	<i>Russia</i>
MABANAFT	Marquard & Bahls AG	<i>Germany</i>
MAMR KAZGOSNEDRA	Main Administration of Mineral Resources	<i>Kazakhstan</i>
MARICONSULT	Technical support to Transmed	<i>Algeria</i>
MEDCO	Mediterranean Oil Shipping & Transport Co. SAL	<i>Lebanon</i>
MEGAL	Mittle-Europaische- Gasleitungsgesellschaft	<i>Germany</i>
MEKOG	Maatschappij Tot Exploitatie van Kooksovengassen NV	<i>Netherlands</i>
METG	Mittelrheinische Ergastransport GmbH	<i>Germany</i>
MGT	Mongol Petroleum Co.	<i>Mongolia</i>
MIDTAP	Middle East Oil Tankage & Pipelines	<i>Egypt</i>



MIGOP	Misr Gulf Oil Processing Company	<i>Egypt</i>
MIRO	Mineraloelraffinerie Oberrhein GmbH & Co.	<i>Germany</i>
MITI	Ministry of International Trade and Industry	<i>Japan</i>
MND	Czech National Oil Company	<i>Czech Rep.</i>
MOC ACOR	Distribuidora de Combustiveis S.A.	<i>Mozambique</i>
MOCL	Mobil Oil Co. Ltd.	<i>UK</i>
MODEC	Mitsui Ocean Development & Engineering Co., Ltd.	<i>Japan</i>
MOL	Magyar Olaj es Gasipari Reszvenytarsasag (Hungarian Oil & Gas Co. Ltd.)	<i>Hungary</i>
MPAL	Magellan Petroleum Australia Ltd.	<i>Australia</i>
MPC	Misr Petroleum Company	<i>Egypt</i>
MPDC	Mitsubishi Petroleum Development Co. Ltd.	<i>Japan</i>
MPL	Murco Petroleum Limited	<i>UK</i>
MRPM	Bureau de Recherches et de Participations Minieres Morocco	<i>Morocco</i>
MTA	General Directorate of Mineral Research & Exploration	<i>Turkey</i>
MWV	Assoc. of the German Petroleum Industry (Mineralolwirtschaftsverband)	<i>Germany</i>
NAFTAL	Entreprise Nationale de Raffinage et de Distribution des Produits Petroliers	<i>Algeria</i>
NAFTEC	Refining subsidiary of SONATRACH	<i>Algeria</i>
NAFTOGAZ	Centre de Developpement et d'Application des Techniques Petrolieres et Gaieres	<i>Algeria</i>
NAM	Nederlandse Aardolie Mij BV	<i>Netherlands</i>
NAMCOR	National Petroleum Corp. of Namibia	<i>Namibia</i>
NATREF	National Petroleum Refiners of South Africa (Pty) Ltd.	<i>South Africa</i>

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Abbreviations for Companies, Associations, & Organizations

NDC	National Drilling Co.	<i>Abu Dhabi</i>
NDSM	Nederlandse Dok en Scheepsbouw Maatschappij	<i>Netherlands</i>
NEREFCO	Netherlands Refining Co.	<i>Netherlands</i>
NETG	Nordrheinische Erdgastransport GmbH	<i>Germany</i>
NETRA	Norddeutsche Erdgas Transversale & Co.	<i>Germany</i>
NGI	Norge Geotekniske Institut	<i>Norway</i>
NGSCO	National Shipping Co.	<i>Abu Dhabi</i>
NGV	Natural Gas Vehicles Company	<i>Egypt</i>
NIDOCO	Nile Delta Oil Company	<i>Egypt and others</i>
NIGC	National Iranian Gas Company	<i>Iran</i>
NIOC	National Iranian Oil Co.	<i>Iran</i>
NIPC	National Iranian Petrochemical Company	<i>Iran</i>
NIRPDC	National Iranian Refining & Petroleum Products Distribution Co.	<i>Iran</i>
NKTA	West Kazakhstan Territorial Administration for Natural Resource Protection	<i>Kazakhstan</i>
NLNG	Nigerian LNG	<i>Nigeria</i>
NMS	National Marine Service Co.	<i>Abu Dhabi</i>
NNPC	National Petroleum Construction Co.	<i>Abu Dhabi</i>
NNPC	Nigerian National Petroleum Corp.	<i>Nigeria</i>
NOC LIBYA	National Oil Company (Libya)	<i>Libya</i>
NOCK	National Oil Corporation of Kenya Ltd.	<i>Kenya</i>
NODCO	National Oil Distribution Co.	<i>Qatar</i>
NOGEPa	Netherlands Oil & Gas Exploration & Production Assoc.	<i>Netherlands</i>
NP	Trinidad & Tobago National Petroleum Marketing Co. Ltd.	<i>Trinidad &amp; Tobago</i>
NPC	National Petroleum Company	<i>Barbados</i>
NPC	Nasr Petroleum Co.	<i>Egypt</i>
NPD	Norwegian Petroleum Directorate	<i>Norway</i>



NPIC	National Petrochemical Industrialization Co.	<i>Saudi Arabia</i>
NWO	Nord-West Oelleitung GmbH	<i>Germany</i>
NZOG	New Zealand Oil and Gas Ltd.	<i>New Zealand</i>
OAPEC	Organization of Arab Petroleum Exporting Countries	—
OCENSA	Oleoducto Central S.A.	<i>Colombia</i>
OCIMF	Oil Companies International Marine Forum	—
OEA	Operaciones Especiales Argentinas	<i>Argentina</i>
OECD	Organization for Economic Cooperation & Development	—
OEP	Organization for Energy Planning	<i>Egypt</i>
OGDC	Oil and Gas Development Corp.	<i>Pakistan</i>
OGON	Onroerend Goed Oranje-Nassau NV	<i>Netherlands</i>
OGP	International Assoc. Of Oil & Gas Producers	<i>UK</i>
OILINVEST	Intl. Arm of NOC Libya	<i>Libya</i>
OKGT	Hungarian National Oil & Gas Trust	<i>Hungary</i>
OKIOC	Offshore Kazakhstan Intl. Operating Co.	<i>Kuwait</i>
OLADE	Organization Latinoamericana de Energia	<i>Ecuador</i>
OLECASA	Oleoductos Canarios S.A.	<i>Spain</i>
OLF	Norwegian Oil Industry Assoc.	<i>Norway</i>
OMNIS	Office des Mines Nationales et des Industries Strategiques (formerly Office Militaire National Pour Les Industries Strategiques)	<i>Madagascar</i>
OMV	Oesterreichische Mineraloelverwaltung A.G.	<i>Austria</i>
ONACO	Orenburg Oil Company	<i>Russia</i>
ONAREP	Office National des Recherches et d'Exploitations Petrolieres (Moroccan National Oil Co.)	<i>Morocco</i>

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Abbreviations for Companies, Associations & Organizations

