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4DS	four dimensional seismic
5-F	five function manipulator
7-F	seven function manipulator

A

A/C	annular connector
A/D	assistant driller
A/L	airlock
A/R	as required
A/W	art work
AADE	American Association of Drilling Engineers
AAPG	American Association of Petroleum Geologists
AAPI	apparent API units
AAV	annulus access valve
ABS	American Bureau of Shipping
abs	absolute (temperature and gravity); abstract
ABT	annulus bore test
ABV	annulus bleed valve
AC	air conditioning
ac	alternating current
ACCP	acceptance
ac-dc	alternating current to direct current
ACFM	actual cubic feet; alternate current field measurement
ACIV	annulus chemical injection isolation valve
ACME	type of thread
ACS	American Chemical Society
ACT	actuator
AD	authorized depth
A-D	analog to digital
ADAPT	adapter

ADCP	acoustic Doppler current profiler
ADJ	adjust
Admin	administration
ADP	acceptance data package
ADR	audit deficiency report
ADS	atmospheric diving system
AES	atmospheric environmental service
AFC	approved for construction; annulus flowline connector
AFD	approved for design
AFE	authorized for expenditure; approved financial expenditure
AFV	annulus flowline valve
AGA	American Gas Association
AGC	automatic gain control
AGU	American Geophysical Union
AHTS	anchor handling tug supply
AI	all iron
AIChE	American Institute of Chemical Engineers
AIME	American Institute of Mining, Metallurgical, and Petroleum Engineers
AIR	average injection rate
AISC	American Institute of Steel Construction
AIT	Analysis and Integration Team
AIV	annulus isolation valve
Al	aluminum
ALARP	as low as reasonably practical
ALF	ammonia leak finder
ALIGN	alignment
ALP	articulated loading platform
AMS	Aerospace Materials Standards
AMV	annulus master valve
ANSI	American National Standards Institute
ANT	antenna
AOL	America On Line

AP	annulus pressure
API	American Petroleum Institute
APPROX	approximate
APR	automatic pressure-responsive safety valve
APS	abandon platform shutdown
AQ	aqueous
AR	appropriations request
ARO	after receipt of order
ARSS	adjustable riser support system
ASA	American Standards Association
ASCE	American Society of Civil Engineering
ASCII	American Standard Code for Information Interchange
ASG	average specific gravity
ASHC	annulus shear closed
ASHO	annulus shear open
ASHRAE	American Society of Heating, Refrigeration, and Air Conditioning Engineers
ASL	approved supplier list
ASME	American Society of Mechanical Engineers
ASNT	American Society for Nondestructive Testing
ASQC	American Society for Quality Control
Assn	association
Assocs	associates
ASSY	assembly
ASTM	American Society for Testing and Materials
ASV	annulus swab valve
ATC	autoclave
AUV	autonomous underwater vehicle
AV	annular velocity; apparent viscosity
AVB	annulus valve block
AVIM	actuator valve internals module
AVL	approved vendor list
A_w	water activity

AWHEM	Association of Wellhead Equipment Manufacturers
AWS	American Welding Society; approved work system
AWV	annulus wing valve
AXOV	annulus crossover valve
AZ _a	apparent azimuth

B

B/d	barrels per day
B/U	backup
BA	bachelor of arts (degree)
BASEEFA	British Approvals Service for Electrical Equipment in Flammable Atmospheres
BATT	battery
BB	barrier box
bb1	barrel
bb1/d	barrels per day
bb1/min	barrels per minute
BBS	bulletin board system; best business solution
Bcf	billion cubic feet
Bcf/d	billion cubic feet per day
BCM	billion cubic meters
BCPD	barrels condensate per day
BD	board
B _e	magnetic field components
BeCu	beryllium copper
BESD	bridge area emergency shutdown
BFE	builder furnished equipment
BGC	baseline gas chromatograph
BHA	bottom hole assembly
Bhd	berhad
Bhn	Brinell hardness number
BHP	bottom hole pressure
BHST	bottom hole static temperature

BHT	bottom hole temperature
Bk	black
Bl	blue
BLD	blade
Bldg	building
Blk	block
Bn	brown
BOD	biochemical oxygen demand; bill of documents
BOE	barrel of oil equivalent
BOM	bill of materials
BOP	blowout preventer
BOPD	barrels of oil per day
BOTT	bottom
B _{oxy}	magnetic field components
BP	British Petroleum
bp	boiling point
BPD	barrels per day
BPV	bypass valve
Br	bronze
BR	build rate
BRG	bearing
BRKT	bracket
Bros.	brothers
BRS	bit run summary
BRU	backup and restore utility
BS	bachelor of science; British Standards
BS&W	basic sediment and water
BSI	British Standards Institute
BSL	below sea level
B _{total}	magnetic field components
Btu	British thermal unit
BTV	bore test valve

BTW	by the way
BUR	buildup rate
BW	Business Week; butt welding ends
BWPD	barrels of water per day
B _y	magnetic field components
B _z	magnetic field components

C

C	carbon; completing
C&EN	Chemical & Engineering News
C ₁	methane
C ₂	ethane
C ₃	propane
C ₄	butane
C ₅	pentane
C ₆	hexane
C ₇	heptane
C ₈	octane
CA	certifying authority
CAB	cabinet
CAD	computer aided design
Cal K	calcareous karst
CALB	calibrate/calibration
CALIBTR	calibrator
CALM	catenary anchor leg mooring
CAM	computer aided manufacturing
CAOF	calculated absolute open flow
CAP	capacitor
CAPEX	capital expenditure
CAR	carrier; corrective action request
CAS	Chemical Abstract Services
CAT	corrective action team

CB	choke bridge
CBE	cost benefit estimate
CBL	cable
CC	cubic centimeters; choke closed
CC Tool	cement cleanout tool
CCH	Commerce Clearing House
CCP	change control panel
CCR	central control room
CCS	camera control station
CCTV	closed circuit television
CCW	counter-clockwise
CD	committee draft
CDC	Center for Disease Control
CDI	cake deposition index
CDR	critical design review
CD-ROM	compact disc - read only memory
CDTM	controlled depth tow method
CEC	cation exchange capacity
CEO	Chief Executive Officer
CER	ceramic
CFO	Chief Financial Officer
cg	centigram
CGA	composite graphics adapter
CGB	completion guidebase
CH	channel
Ch	chalk (reservoir rock)
CHASS	chassis
CHEM	chemical
CI	cast iron; chemical injection; continuous improvement
CICV	chemical injection check valve
CID	chemical injection downhole
CIDV	chemical injection downhole valve

CIF	common interrogation frequency
CIIV	chemical injection isolation valve
CIL	critical items list
CIRC	circuit; circulation
CIS	chemical injection supply
CIT	chemical injection tree
CIU	chemical injection unit
CIV	chemical injection valve
CIWV	chemical injection wing valve
CL	cemented liner; center line
cl; cL	centiliter
cm	centimeter
CMOS	complimentary metal oxide semiconductor
CN	change notice
CNC	computer numerically controlled
CNOPB	Canada Newfoundland Offshore Petroleum Board
CNS	Central North Sea
CNTR	counter
CO	carbon monoxide (chemical formula); choke open; change order
Co.	company
CO ₂	carbon dioxide (chemical formula)
COB	center of buoyancy
COD	chemical oxygen demand
COG	center of gravity
COMM	communication
COMP	computer
CON	continuity
COND	conditioner; conductor
CONN	connector
CONT	contact; control
cont	continued
CONV	convert

COO	Chief Operating Officer
CORP	corporate/corporation
COV	crossover valve
Cp	centipoise
cp	candlepower
CP	cathodic protection
CPLG	coupling
CPU	central processing unit
Cr	chromium
CR	change request; common requirements
CRA	corrosion resistant alloy
CRF	common reply frequency; change request form
CRM	corrosion resistant material
CRT	cathode ray tube
CS	continental shelf; cast steel/carbon steel; center section
CSA	Canadian Standards Association
CSG	casing
CST	capillary suction time
cSt	centistokes
CSU	control and service umbilical
CT	coiled tubing; computerized topography; conventional tree
CTC	coiled tubing cutter
CTF	coiled tubing flowline
CTR	cost, time, and resource
CTRL	control
CTS	chemical transmission system; concentric chamber pressure transmission system
CTZR	centralizer
CU; c.u.	capture unit
cu ft	cubic feet
CUG	computer user group
CV	critical velocity; check valve; choke valve

CVR	cover
CW	Chemical Week; clockwise
CWE	cold water equivalent
CWLS	Canadian Well Logging Society
CWO	completion workover
CWT	critical well team
CXT	conventional X-mas tree
Cyl	cylinder

D

D	Darcy; drilling
D/H	data handler; direct hydraulic
D/S	data sheet
dBA	decibels (sound power level)
DBI	database information
DBL	double
dc	direct current; drill center
dc-dc	direct current to direct current
DCIV	downhole chemical injection valve
DCR	direct current resistance; documentation change request
DCV	directional control valves
DDC	driller's display console
DDCV	deep draft caisson vessel
DDS	drum decanting system
DECOM	decommunicator
degrees C; °C	degrees Centigrade
degrees F; °F	degrees Fahrenheit
DEP	directional electronic probe
DEPT	department
DESC	description
DET	digital event timer