ONE	Oranje-Nassau Energie	<i>Netherlands</i>
ONEPM	Oranje-Nassau Energy Participate	<i>Netherlands</i>
ONGC	Oil and Natural Gas Commission	<i>India</i>
OPAB	Oljepropektering AB	<i>Sweden</i>
OPC	Oriental Petrochemicals Company	<i>Egypt</i>
OPEC	Organization of Petroleum Exporting Countries	—
OPECNA	OPEC News Agency	<i>OPEC</i>
OPITO	Offshore Petroleum Industry Training Organization	<i>UK</i>
ORL	Oil Refineries Ltd.	<i>Israel</i>
OSL	Oil Search Ltd.	<i>New Guinea</i>
OSO	Oil, Gas & Petrochemicals Supplies Office	<i>UK</i>
PAJ	Petroleum Assoc. of Japan	<i>Japan</i>
PAN ANDEAN	Pan Andean Resources plc	<i>UK</i>
PARCO	Pak-Arab Refinery	<i>Pakistan/Abu Dhabi</i>
PAS	Petroleum Air Services Company	<i>Egypt</i>
PC	Perez Comerc	<i>Argentina</i>
PCJ	Petroleum Corp. of Jamaica	<i>Jamaica</i>
PCK	Petrolchemie und Kraftstoffe AG Schwedt	<i>Germany</i>
PDB	Petronas Dagangan Bhd.	<i>Malaysia</i>
PDO	Petroleum Development Oman	<i>Oman</i>
PDV	Petroleos de Venezuela (also PDVSA)	<i>Venezuela</i>
PDVSA	Petroleos de Venezuela	<i>Venezuela</i>
PEMEX	Petroleos Mexicanos	<i>Mexico</i>
PEQUIVEN	Petroquimica de Venezuela	<i>Venezuela</i>
PERMAGO	Perforaciones Marinas del Golfo S.A.	<i>Mexico</i>
PERSERO	PT Perusahaan Gas Negara	<i>Indonesia</i>
PERTAMINA	Perusahaan Pertambangan Minyak dan Gas Bumi Negara (Indonesian State Oil and Gas Enterprise)	<i>Indonesia</i>



PERUPETRO	Peru Petro S.A.	<i>Peru</i>
PESGB	Petroleum Exploration Society of Great Britain	<i>UK</i>
PETRESA	Petroquimica Espanola, S.A.	<i>Spain</i>
PETROBANGLA	Bangladesh Oil, Gas & Mineral Corporation	<i>Bangladesh</i>
PETROBEL	Belayim Petroleum Co.	<i>Egypt</i>
PETROBRAS	Petroleo Brasileiro, S.A.	<i>Brazil</i>
PETROCAN	Petroleos de Canarias	<i>Spain</i>
PETROCI	Societe Nationale d'Operations Petrolieres de la Cote d'Ivoire	<i>Cote d'Ivoire</i>
PETROCOMMERCIAL	Empresa Estatal de Comercializacion y Transporte de Petroles del Ecuador	<i>Ecuador</i>
PETROECUADOR	Petroleos de Ecuador	<i>Ecuador</i>
PETROGAB	Societe Nationale Petroliere—PETROGAB	<i>Gabon</i>
PETROGAL	Petroleos de Portugal	<i>Portugal</i>
PETROGAS	Petroleum Gas Co.	<i>Egypt</i>
PETROJET	Petroleum Projects and Technical Consultations Co.	<i>Egypt</i>
PETROGUIN	National Petroleum Co. of Guinea- Bissau (formerly PETROMINAS)	<i>Guinea-Bissau</i>
PETROINDUSTRIAL	Empresa Estatal de Industrializacion de Petroles del Ecuador	<i>Ecuador</i>
PETROJAM	Petroleum Corporation of Jamaica	<i>Jamaica</i>
PETROKEMYA	Arabian Petrochemical Co.	<i>Saudi Arabia</i>
PETROL	Petrol, A Slovene Oil Company	<i>Slovenia</i>
PETROM	Petrom RA	<i>Romania</i>
PETROMED	Petroleos del Mediterraneo	<i>Spain</i>
PETROMIN	General Petroleum and Mineral Organization	<i>Saudi Arabia</i>

PETROMINAS	Empresa Nacional de Pesquisa e Exploracao Petroliferas e Mineras EP (now PETROGUIN)	<i>Guinea-Bissau</i>
PETROMOC	Empresa Nacional Petroles de Moçambique	<i>Mozambique</i>
PETRON	Petron Corporation (PNOC/Saudi Aramco partnership)	<i>Philippines</i>
PETRONAS	Petroliam Nasional Bhd.	<i>Malaysia</i>
PETRONET	Petronet India Ltd.	<i>India</i>
PETRONIC	Empresa Nicaraguense del Petroleo	<i>Nicaragua</i>
PETRONOR	Petroleos del Norte, S.A.	<i>Spain</i>
PETROPAR	Petroleos Paraguayos	<i>Paraguay</i>
PETROPERU	Petroleos del Peru	<i>Peru</i>
PETROPRODUCTION	Empresa Estatal de Exploration y Produccion de Petroleos del Ecuador	<i>Ecuador</i>
PETROQUISA	Petrobras Quimica S.A.	<i>Brazil</i>
PETROREP	Societe Petroliere de Recherches Dans La Region Parisienne	<i>France</i>
PETROSEN	Societe Nationale des Petroles du Senegal	<i>Senegal</i>
PETROSUR	Petroleos del Sur S.A.	<i>Spain</i>
PETROTRIN	Petroleum Company of Trinidad & Tobago Ltd.	<i>Trinidad &amp; Tobago</i>
PETROVIETNAM	Vietnam Oil and Gas Company	<i>Vietnam</i>
PETROZAIRE	Entreprise Petroliere du Zaire	<i>Zaire</i>
PGNIG	Polish Oil and Gas Co.	<i>Poland</i>
PIP	Phillips-Imperial Petroleum Ltd.	<i>UK</i>
PNOC	Philippine National Oil Company	<i>Philippines</i>
POAS	TPAO Marketing Subsidiary	<i>Turkey</i>
POHOL	Private Oil Holdings Oman Ltd.	<i>Oman</i>
POLICOLSA	Poliiolefinas Colombianas S.A.	<i>Colombia</i>
PORMINER	Promotora de Minmercados S.A.	<i>Spain</i>