DF	design factor
DFCS	diverless flowline connection system
DFO	documentation for orientation
dg	decigram
DGB	drilling guidebase
DGPS	Digital Global Positioning System
DH	downhole
DHP	downhole pump
DHPT	downhole pressure temperature
DHPTM	downhole pressure temperature monitor
DHPTT	downhole pressure and temperature transducer
DHSV	downhole safety valve
DI	deionized; ductile iron
DIA	diameter
Dist.	district
DIV	division
dkg	decagram
dkm	decameter
dl; dL	deciliter
DLT	double level threshold
DM	digital monitor
dm	decimeter
DMA	dead man anchor
DMC	daily mud cost
DMDS	dimethyl disulfide (sour gas)
DMG	Document Management Group
DMPR	diesel methanol pump room
DMS	Depth Monitoring System
DMT	depth measuring transponder; dual mode transponder
DN	down
DOC	document/documentation
DOD	Department of Defense; diver operated dredge

DOE	Department of Energy
DOM	District Operations Manager
DOS	disk operating system; District Operations Supervisor
DOT	Department of Transportation; Deep Offshore Technology
DP	dual porosity; design pressure; design principles; drill pipe; downhole pressure; dynamically positioned
DPA	development plan application
DPDSV	dynamically positioned dive support vessel
DPLIM	dynamically positioned longitudinal inspection module
DPSV	downhole production safety valve
DQT	design qualification test
DR	design review; discrepancy report; drive
DRL	data requirements list
DRM	drawings requirements manual
DRR	drawings requirements review
DSHD	double sided high density
DSP	digital signal processing; design specification
DST	drill stem test
DSTU	dynamic steel tubed umbilical
DSV	diver support vessel
DT	downhole temperature
DTI	Department of Trade & Industry (U.K.)
DTL	detail
DTO	demonstration test objective
DVM	digital voltmeter
DWC	daily well cost
DWG	drawing
DWOP	deep water operations plan
DWT	dead weight ton

E

E	evaluating
E&MJ	Engineering & Mining Journal

E&P	exploration and production
e.g.	for example (<i>exempli gratia</i>), followed by a comma
E/H	electrical and hydraulic or electro-hydraulic
E/T	electronic technician
E/W	ester to water ratio
EA	each
EAC	estimate at completion
ECA	engineering change analysis
ECC	engineering change control
ECD	equivalent circulating density
ECN	engineering change notice
ECO	engineering change order
ECP	engineering change proposal; equivalent circulating pressure; external casing packer
ECR	engineering change request
EDC	emergency disconnect connector; engineering document control
EDL	emergency (quick disconnect) tool lock
EDM	electrical distribution module
EDMS	Electronic Data Management System
EDP	emergency depressurizing system; emergency disconnect package
EDPHOT	emergency drill pipe hang-off tool
EDPRS	emergency deepwater pipeline repair scenario
EDR	engineering discrepancy report; engineering document register
EDU	Emergency (quick disconnect) tool unlock; emergency disconnect unit
EDU	electrical power unit
EEP	emergency evacuation plan
EEPROM	electrically erasable programmable read only memory
EFAT	extended factory acceptance test
EFL	electrical flying lead
EGA	enhanced graphics adapter
EHDM	electro-hydraulic distribution manifold
EIS	Environmental Impact Statement

ELAB	electronic laboratory
ELEC	electronics/electrical
EMO	equipment moving order
EMS	emergency medical services
EMW	equivalent mud weight
ENCL	enclosure
EOA	environmental oil alert
EOC	end of curve
EOM	end of month
EOR	enhanced oil recovery
EOS	equation of state
EP	early production
EPA	Environmental Protection Agency
EPC	engineering, procurement, and construction
EPCI	engineering, procurement, construction, and installation
EPCTU	electrical power and communication test unit
EPM	equivalent per million
EPROM	erasable programmable read only memory
EPS	Emergency Power System; Early Production System
ERP	enterprise resource planning
EQD	emergency quick disconnect
EQUIP	equipment
ER	employee relations; equivalent round; emergency room
erg	unit of work energy
ERT	emergency response team
ESD	electrostatic discharge; emergency shutdown
ESDU	emergency shutdown unit
ESDV	emergency shutdown valve
ESP	electric submersible pump
ESV	emergency shutdown valve
ET	external test (tree cap)
et al.	and others (<i>et alii</i>)

et seq.	and the following (<i>et sequentia</i>)
ETA	estimated time of arrival
ETC	estimate to complete
etc.	and others (<i>et cetera</i>)
ETD	estimated time of departure
ETU	electronic test unit
EUTU	electrical umbilical termination unit
EWT	extended well test
EXT	extension
EXTR	extraction

F

F	flowing; fracture
F/T	feed through
FAB	fabricate
FAI	fail as is
FAR	failure analysis report; final acceptance review; fatal accident rate
FAT	factory acceptance test
FC	fail close; fit check
FCL	flowline connector lock
FCR	flowline connector return
FCS	flowline connector supply line
FCU	flowline connector unlock
FD	face discharge
FDA	Food and Drug Administration (U.S.)
FDM	field development manager
FDR	final design review
FE	flanged ends
FEA	finite element analysis
FEED	front end engineering and design
FEM	female; finite-element method

FET	field effect transistor
FFD	flanged, faced, and drilled
FFP	final flowing pressure
FFR	field failure report
FHCS	flat head cap screw
FI	fillister; financial
FID	flame ionization detector
FIFO	first in, first out
FIHPC	flowline protection/pressure caps (installed on inboard hubs of manifold)
FITA	field installable test assembly
FIV	flowline isolation valve
FIXT	fixture
FL	flat
FLD	field
FLP	fail last position
FLUMB	flowline umbilical (porch)
FM	frequency modulation
FMEA	failure modes and effects analysis
FMECA	failure mode effect and criticality analysis
FNCR	field nonconformance report
FOB	freight on board; free on board
FOP	float-off proof
FP	flashpoint
FPF	floating production facility
FPO	floating production & offloading
FPS	floating production system
FPSO	floating production storage & offloading
FPU	floating production unit
FPV	floating production vessel
FR	failure report
FRC	fast rescue craft
FRT	front

FS	fractured limestone; forged steel; factor of safety
FSC	fail safe closed
FSIT	final shut-in pressure
FSK	frequency shift key
FSO	fail safe open; field service order
FSU	floating storage unit
FSW	feet of sea water
FT	foot or feet
FTP	flowing tubing pressure
ft/lbf	foot-pound force
ft/min	feet per minute
ft/sec	feet per second
ft ²	square feet
ft ³ /bbl	cubic feet per barrel
ft ³ /d	cubic feet per day
ft ³ /lbm	cubic feet per pound mass
ft ³ /min	cubic feet per minute
ft ³ /sec	cubic feet per second
FTC	field termination cabinet
FTG	fitting
FTH	flowline termination head
ft-lb	foot-pound (torque)
FTP	file transfer protocol
FTU	flowline termination unit
FUNC	function
FVF	formation-volume factor
FW	fresh water
FWHP	flowing wellhead pressure
FWHT	flowing wellhead temperature
FWM	freshwater mud
FYI	for your information

G

g	gram; acceleration of gravity
g/cm ³	grams per cubic centimeter
g/ml; g/mL	grams per milliliter
GA	general arrangement; general assembly (drawing)
gal/d	gallons per day
gal/min	gallons per minute
GAPS	general alarm pushbutton stations
GB	grand banks
GC	gas chromatograph; Gulf Coast
GD&T	geometric dimensioning and tolerancing
GFE	government furnished equipment
GI	gas injector
GIIV	gas injection isolation valve
GL	gas lift; ground level; guideline
GLA	gas lift available
GLIV	gas lift isolation valve
GLL	guidelineless
GLV	galvanized
GN	green
GND	ground
GOC	gas/oil contract; gas/oil contact
GOES	geo-orbiting east station
GOM	Gulf of Mexico
GOR	gas/oil ratio
GOT	glossary of oilfield terminology
GP	gas producer ; guide post
gpm	gallons per minute
GPR	glass reinforced plastics
GPS	gravel-packed screens; global positioning system/satellite
GR	gray
GRA	guidelineless reentry assembly

GRI	gamma ray index; Gas Research Institute
GROMT	grommet
GRP	glassfiber reinforced plastic
GUI	graphical user interface
G_{total}	gravity field components
G_x	gravity field components
G_y	gravity field components
G_z	gravity field components

H

H	hydrostatic test pressure
H/T	high temperature
H ₂ S	hydrogen sulfide (chemical formula)
HAM	hydraulic annulus master gate valve
HAOG	high-accuracy orientation gyro
HAR	harness
HAZ	heat affected zone
HCI	hydraulic chemical injection
HCl	hydrochloric acid (chemical formula)
HCPV	hydrocarbon pore volume
HCR	high collapse resistant
HDM	hydraulic distribution module
HEC	hydroxyethylcellulose
HEP	hurricane evacuation plan
HEX	hexagon
HF	hydrofluoric acid (chemical formula); hard face (stellite face)
HFL	hydraulic flying lead
HFSSB	high frequency single sideband
HHP	hydraulic horsepower
HIPPS	high integrity pipeline protection system
HLB	hydrophilic-lipophilic balance
HM	horizontally stabbed (mounted vertically)