PORTGAS	Sociedad de Producao e Distribucion de Gas S.A.	<i>Portugal</i>
PPC	Petroleum Pipelines Company	<i>Egypt</i>
PPL	Pakistan Petroleum Ltd.	<i>Pakistan</i>
PROAS	Productos Asfalticos S.A.	<i>Spain</i>
PRODESA	Productos de Estireno, S.A. de C.V.	<i>Mexico</i>
PROPEL	Produtos de Petroleo Lda.	<i>Portugal</i>
PROTEXA	Construcciones Protexa, S.A. de C.V.	<i>Mexico</i>
PSO	Pakistan State Oil Company Ltd.	<i>Pakistan</i>
PTB	Belayim Petroleum Company—PETROBEL	<i>Egypt</i>
PTIT	Petroleum Institute of Thailand	<i>Thailand</i>
PTSI	PT Stanvac Indonesia	<i>Indonesia</i>
PTT	Petroleum Authority of Thailand	<i>Thailand</i>
PTTEP	PTT Exploration & Production Public Co. Ltd.	<i>Thailand</i>
PTTEPI	PTTEP International Ltd.	<i>Thailand</i>
PTTEPO	PTTEP Offshore Investment Co. Ltd.	<i>Thailand</i>
QATARGAS	Qatar Liquefied Gas Co. (consortium)	<i>Qatar</i>
Q-CHEM	Qatar Chemical Corp.	<i>Qatar</i>
QGPC	Qatar General Petroleum Corporation	<i>Qatar</i>
Q THERM	Queensland Department of Energy	<i>Australia</i>
QUIMAR	Quimica del Mar, S.A.	<i>Mexico</i>
RAG	Rohol-Aufsuchungs AG	<i>Austria</i>
RAMCO	Ramco Energy plc	<i>UK</i>
RASGAS	Ras Laffan LNG Co. (consortium)	<i>Qatar</i>
RASHPETC	Rashed Oil Company	<i>Egypt and others</i>
RASIOM	Raffinerie Siciliane Olii Minerali	<i>Italy</i>
REGANOSA	Regasification subsidiary of SONATRACH	<i>Algeria</i>
REPSOL	Repsol S.A. (formerly "Hispanoil") (see Repsol-YPF)	<i>Spain</i>
REPSOL-YPF	Former Hispanoil (Spain) & YPF (Argentina)	<i>Spain</i>
RESISA	Resinas Sinteticas S.A.	<i>Spain</i>

ROSKOMNEDRA

	Ministry of Fuel & Energy for the Russian Federation	<i>Russia</i>
RPC	Refineria de Petroleo Concon S.A.	<i>Chile</i>
RPL	Reliance Petroleum Ltd.	<i>India</i>
RRP	NV Rotterdam-Rijn Pijpleiding Mij	<i>Netherlands</i>
RSO	Red Sea Oil Corporation	<i>Tanzania</i>
RWE-DEA	RWE(=Rheinische-Westfalische Electrzzitatwerk AG)-DEA AG fur Mineraloel und Chimie	<i>Germany</i>
SAAGA	Sociedad Acoreana de Armazenagem de Gas S.A.	<i>Portugal</i>
SABIC	Saudi Arabia Basic Industries Corporation	<i>Saudi Arabia</i>
SADCOP, MAHRUKAT	Syrian Storing and Distributing Co., Petroleum Products	<i>Syria</i>
SAFAF	Saudi Petrochemical Co.	<i>Saudi Arabia</i>
SAGA	Saga Petroleum AS	<i>Norway</i>
SAGE	Scottish Area Gas Evacuation Pipeline System	<i>UK</i>
SAMREF	Saudi Aramco Mobil Refinery Co. Ltd.	<i>Saudi Arabia</i>
SAPIA	South African Petroleum Industry Assoc.	<i>South Africa</i>
SAR	Societe Africaine de Raffinage	<i>Senegal</i>
SARAS	Saras S.p.A. Raffinerie Sarde	<i>Italy</i>
SARPI	Ste. Algerienne pour la Reparation des Pipelines	<i>Algeria</i>
SARPOM	Societa Azionaria Raffinazione Olli Minerali	<i>Italy</i>
SASOL	South African Coal, Oil and Gas Corp. Ltd.	<i>South Africa</i>



SASREF	Saudi Aramco Shell Refinery Co.	<i>Saudi Arabia</i>
SAUDI ARAMCO	Saudi Arabian Oil Company	<i>Saudi Arabia</i>
SCANRAFF	Skandinaviska Raffinaderi AB	<i>Sweden</i>
SCPC	Saudi Chevron Petrochemical Corp.	<i>Saudi Arabia</i>
SCPM	Supreme Council for Petroleum & Minerals	<i>Saudi Arabia</i>
SECA	Societe Europeenne des Carburants	<i>Belgium</i>
SECWA	State Energy Commission of Western Australia	<i>Australia</i>
SEDIGAS	Sociedad para el Estudio y Desarrollo de la Industria del Gas S.A.	<i>Spain</i>
SEREPCA	Societe Elf de Recherches et d'Exploitation des Petroles au Cameroun	<i>Cameroon</i>
SETG	Suddeutsche Erdgastransport GmbH	<i>Germany</i>
SGF	Societe Geologique de France	<i>France</i>
SH	Saarberg Handel GmbH	<i>Germany</i>
SHARQ	Eastern Petrochemical Co.	<i>Saudi Arabia</i>
SHELL	Royal Dutch/Shell Group	<i>Netherlands/UK</i>
SICP	Suez Oil Company	<i>Egypt and others</i>
SINOPEC	Chinese Petroleum and Chemical Corporation	<i>China</i>
SIPC	Saudi International Petrochemicals Co.	<i>Saudi Arabia</i>
SIPETROL	Sociedad Internacional Petrolera S.A.	<i>Chile</i>
SIR	Societe Ivoirienne de Raffinage	<i>Cote d'Ivoire</i>
SIRIM	Standards & Industrial Research Institute of Malaysia	<i>Malaysia</i>
SKTA	South Kazakhstan Territorial Administration for Natural Resource Protection	<i>Kazakhstan</i>
SLPRC	Sierra Leone Petroleum Refining Co. Ltd.	<i>Sierra Leone</i>

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Abbreviations for Companies, Associations, & Organizations

SMR	Societe Malgache de Raffinage	<i>Madagascar</i>
SNH	Societe Nationale des Hydrocarbures	<i>Cameroon</i>
SNOC	Seychelles National Oil Co. Ltd.	<i>Seychelles</i>
SOC	Sirte Oil Company	<i>Libya</i>
SOCAR	State Oil Company of the Azerbaijan Republic	<i>Azerbaijan</i>
SOCDET	Sydney Oil Co. Drilling & Exploration	<i>Australia</i>
SOCIR	Societe Congo-Italienne de Raffinage	<i>Dem. Rep. of the Congo</i>
SOGARA	Societe Equatoriale de Raffinage	<i>Gabon</i>
SOGUIP	Societe Guineane de Petroles	<i>Guinea</i>
SOMALGAZ	Societe Mixte Algerienne de Gaz	<i>Algeria</i>
SONACOL	Sociedad Nacional de Oleoductos Ltda.	<i>Chile</i>
SONACPP	Societe Nationale de Commercialisation des Produits Petrolieres	<i>Benin</i>
SONANGOL	Sociedade Nacional de Combustiveis Sonangol	<i>Angola</i>
SONATRACH	Entreprise Nationale Sonatrach	<i>Algeria</i>
SONELGAZ	Societe Nationale d'Electricite et du Gaz	<i>Algeria</i>
SONIDEP	Societe Nigerienne de Produits Petroliers	<i>Niger</i>
SONPETROL	Sondeos Petroliferos, S.A.	<i>Spain</i>
SOPC	Suez Oil Processing Company	<i>Egypt</i>
SOPOR	Sociedad Distribuidora de Cumbustiveis S.A.	<i>Portugal</i>
SOQUIP	Societe Quebecoise d'Initiatives Petrolieres	<i>Canada</i>
SOR	Sharjah Oil Refining Co. Ltd.	<i>Emir. of Sharjah</i>
SOTRAL	Societe de Transport d'Arzewes	<i>Algeria</i>
SPC	Syrian Petroleum Co.	<i>Syria</i>
SPC	Singapore Petroleum Company Ltd.	<i>Singapore</i>
SPC	Societe Cherifienne des Petroles	<i>Morocco</i>
SPC BVI	Sonatrach Petroleum Corp.	<i>British V.I.</i>
SPE AB	Svenska Petroleum Exploration AB	<i>Sweden</i>