hm	hectometer
HMAX	maximum wave height
HNBR	hydrogenated nitrile buna rubber (nitroxile)
HOGS	hinge over guidance structure
HOST	hinge over subsea template
hp	horsepower; high pressure
HPAM	hydrolyzed polyacrylamide
HPAPH	high pressure accumulator pressure high
HPAPL	high pressure accumulator pressure low
HPAPLL	high pressure accumulator pressure low low
HPC	high pressure cap; hydraulic production choke
HPCC	hydraulic production choke closed
HPCO	hydraulic production choke open
HPG	hydroxypropyl guar
hph; hp-hr	horsepower-hour
HPM	hydraulic production master
HPU	hydraulic power unit
HPUCP	hydraulic power unit well control panel
HPW	hydraulic production wing gate valve
HQ	headquarters
hr	hour
HR	human resources
HRB	hardness, Rockwell "B"
H _s	significant wave height
HSC	hydraulic smart connector
HSE	Health, Safety, and Environmental
HSG	housing
HSI	hydraulic horsepower per square inch
HST	hanger seal test
HSW	hydraulic service wing
HT	high tension; horizontal tree
HTHP	high temperature/high pressure

HTML	hyper-text markup language
HTP	hydraulic test panel
HUTU	hydraulic umbilical termination unit
HV	high voltage
HVAC	heating, ventilation, and air conditioning
HVT	high voltage transfer
HW	hot work
HWL	hanger to wellhead lock
HWLV	hanger to wellhead lock ventilation
HXO	hydraulic crossover
HXT	horizontal X-mas tree
HYD	hydraulic
HYDL	tool hydraulic block lock
HYDU	tool hydraulic block unlock
Hz	Hertz (cycles per second)

I

i.e.	that is (<i>id est</i>), followed by a comma
I/F	interface
I/O	input/output
IADC	International Association of Drilling Contractors
IAP	instrument air pressure
IBHP	initial bottomhole pressure
IC	input computer; integrated circuit
IC ₄	isobutane
IC ₅	isopentane
ICF	individual channel frequency
ICS	intervention control system
ID	identification; inside diameter
IDC	inter-discipline check
IDMS	internal depth monitoring system
IDR	interim discrepancy record

IEEE	Institute of Electrical and Electronics Engineers
IF	internal flush
IFP	initial flow pressure
IFR	infield referencing
IFS	in-line filtration systems
IFT	interfacial tension
IGES	initial graphical exchange specification
ihp	indicated horsepower
IIP	International Ice Patrol
IMMS	integrated marine monitoring system
IMO	International Maritime Organization
IMP	impregnated diamonds
IMPES	implicit pressure, explicit saturation
IMR	inspection, maintenance & repair
IMT	Integrated Management Team
IN	input
in	inch
in/hr	inch per hour
in/s; in/sec	inch per second
INC	inclinometer; incorporated
IND	inductor
INFO	information
INS	insert; integrated services
INSP	inspection
INST	install; institute/institution
Intl.	international
IPC	Institute for Interconnecting and Packaging Electronic Circuits
IPT	integrated product team
IR	infrared; insulation resistance
IRAD	independent research and development
IRG	inertial rate gyro
IRIG	inertial rate integrating gyro

IROP	instantaneous rate of penetration
IRS	Internal Revenue Service
IS	intrinsically safe
ISA	Instrument Society of America
ISB	intrinsically safe barrier
ISC	integrated services contract
ISIP	initial shut-in pressure
ISO	International Standards Organization
ISS	Iron and Steel Society
ISV	injection swab valve
IT	insulated tubing; intervention tool; information technology
ITM	intervention tool module
ITP	internal tree plug
IWOCS	Installation & Workover Control System
IWV	injection wing valve

J

J	Joule
JCPT	Journal of Canadian Petroleum Technology
JCT	junction
JH	jumper hydraulic
JIP	joint industry project
J-Lay	method of laying pipe
JMT	jumper measurement tool
J-Mode Recovery	using a J-tool to recover an item with a J-slot
JPR	job performance report
JPT	Journal of Petroleum Technology
JPU	jackup production unit
J-tube	a tube on the side of a platform for the riser

K

k	kilo
KB	Kelly bushings
kbps	kilo bits per second
kg	kilogram
kg/m ³	kilograms per cubic meters
kgf	kilogram-force
kHz	kilohertz
kip	1,000 pounds
kJ	kilo Joule
kl; kL	kiloliter
km	kilometer
km/hr	kilometer/hour
kN	kilo Newton
KOP	kickoff point
ksi	1,000 psi

L

l; L	liter
l/m	lines per minute
l/s	lines per second
LACT	lease automatic custody transfer unit
LAMV	lower annulus master valve
LAN	local area network
LARS	Launch and Recovery System
LAS	laser alignment system; log ASCII standard (Canadian Well Logging Society)
lat	latitude
lb	pound
lb/bbl	pounds per barrel (not ppb!)
lb/ft ³	pounds per cubic foot
lb/gal	pounds per gallon
lb/in ²	pounds per square inch
lbf	pound-force