SPI	Svenska Petroleum Institutet och Oljebolagen I Sverige	<i>Sweden</i>
SPI	Societe Petrolifera Italiana	<i>Italy</i>
SPIC	Southern Petrochemical Industries Corp. Ltd.	<i>India</i>
SPL	Shell Pakistan ltd.	<i>Pakistan</i>
SPL	Saudi Petroleum Ltd.	<i>Saudi Arabia</i>
SPLSE	Societe du Pipe-Line Sud Europeen	<i>France</i>
SPOL	Saudi Petroleum Overseas Ltd.	<i>Saudi Arabia</i>
STAATSOLIE	Staatsolie Maatschappij Suriname NV (State Oil Co. Suriname NV)	<i>Suriname</i>
STATOIL	Den Norske Stats Oljeselskap AS	<i>Norway</i>
STEG	Societe Tunisienne d'Electricite et de Gaz	<i>Tunisia</i>
SUCO	Suez Oil Company	<i>Egypt</i>
SUMED	Arab Petroleum Pipelines Co.	<i>Egypt &amp; others</i>
SUT	Society for Underwater Technology	<i>UK</i>
SYCOPOL	Oil Spill Control Assoc. of France	<i>France</i>
TAL	Deutsche Transalpine Oelleitung GmbH	<i>Germany</i>
TAL AUSTRIA	Transalpine Olleitungin Oesterreich GmbH	<i>Austria</i>
TAMOIL	Subsidiary of NOC Libya	<i>Libya</i>
TAMSA	Tubos de Acero de Mexico, S.A.	<i>Mexico</i>
TATNEFT	Tatneft	<i>Tatarstan, Russia</i>
TATSA	Tanques de Acero Trinity, S.A.	<i>Mexico</i>
TECHINT	Compania Technica Internacional	<i>Brazil</i>
TENP	Trans Europa Naturgas Pipeline GmbH	<i>Germany</i>
TEPSA	Terminales Portuadias S.A.	<i>Spain</i>
TEXSPAIN	Texaco (Spain) Inc.	<i>Spain</i>
TMPC	Transmediterranean Pipeline Co. Ltd.	<i>Algeria</i>
TNK	Tyumenskaia Neftianaia Kompania (Tyumen Oil Company)	<i>Russia</i>

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Abbreviations for Companies, Associations, & Organizations

TOM	Total Oil Marine plc	<i>UK</i>
TOP	Tedcastles Oil Products Ltd.	<i>Ireland</i>
TOR	Tema Oil Refinery	<i>Ghana</i>
TORC	Thai Oil Refinery Co.	<i>Thailand</i>
TOTAL	Total Fina Elf (merger of former CFP, PetroFina, Elf Aquitaine)	<i>France</i>
TPAO	Turkish Petroleum Corp. (Turkiye Petrolleri Anonim Ortakligi)	<i>Turkey</i>
TPDC	Tanzanian Petroleum Development Corp.	<i>Tanzania</i>
TPIC	Turkish Petroleum International Company Ltd.	<i>Turkey</i>
TPOC	Turkish Petroleum Overseas Company	<i>Turkey</i>
TRANSMED	Transmediterranean Pipeline Co. Ltd. (also TNPC)	<i>Algeria</i>
TRAPIL	Societe des Transports Petroliers Par Pipeline	<i>France</i>
TUMAS	Turkish Engineering Consultancy & Contracting Corp.	<i>Turkey</i>
TUPRAS	Turkiye Petrol Rafinerileri A.S.	<i>Turkey</i>
UCSIP	Union des Chambres Syndicales de l'Industrie du Petrole	<i>France</i>
UFIP	Union Francaise des Industries Petrolieres	<i>France</i>
UIE	Union Industrielle et d'Entreprise	<i>France</i>
UKOOA	UK Offshore Operators' Assoc. Ltd.	<i>UK</i>
UKPIA	UK Petroleum Industry Assoc. Ltd.	<i>UK</i>
URAG	Unterweser Reederei GmbH	<i>Germany</i>
VEBA	Veba Oel	<i>Germany</i>
VELA	Vela International Marine Ltd.	<i>Saudi Arabia</i>
VITOL	Vitol and global subsidiaries	<i>Netherlands</i>
VOST	Veba Oil Supply and Trading GmbH	<i>Germany</i>
WAPET	West Australian Petroleum Pty. Ltd.	<i>Australia</i>
WEC	World Energy Council	<i>UK</i>



WEG	Wirtschaftsverband Erdol und Erdgasewinnung e.V.	<i>Germany</i>
WEPCO	Western Desert Petroleum Company	<i>Egypt</i>
WKTANRP	West Kazakhstan Territorial Administration for Natural Resource Protection	<i>Kazakhstan</i>
WOC	Wahe Oil Company	<i>Libya</i>
WPC	World Petroleum Congresses	<i>UK</i>
WTO	World Trade Organization	—
XPGC	Xiamen Petroleum Group Co. Ltd.	<i>China</i>
YANPET	Saudi Yanbu Petrochemical Co.	<i>Saudi Arabia</i>
YPC	Yemen Petroleum Company	<i>Yemen</i>
YPF	YPF S.A. (formerly Yacimientos Petroliferos Fiscales of Argentina) (see Repsol-YPF)	<i>Spain</i>
YPFB	Yacimientos Petroliferos Fiscales Bolivianos	<i>Bolivia</i>
YUKONG	S K Corporation	<i>Korea</i>
YUKOS	Derived from YUganskneftegas+ KuibishevnefteOrgSintez	<i>Russia</i>
ZADCO	Zakum Development Co.	<i>Abu Dhabi</i>
ZAO BNK	CJSC Baltiskaya Nefteprevalochnaya Kompaniya	<i>Russia</i>
ZRCC	Zhenhai Refining & Chemical Co. Ltd.	<i>China</i>

# Miscellaneous Information and Symbols

## Common Oilfield Spellings

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### A

about-face  
aboveground  
acknowledgement  
acre-feet  
aeration  
aftercooler  
aftertreat  
afterwash  
air flow (n, adj)  
airfoil  
air line  
airtight  
alumna – s fem.  
alumnae – pl gem.  
alumnus – s masc.  
alumni – pl masc.  
anti-icer

### B

Backflow  
Backlight  
Back off  
Back pressure  
Backup (adj)  
Backwash  
Backwater

Base line  
Baseplate  
Behavior  
Belowground  
Bench mark  
Bench scale  
Blow-by  
Blowdown  
Blowout  
Boil off  
Borehole  
Bottom hole  
Breakaway  
Breakdown  
Break-even (adj)  
Break even (v)  
Breakout  
Breakpoint  
Breakthrough  
Breakup (n)  
Break up (v)  
Briquette  
Bubble cap  
Buildup (n)  
Build-up (adj)  
Build up (v)



Built in  
Burn-off  
Burnout (n)  
Burnup (n)  
Bypass  
Byproduct

**C**

Caribbean  
carry-over  
casinghead  
center line  
changeable  
change out (v)  
changeover  
channeling  
charge stock  
checklist  
check-out (adj)  
check out (v)  
checkpoint  
city-wide  
classroom  
Cleanout  
Cleanup (n)  
Clean up (v)  
Cleanup (adj)  
Clear-cut  
Close up (v)  
Close-up (n, adj)  
Closeout  
Coastline  
Commitment  
commingle

controlling  
controlled  
co-op  
co-owner  
coproduct  
counterbalance  
counterbattery  
countercurrent  
counterflow  
country-wide  
crisscross  
criterion – s  
criteria – pl  
cross- bedding  
cross-country  
cross flow  
crosshead  
crossover  
cross plot  
cross-reference  
cross section  
cutdown  
cutoff  
cutout  
cut point  
cycle oil

**D**

datum – s  
data – pl  
deadman  
dead time  
deadweight  
deepwater (adj)

deep water (n)  
 de-ethanizer  
 desiccant  
 desirable  
 dew point  
 doghouse  
 dogleg  
 double-jointed  
 downdip  
 downdrag  
 downflow  
 downgrade  
 downhole  
 downstream  
 downthrown  
 downtime  
 drawdown  
 drawoff (n)  
 drawworks  
 drill bit  
 drill collar  
 drillhead  
 drillpipe  
 drillship  
 drillsite  
 drillstem  
 drillstock  
 drillstring  
 drumhead

**E**

edgewise  
 end point  
 en route

**F**

face-lifting  
 fail-safe  
 falloff  
 farmin (n)  
 farmout (n)  
 feedback  
 feed rate  
 feedstock  
 feedwater  
 fiberglass  
 fieldman  
 fill-up  
 fireflood  
 firebox  
 fire wall  
 firewater (n)  
 flatbed  
 flier  
 flow-control  
 flow line  
 flowmeter  
 flywheel  
 foam glass  
 follow- up  
 forklift  
 formula  
 formulas  
 fourfold  
 freeze-up  
 freshwater (adj)  
 frost line  
 full time

**G**

gamma ray  
gas oil  
gearbox  
gearshift  
grassroots  
gray  
ground line  
groundwater  
guesswork  
guideline

**H**

halfway  
hammerblow  
handwritten  
hardback  
headlong  
hold-down  
holdup  
homemade  
hookup

**I**

in between (v)  
in-between (n, adj)  
industry- wide  
infill  
inflow (n)  
in-line  
inrush  
iso-octane (no other "iso"  
words)

**J**

jackknife  
jackup (n)  
jack up (v)  
jobsite  
judgment

**K**

kerosene  
know-how  
knockout  
knowledgeable

**L**

landfill  
landmass  
lay barge  
laydown (n)  
lay-down (adj)  
lay down (v)  
leakoff  
leakproof  
left-hand  
lengthways  
letdown  
lightweight  
lineup (n)  
line up (v)  
linkup (n)  
link up (v)  
lowboy  
lockout

**M**

main line  
mainstream

makeup  
 manageable  
 man-day  
 man-hour  
 man-year  
 mathematics  
 measurable  
 Mediterranean  
 Midcontinent  
 Mideast  
 midyear  
 mile-wide  
 millsite  
 multimillion-dollar  
 minable  
 modeling  
 mountainside  
 mousehole  
 movable  
 mud cake  
 mud line

**N**

nationwide  
 nearby  
 non-communist  
 noticeable

**O**

observable  
 oceanfront  
 offgas  
 off-line  
 off-loading  
 off site

offtake  
 oil field (n)  
 oilfield (adj)  
 oilman  
 oil well (n)  
 oil-well (adj)  
 onshore  
 on site (n)  
 on stream (n)  
 open Hole  
 outfall  
 overall  
 overhead  
 overpressure  
 overnight  
 override

**P**

paperback  
 passthrough  
 payout  
 percent  
 phaseout  
 pickup  
 piggyback  
 pinchout  
 pipelay  
 pipelaying  
 pipelayer  
 pipeline  
 pipe rack  
 pipe still  
 powerhouse  
 predominant

printout  
 proof-test  
 pullout (n, adj)  
 pull out (v)  
 push button

**R**

rainwater  
 rathole  
 readout  
 realizable  
 real time  
 reconnaissance  
 reentry  
 removable  
 right-of-way  
 rig-up (n)  
 rig up (v)  
 ringwall  
 riprap  
 roundoff  
 round trip  
 runback  
 rundown (n)  
 run down (v)  
 run-down (adj)  
 run forward  
 runoff

**S**

salable  
 saltwater (adj)  
 salt water (n)  
 salvageable  
 sandblasting

Scale-up  
 Seabed  
 sealift  
 seawater  
 second hand (n)  
 secondhand (adj)  
 sendout  
 set point  
 setup (n)  
 severalfold  
 shipshape  
 shipside  
 shipyard  
 shoreline  
 shortcut  
 shortsighted  
 shortwave  
 shot hole  
 shot point  
 shut down (v)  
 shutdown (n, adj)  
 shut in (v)  
 shutin (n, adj)  
 shutoff (adj)  
 side boom  
 side cut  
 side draw  
 side stream  
 sidetrack  
 sidewall  
 sizable  
 slack line  
 slip joint  
 slipstream

slow-up  
 soleplate  
 spanwise  
 spectrum – s  
 spectra – pl  
 spot-check  
 standby  
 standoff  
 standpipe  
 standpoint  
 standpost  
 standstill  
 start-up (n, adj)  
 start up (v)  
 steamflood  
 steam line  
 step-out (n)  
 step-up (n, adj)  
 stepwise  
 straightforward  
 straight-run  
 stratum – s  
 strata – pl  
 stiffleg  
 stopgap  
 subpoena  
 superheat  
 switchgear