LBL	long base line
lbm/ft ³	pounds mass per cubic feet
lbm/gal	pounds mass per gallon
LBO	Lifeboat Operator
LC50	lethal concentration at 50% population death rate
LCD	liquid crystal display
LCM	lost circulation material
LCP	local control panel
LCT	life cycle test
LCV	level control valve
LDP	liquid dye penetrant
LED	light emitting diode
LEL	lower explosive limit
LER	local equipment room
LF	low frequency
LFL	lower flammable limit
LFM	limited fine mesh
LG	large; lignosulfate; long
LGS	low gravity solids
LH	left hand
LIH	lost in hole
LIMV	lower injection master valve
lin ft	linear foot
liq.	liquid
LIS	log information standard
LIST	listing
LIT	lead impression tool
lm	lumen
LMP	load management program
LMRP	lower marine riser package
LMU	load management unit
LNBR	low temperature nitrile buna rubber

LNG	liquefied natural gas
LOI	letter of intent
long.	longitude
LP	low pressure; line pipe
LPAPH	low pressure accumulator pressure high
LPAPL	low pressure accumulator pressure low
LPG	liquefied petroleum gas
LPMV	lower production master valve
LRP	lower riser package
LRQA	Lloyd's Register of Quality Assurance
LRTJ	lower riser tensioner joint
LS	landing string
ls; Ls	liter per second
LSRP	long stroke rod pump
LT	long ton (2,240 pounds); load test
Ltd.	limited
LTL	lower tree lock
L _{tox}	low tox
LTST	lower tree seal test
LTSTV	lower tree seal test valve
LTU	lower tree unlock
LUB	lubricate
LV	lubricator valve
LVDT	linear variable displacement transducer/transmitter
LWI	local work instructions
LWRP	lower workover riser package

M

M	mega; Monel metal; thousand
m	meter; milli
M&F	male and female
mA	milliamperes

MA	mechanical assembly; master of arts
MACH	machine
MAF	mis-alignment flange
MAG	magnetic; magnetometer
MAINT	maintenance
MAN	manual
MAO	manual annulus outlet gate valve
MAOP	maximum allowable operating pressure
MAT'L	material
MAX	maximum
MB	megabyte
MBIP	management by improving processes
MBO	management by objective
MBOE	millions of barrels of oil equivalent
MBT	methylene blue test
MCM	million cubic meters
MCP	master control panel
MCS	master control station
MCU	master control unit
MD	measured depth
mD	milli Darcy
MDI	multiple document interface
MDM	maximum design meter; metal-dielectric-metal; medium
MDS	material data sheet
MECH	mechanical
MEHD	minimum effective hole diameter
MEM	memory
MeOH	methanol (chemical formula)
meq	milliequivalent
meV	million electron volts
MF	medium frequency
MFG	manufacturing

MFR	manufacture
mg	milligram
mg/kg	milligrams per kilogram
mg/l; mg/L	milligrams per liter
MGR	manager
MHz	megahertz
mi	mile
MI	malleable iron
MICU	Modular Intervention and Construction Unit
MIE	Ministry of Industry & Energy (Norwegian)
MIL	military
MILSPEC	military specification
MILSTD	military standard (USA)
MIN	minimum
min	minimum; minute
MINI	miniature
MIS	Management Information Services
MKT	marketing
ml; mL	milliliter
MLS	mudline suspension system
mm	millimeter
MM	manifold module; man-machine interface; million
mmbbl	million barrels
MMCFPD; MMCF/d	million cubic feet per day
MMD	Merchant Marines Document
MMO	magnetic method of operation
MMP	minimum miscibility pressure
MMSCFD; MMSCF/d	million standard cubic feet per day
mN	milli Newton
Mo	molybdenum

MOB	man overboard
MOC	management of change
MOD	modification; modify; module
MODU	mobile offshore drilling unit
MOM	Marine Operations Manual
MP	main pass
MPa	mega Pascal
MPI	magnetic particle inspection
MPM	multiphase meter
MPP	multiphase pump
MPT	minimum pulse time; magnetic particle test
MQC	multi-quick connect; mechanical quick connect
MR	material review
MRB	material review board
MRD	material review deposition
MRKB	mean rotary Kelly bushing
MRP	materials requirement planning; moveable ROV panel
MS	multi-shot; master of science (degree)
MSA	mine safety appliance
MSCFD; MSCF/d	thousand standard cubic feet per day
MSDS	material safety data sheets
MSL	mean sea level
MSS	Manufacturers Standardization Society of the Valve and Fittings Industry; mobile servicing system
MSSVS	multi-schedule smart vent system
MST	magnetic steering tool
MSV	multi-service vessel
MSW	meters of seawater
MT	maintenance and troubleshooting; measured thickness; mount; mechanical technician
MTBF	meantime between failures
MTC	mud-to-cement