**T**

tailor-made  
 takeoff  
 takeover  
 take-up

tank car  
 tank truck  
 teardown  
 tie-in  
 tie-down  
 titleholder  
 toolpusher  
 toss-up  
 towline  
 trademark  
 trade name  
 trade off  
 trade out  
 transatlantic  
 traveling  
 trouble-free  
 troubleshoot  
 trunk line  
 turn down (v)  
 turndown (n, adj)  
 turnkey

**U**

ultraviolet  
 underwater  
 underway  
 updip  
 upflow  
 upstream  
 up-to-date  
 usable

**W**

warm-up (adj)  
 washout



waste water  
water-cooled  
water cut  
waterflood  
waterhead  
waterline  
waterside  
watertight  
waveform  
wave front  
wavelength  
weathertight  
wellhead  
wellbore  
wellsite  
wellstream  
wet out

whipstock  
windblow  
wind-chill (adj)  
wireline  
workboat  
workbox  
work load  
workover (n, adj)  
work over (v)  
worldwide  
wraparound

**X**

X-ray

**Y**

year-end

## **API Standard Oil-Mapping Symbols**

---

- Location
- erase symbol Abandoned location
- <sup>+</sup> Dry Hole
- Oilwell
- <sup>+</sup> Abandoned oil well
- <sup>+</sup> Distillate well
- <sup>+</sup> Abandoned distillate well
- <sup>+</sup> Dual completion—oil
- <sup>+</sup> Dual completion—gas
- <sub>w</sub> Drilled water-input well
- <sub>w</sub> Converted water-input well
- <sub>g</sub> Drilled gas-input well
- <sub>g</sub> Converted gas—input well
- <sup>⋯</sup><sub>x</sub> Bottom-hole location  
(x indicates bottom of hole. Changes in well status should be indicated as in symbol above)
- ⊕ Salt water disposal well

Courtesy American Petroleum Institute, Division of Production

## **Mathematical Symbols and Signs**

+	plus	$\therefore$	there
-	minus	$\because$	because
$\pm$	plus or minus	:	is to, divided by
$\times$	multiplied by	$\therefore$	as; equals
.	multiplied by	$\doteq$	geometrical proportion
$\div$	divided by	$\propto$	varies as
/	divided by	$\doteq$	approaches a limit
=	equal to	$\infty$	infinity
$\neq$	not equal to	$\int$	integral
$\approx$	nearly equal to	$d$	differential
$\cong$	congruent to	$\partial$	partial differential
$\equiv$	identical with	$\Sigma$	summation of
$\not\equiv$	not identical with	!	factorial product
$\simeq$	equivalent to	$\pi$	pi (3.1416)
>	greater than	$e$	epsilon (2.7183)
$\nlessgtr$	not greater than	$^{\circ}$	degree
<	less than	'	minute; prime
$\nlessgtr$	not less than	"	second
$\geq$	greater than or equal to	$\sphericalangle$	angle
$\leq$	less than or equal	$\perp$	right angle
$\sim$	difference between	$\perp$	perpendicular
$\doteq$	difference between	$\bigcirc$	circle
-:	difference between	$\frown$	arc
$\sqrt{\quad}$	square root	$\triangle$	triangle
$\sqrt[3]{\quad}$	cube root	$\square$	square
$\sqrt[n]{\quad}$	nth root	$\square$	rectangle

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## Greek Alphabet

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A	$\alpha$	Alpha	N	$\nu$	Nu
B	$\beta$	Beta	$\Xi$	$\xi$	Xi
$\Gamma$	$\gamma$	Gamma	O	$o$	Omicron
$\Delta$	$\delta$	Delta	$\Pi$	$\pi$	Pi
E	$\varepsilon$	Epsilon	P	$\rho$	Rho
Z	$\zeta$	Zeta	$\Sigma$	$\sigma$	Sigma
H	$\eta$	Eta	T	$\tau$	Tau
$\Theta$	$\theta$	Theta	Y	$\upsilon$	Upsilon
I	$\iota$	Iota	$\Phi$	$\phi$	Phi
K	$\kappa$	Kappa	X	$\chi$	Chi
$\Lambda$	$\lambda$	Lambda	$\Psi$	$\psi$	Psi
M	$\mu$	Mu	$\Omega$	$\omega$	Omega

## **Frequently Cited Chemical Abbreviations**

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CFCs	Chlorofluorocarbons
CO	Carbon Monoxide
NOx	A mixture of nitrous oxide and nitrous dioxide
PCBs	Polychlorinated biphenyls
TCDD	tetrachlorobenzo-p-dioxin

## **Frequently Cited Additive Abbreviations**

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ACHL	Alcohol
ACID	Acid
ACIN	Acid Inhibitors
ACRT	Acid Retarders
BIOC	Biocides
BRKR	Breakers
CACL	Calcium Chloride
CLYS	Clay Stabilizers
CO2	Carbon Dioxide
CRIN	Corrosion Inhibitors
DFOM	Defoamers
DISP	Dispersion
DIVA	Diverting Agent
EMUL	Emulsifiers
FECL	Iron Control
FINS	Fines Suspender
FLA	Fluid Loss Agent
FRDC	Friction Reducers
GELA	Gelling Agents
GELO	Oil Gelling Agent
GLST	Gel Stabilizer
HCL	Hydrochloric Acid
HF	Hydrofluoric Acid
MAPE	Magnesium Pellets
MOTH	Moth Ball
MSLV	Mutual Solvents
NEML	Nonemulsifier
NTGN	Nitrogen
OSCV	Oxygen Scavengers



PFCL	Parrafin Control
PHBF	PH Buffers
PHOS	Phosphate
SALT	Salt
SCIN	Scale Inhibitors
SFAC	Surfactants
TROL	Tretolite
U	Unknown
WGEL	Water Based Gel Systems
WPLY	Water Based Polymers
XLNK	Cross-Linkers

**Frequently Cited Fluids  
Used as Cushion Abbreviations**

AMMON	Ammonia
CO <sub>2</sub>	Carbon Dioxide
MISRUN	Misrun
MUD	Mud
NTGN	Nitrogen
OIL	Oil
OILWTR	Oil and Water
PIPFLR	Pipe Failure
PKRFLR	Packer Failure
REVOUT	Reverse Out
TSTPLG	Tester Plugged
U	Unknown
WTR	Water
WTRNGN	Water and Nitrogen

## **Directional Survey Calculation Methods**

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AA	Angle Averaging
BT	Balance Tangential
CA	Circular Arc
ER	Exact Radius of Curvature
MC	Minimum Curvature
RC	Radius of Curvature
T	Tangential
U	Unknown
VA	Vector Averaging

## **Directional Survey Processing Types**

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- I Interpolated
- M Mixed
- N NonInterpolated