MTS	Marine Technology Society
MTU	manifold termination unit
MUT	multi-use tether
mux	multiplex – an electro-hydraulic control system
MVB	master valve block
MW	mud weight
MWP	maximum working pressure
MWS	mini-work station

N

n	nano (prefix, one-billionth)
N	nickel
N/O	normally open
NACE	National Association of Corrosion Engineers
NaCl	sodium chloride
NAS	National Aerospace Specification/Standard; National Aeronautics Society
NASA	National Aeronautics and Space Administration
Nat	native
Natl.	national
NB	near bit; nominal bore
NBA	National Bureau of Affairs
NBR	nitrile buna rubber (buna N or NBR)
NBS	National Bureau of Standards
NC	numbered connection
NCR	nonconformance report
NCRI	nonconformance rework instruction
NDE	non-destructive examination
NDT/E	non-destructive testing/examination
NE	northeast
NEG	negative
NFPA	National Fire Protection Association
NGL	natural gas liquid

NI	nickel iron
NM	nonmagnetic; nautical mile
N-m	Newton-meter
NMR	nuclear magnetic resonance
NNS	Northern North Sea
NO	number
NOAA	National Oceanographics and Atmospheric Agency
nom	nominal
NORM	normal
NPD	Norwegian Petroleum Directorate
NPO	nominal schedule pipe
NPT	nominal pipe-thread
NPTF	nominal pipe thread female
NPTM	nominal pipe thread male
NPV	net present value
NRC	Nuclear Regulatory Commission
NRS	non-rising stem
NS	North Sea
NSG	north-seeking gyro
NT	nontoxic
NTS	Norwegian Technology Standards Institute
NW	northwest
NWECS	North West European Continental Shelf

O

1D	one-dimensional
O/H	overhead
O/W	oil to water ratio
OBM	oil-based mud
OBS	obsolete; ocean bottom suspension
OCS	outer continental shelf
OCTG	oil country tubular goods

OD	outside diameter
OEC	other end connector
OEM	original equipment manufacturer
OFE	owner furnished equipment
OFP	open-flow potential
OGJ	Oil & Gas Journal
OH	open hole
OIM	Offshore Installation Manager
OIP	oil in place
OIS	operator interface station
OOIP	oil originally in place
OP	operations procedure
OPEC	Organization of Petroleum Exporting Countries
OPER	operating
OPS	operations
OPV	offshore production vessel
OR	orange
ORG	increase critical rate to gas
ORW	increase critical rate to water
OS&Y	outside screw and yoke
OSC	oscillator
OSHA	Occupational Health and Safety Administration
OSR	oil/steam ratio
OTC	Offshore Technology Conference
OUT	output
OWC	oil/water contact
OWL	Offshore Wells & Leases

P

P	pico (prefix, one-trillionth); Poise; producing
P&I	piping and instrumentation (flow schematic)
P&ID	piping and instrumentation diagram

P/L	pipeline
P/N	part number
Pa	Pascal
PA	public address (system)
PADED	pressure activated directional extraction device
PAL	programmable array logic
PBOF	pressure balanced oil filled
PBT	production bore test
PC	perforated casing; personal computer; printed circuit; pulsating current
PCB	printed circuit board
PCD	polycrystalline diamond
PCIV	production chemical injection isolation valve
PCM	pulse-code modulation; process coordination method; product change management
PCP	progressive cavity pump
PCS	production control system; progress control system
pct	percent
PCU	pressurization control unit; process control unit; production control unit
PCVD	production choke valve decrease
PCVI	production choke valve increase
PD	preliminary design
PDA	pre-delivery acceptance
PDC	polycrystalline diamond compact (drill bit)
PDF	portable document format
PDM	positive-displacement motor; product data management
PDR	preliminary design review
PDU	power distribution unit
PE	product engineering; professional engineer; pigging loop electrical connection
PEC	peripheral exchange chassis
PEEK	polyetheretherketone
PEL	permissible exposure limit
PEP	project execution plan