## **Directional Survey Type or Method to Determine Wellbore Path Deviation**

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AB	Acid Bottle
BGT	Borehole Geometry Tool
COMB	Combination Tool (Unspecified)
D	Dipmeter
EMS	Electronic Magnetic Multi-Shot
FMS	Formation Microscanner
G	Gyroscopic
GCT	Guidance Continuous Tool
GMS	Gyroscopic Multi-Shot
MSS	Magnetic Single Shot
MWD	Measured While Drilling
SHDT	Stratagraphic High Resolution Dip Tool
SS	Single-Shot
TO	Totco
U	Unknown
WST	Wireline Steering Tool
GPIT	General Purpose Inclinator Tool
GSS	Gyroscopic Single-Shot
GYRF	Finder Gyroscopic
GYRP	Pygmy Gyroscopic
GYRR	Unspecified Rate Gyroscopic
HDTD	High Resolution Dip Tool
HDTG	High Resolution Dip Tool
HDTS	High Resolution Dip Tool
HRD	High Resolution Dip Tool
M	Magnetic
MMS	Magnetic Multi-Shot
MS	Multishot

## **Lithology Abbreviations**

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AN	Anhydrite	LS	Limestone
AS	Ash	MR	Marlstone
CG	Conglomerate	MV	Massive
CH	Chat	NV	Novaculite
CK	Chalk	OL	Oolite
CO	Coal	OT	Other
CT	Chert	PR	Porosity
CY	Clay	QT	Quartzite
DN	Dense	RW	Reworked
DO	Dolomite	SH	Shale
DT	Detrital	SL	Slate
ER	Eroded	SO	Solid
GR	Granite	SS	Sandstone
GW	Granite Wash	UC	Silt
GY	Gypsum	WT	Weathered
HA	Salt	ZN	Zone
LG	Lignite		

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## System Equivalents

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### Metric Systems

**Length**    1 m = 100 cm = 1,000 mm = 0.001 km

**Area**        1m<sup>2</sup> = 10,000 cm<sup>2</sup>

**Volume**    1m<sup>3</sup> = 1,000,000 cm<sup>3</sup> = 1,000,000 mL = 1,000 L

**Mass**        1 kg = 1,000 g  
                  1 kg-mole = 1,000 gm-moles

**Density**    1 kg/m<sup>3</sup> = 0.001 g/cm<sup>3</sup>

### English System

**Length**    1 ft = 12 in. = 0.333 yd = 0.000189 miles  
                  1 mile<sup>2</sup> = 5,280 ft = 1,750 yd

**Area**        1 ft<sup>2</sup> = 144 in.<sup>2</sup>  
                  1 mile<sup>2</sup> = 27,878,400 ft<sup>2</sup>

**Volume**    1 ft<sup>3</sup> = 1728 in.<sup>3</sup> = 0.178 bbl = 0.48 U.S. gal =  
                  6.23 Imp. gal  
                  1 bbl = 5.61 ft<sup>3</sup> = 42 U.S. gal = 34.97 Imp. gal

**Density**    1 lb/gal = 7.48 lb/ft<sup>3</sup> = 42 lb/bbl

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## Metric-English Systems Conversion Factors

### Basic Dimensions

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#### Metric System

<b>Length</b>	meter (m) kilometer (km) centimeter (cm) millimeter (mm)
<b>Area</b>	square meters (m <sup>2</sup> ) square centimeters (cm <sup>2</sup> )
<b>Volume</b>	cubic meters (m <sup>3</sup> ) cubic centimeters (cm <sup>3</sup> ) liters (l) milliliters (ml)
<b>Mass</b>	kilograms (kg) grams (g) gram-moles (gm-moles) kilograms-moles (kg-moles)
<b>Density</b>	kg/m <sup>3</sup> , g/cm <sup>3</sup>

#### English System

<b>Length</b>	inch (in.) foot (ft) yard (yd) mile (mile)
<b>Area</b>	square inches (in. <sup>2</sup> ) square feet (ft <sup>2</sup> ) square miles (miles <sup>2</sup> )



<b>Volume</b>	cubic inches (in. <sup>3</sup> ) cubic feet (ft <sup>3</sup> ) barrels (bbl) U.S. gallons (gal) Imperial gallons (Imp. gal)
<b>Mass</b>	pounds (lb) pound-moles (lb-moles)
<b>Density</b>	pounds per gallon (lb/gal, lb/ft <sup>3</sup> )

## **Basic Conversion Factors**

<b>Length</b>	1 m = 3.281 ft = 39.37 in. 1 ft = 0.305 m = 30.5 cm = 3,050 mm 1 mile = 1.61 km 1 km = 0.621 mile
<b>Area</b>	1 m <sup>2</sup> = 10.76 ft <sup>2</sup> = 1,549 in. <sup>2</sup> 1 ft <sup>2</sup> = 0.0929 m <sup>2</sup> = 929.4 cm <sup>2</sup>
<b>Volume</b>	1 m <sup>3</sup> = 35.32 ft <sup>3</sup> = 6.29 bbl 1 L = 0.035 ft <sup>3</sup> = 61 in. <sup>3</sup> 1 ft <sup>3</sup> = 0.0283 m <sup>3</sup> = 28.31 1 bbl = 0.159 m <sup>3</sup> = 1591
<b>Mass</b>	1 kg = 2.205 lb 1 lb = 0.454 kg = 454 g 1 metric ton = 1,000 kg = 2,205 lb
<b>Density</b>	1 kg/m <sup>3</sup> = 0.0624 lb/ft <sup>3</sup> 1 lb/ft <sup>3</sup> = 16.02 kg/m <sup>3</sup> = 0.01602 g/cm <sup>3</sup> 1 g/cm <sup>3</sup> = 62.4 lb/ft <sup>3</sup>
<b>Force</b>	1 kg force = 2.205 lb force 1 lb force = 0.454 kg force
<b>Work &amp; Heat</b>	1 Btu = 0.252 kilocalories (kcal) 1 kcal = 3.97 Btu
<b>Power</b>	1 kilowatt (kw) = 860 kcal/hr = 3,415 Btu/hr = 1.341 horsepower (hp) 1 hp = 0.746 kw = 641 kcal/hr = 2,545 Btu/hr
<b>Enthalpy</b>	1 kcal/kg = 1.8 Btu/lb 1 Btu/lb = 0.556 kcal/kg



**Pressure**

$$1 \text{ bar} = 14.51 \text{ lb/in.}^2 \text{ (psi)} = 0.987$$

$$\text{atmospheres (atm)} = 1.02 \text{ kg/cm}^2$$

$$1 \text{ kg/cm}^2 = 14.22 \text{ psi} = 0.968 \text{ atm}$$

$$1 \text{ psi} = 0.0703 \text{ kg/cm}^2$$

**Temperature**

$$^{\circ}\text{C} = 0.556 (^{\circ}\text{F} - 32)$$

$$^{\circ}\text{K} = ^{\circ}\text{C} + 273$$

$$^{\circ}\text{F} = 1.8^{\circ}\text{C} + 32$$

$$^{\circ}\text{R} = ^{\circ}\text{F} + 460$$

## **Minerals Management Services (MMS) Two-Digit Area Prefix Standard**

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AB	NG 15-8	HE	Henderson
AC	Alaminos Canyon	HH	Howell Hook
AP	Apalachicola	HI	High Island Area
AT	Atwater	KC	Keathley Canyon
BA	Brazos Area	KW	Key West
BM	Bay Marchand Area	LL	Lloyd
BS	Breton Sound Area	LP	Lighthouse Point (field)
CA	Chandeleur Area	LU	Lund
CC	Corpus Christi	MA	Miami
CD	NG 16-7	MC	Mississippi Canyon
CH	Charlotte Harbor	MI	Matagorda Island Area
CP	Coon Point	MO	Mobile
CS	Chandeleur Sound	MP	Main Pass Area
DC	Desoto Canyon	MQ	Marquesas
DD	Dustin Dome	MU	Mustang Island Area
DT	Day Tortugas	PA	NG 15-9
EB	East Breaks	PB	St. Petersburg
EC	East Cameron Area	PE	Pensacola
EF	NG 16-8	PI	Port Isabel
EI	Eugene Island Area	PL	South Pelto Area
EL	The Elbow	PN	North Padre Island Area
EW	Ewing Bank	PR	Pully Ridge
FM	Florida Middle Ground	PS	South Padre Island
GA	Galveston Area	RK	Rankin
GB	Garden Banks	SA	Sabine Pass (Louisiana)
GC	Green Canyon	SM	South Marsh Island Area
GH	NG 17-12	SP	South Pass Area
GI	Grand Isle Area	SS	Ship Shoal Area
GV	Gainesville	ST	South Timbalier Area



SX	Sabine Pass (Louisiana)
TP	Tarpon Springs
TS	Tiger Shoal
VK	Viosca Knoll
VN	Vernon
VR	Vermilion Area
WC	West Cameron Area
WD	West Delta Area
WP	NG 16-11
WR	Walker Ridge

## **Petrophysical Curve Mneumonics**

The appropriate companies and associations have not established standard abbreviations for the petrophysical segment of the oil and gas industry. The following are for your convenience.

### **Wireline and LWD Curves**

SP	Spontaneous Potential, mV
SPe	Spontaneous Potential edited (spliced, gap filled, environmentally corrected), GAPI
SPN	Spontaneous Potential normalized, mV
GR	Gamma Ray, GAPI
GRe	Gamma Ray edited (spliced, gap filled, environmentally corrected), GAPI
GRN	Gamma Ray normalized, GAPI
RHOB	RHOB, g/cc
RHOBe	RHOB edited, g/cc
NPHI	NPHI, decimal
NPHIe	NPHI edited, decimal
DRES	Deep Resistivity (spliced, gap filled), ohmm
DRESH	Deep Resistivity horizontal, ohmm
MRES	Medium Resistivity, ohmm
MRESH	Medium Resistivity horizontal, ohmm
SRES	Shallow Resistivity, ohmm
SRESH	Shallow Resistivity horizontal, ohmm
DT	Compressional slowness, us/ft
DT_v	Edited vertical compressional slowness, us/ft
Vp	Compressional velocity, km/s
Vp_v	Vertical compressional Vp, km/s
DTS	Shear slowness, us/ft
DTS_v	Edited vertical shear slowness, us/ft
Vs_v	Vertical shear Vs, km/s



CALI	Caliper, inch
CALI1	Four-arm caliper, inch
CALI2	Four-arm caliper, inch
PHITNMR	Total porosity from NMR log, decimal
PHBWNMR	Bound water porosity from NMR log, decimal
KNMR	Air permeability from NMR log, md
RFTPPG	Pore pressure gradient from RFT-type tool (MDT, RCI) lb/g
LOT	Leak-off test result, lb/g
MW	Mud weight, lb/g
BS	Borehole size, inch
PHIT	Total Porosity, decimal
PHIE	Effective Porosity, decimal
Sw	Water Saturation, decimal
PERM	Air Permeability, md
Ko	Oil (Gas) Permeability, md
Vcl	Clay volume fraction, decimal
Vsh	Shale (laminar) volume fraction, decimal
LITH	Lithology code (1, 2, 3, . . .)
PAY	Pay Flag
RES	Reservoir Flag
Vsps	Computed vertical shear Vs, km/s
AI	Acoustic Impedance, g/cc
SI	Shear Impedance, g/cc*km/s
VpVs	Vp/Vs ratio
PPG	Pore pressure gradient, lb/g
FG	Fracture gradient, lb/g

**CORE and SWC Data**

COREPHIT	Core porosity, decimal
COREPERM	Core air permeability, md
COREVCL	Core total clay volume fraction (thin section or XRD), decimal
COREDMD	Core mean grain size from LPSA, $\mu\text{m}$
SWCPHIT	SWC porosity, decimal
SWCDMD	SWC mean grain size from LPSA, $\mu\text{m}$
SWCPERM	Computed SWC air permeability, md

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## **System Requirements**

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### **Windows Version**

- Intel® Pentium® processor
- Microsoft® Windows® 95, Windows®98, Windows NT®\* 4.0 with Service Pack 5 or 6, or Windows 2000 (\*Internet Explorer 4.0.1 or later required for Windows NT users)
- 32 MB of RAM (64 MB recommended)
- 115 MB of available hard-disk space
- CD-ROM drive

### **Macintosh Version**

- PowerPC® processor
- Mac OS software version 8.6\*, 9.0.4, or 9.1 (\*Some features may not be available due to OS limitations)
- 32 MB of RAM (with virtual memory on) (64 MB recommended)
- 105 MB of available hard-disk space
- CD-ROM drive

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## **Installation**

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In order to use this CD ROM you must first have Acrobat® Reader 5.0 installed on your computer. If not, then use the following instructions to run the Acrobat Reader 5.0 auto-install program that is best suited for your operating system.

### **Windows**

- Insert the CD into the CD-ROM drive.
- Click “Start” on the task bar and the select “Run.”
- In the “Run” dialogue box, choose “Browse” and from there open the CD from your CD-ROM drive.
- Double click the Installs folder. Double click on appropriate Install for your operating system. Click “OK” to begin installation.
- Follow the instructions in the Acrobat Reader 5.0 set-up dialogue box. Click “OK.” This installs the necessary files to operate your CD.
- Next, locate the “DD5ED.pdf” file on the CD and double click to begin using this CD

### **Macintosh**

- Insert the CD into the CD-ROM drive.
- Open the CD and double click on the “Install Me First” file. This will cause the auto-install program to begin the installation process. Simply follow the instructions in Reader installer to install the program on your computer.
- Next locate the “DD5ED.pdf” file on the CD and double clock to begin using the CD.

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