Perf	perforations
PETE	portable electronic testing equipment
PFD	personal flotation device; process flow diagram
PFL	production flowline connector
PFU	production flow unlock
PGB	permanent guidebase
PGPL	prepacked gravel-packed liner
PGV	pigging valve
pH	alkalinity measurement
PhD	doctor of philosophy (degree)
PI	productivity index; proposal insert; product index
PIA	pre-installation acceptance
PIC	person-in-charge; process improvement committee
PIM	product information management
PIP	peripheral interchange program; push in place
PIV	production isolation valve
PKG	package
Pkr	packer
PL	perforated liner; plugged
PL/A	plugged and abandoned
PLC	places; programmable logic controller
PLEM	pipeline end manifold
PLET	pipeline end termination
PLM	pigging loop module
PLMV	production lower master valve
PLP	pig loop porch
PM	project manager; polymer; preventive maintenance; pig module
PMP	pumping; project management plan
PMR	project management review
PMRB	primary material review board
PMT	pre-measurement tool; pipe measurement tool; pressure test and monitoring tool
PMV	production master valve

PNL	panel
PNR	problem notification report
PO	purchase order
POL	policy
POOH	pull out of hole
PORRT	packoff running and retrieving tool
POS	position; positive; point of service
POT	potentiometer
PP/PT	production pressure and temperature sensor
ppb	parts per billion
PPE	personal protective equipment
ppg	pounds per gallon
PPM	pulse position modulation
ppm	parts per million
PPN	preferred provider network
PPSD	partial process shutdown
PQR	procedure qualification record
PR	purchase requirements; purchase requisition; performance requirement
PRD	project requirement documents
PRE	pitting resistance equivalent
PRESS	pressure
PROC	procedure
PROG	program/programmable
PROGR	programmer
PROJ	projector
PROM	production operating manual
PROT	protector
PRS	pipeline repair systems
PS	purchase specifications
PSD	particle size distribution; process shutdown
PSH	pressure safety high
PSHC	production shear closed

PSHO	production shear open
psi	pounds per square inch
psia	pounds per square inch absolute
psig	pounds per square inch gauge
PSL	pressure safety low; pressure specification level; process specification level
PSRST	production system review and selection task
PSV	pressure safety valve; production and storage vessel
PT	point
PTD	project to date
PTFE	polytetrafluorethylene (Teflon®)
PU	porosity unit; pick up
PUMV	production upper master valve
PUP	pipe utility piece (short piece of pipe)
PUR; PURCH	purchasing
PV	plastic viscosity; pore volume
PVB	production valve block
PVC	polyvinyl chloride
PVT	pressure-volume-temperature
PWHT	post weld heat treatment
PWR	power
PWV	production wing valve

Q

QA	quality assurance
QC	quality control; quick connect
QCDC	quick connect disconnect
QD	quick disconnect
QE	quality engineering
QM	quality manager
QMS	quality management system
QP	quality plan

qt	quart
QTC	qualification test coupons
QTR	quarter
qty	quantity
QUAL	qualification

R

R&D	research and development
R&E	research and engineering
R&M	repair and maintenance
R&R Tool	running & retrieval tool
R/D	rig down
R/T	running tool
R/U	rig up
RAM	random access memory
RB	roller bearing
RB/d	reservoir barrel per day
RCA	remote cable anchors
RCDR	recorder
RCVR	receiver
RD	road
RDD	rodime disk drive
REC	receiving
RECEPT	receptacle
REF	reference
REG	regular/regulator
REL	recommended exposure limit
REM	remove
REP	repair
REQ	require/requirements
RES	resistor
res bbl	reservoir barrel

RET	return
REV	revision
RF	relaxed filtrate; radio frequency
RFC	revised for construction
RFD	revised for design
RFI	request for issue
RFQ	request for quotation
RGB	red, green, blue (video standard EIA RS-170)
RH	relative humidity; right hand
RI	rework immediately
RICAS	replaceable inboard cap assemblies
RIFIC	ram injected flowline induction coupler
RID	review item disposition
RIH	run in hole
RKB	rotary Kelly bushings
RL	roll
RLMS	riser load monitor system
R_m	resistivity of mud
R_{mc}	resistivity of mud cake
R_{mf}	resistivity of mud filtrate
RMM	retrievable manifold module
RMPP	riser mounted park plate
rms	root-mean-square
RND	round
ROM	read-only memory; rough order of magnitude
ROP	rate of penetration
ROS	residual oil saturation
ROT	remotely operated tool
ROV	remotely operated vehicle
ROVSV	remotely operated vehicle support vessel
ROW	right of way
RP	rod pump; recommended practice

RPGB	retrievable permanent guidebase
RPLM	retrievable pigging loop module
RPM	revolutions per minute
rpm	revolutions per minute
RPT	report
RQ	reportable quantity
RS	rising stem
RT	right; rotary table elevation
RTJ	ring type joint
R_t	resistivity, true formation
RTD	resistance temperature device
RTPC	real-time PC
RV	retainer valve
R_w	resistivity of formation water
RWK	rework
R_{xo}	resistivity of flushed zone

S

S	sand; suspended
s	second (time)
S&HO	stab & hinge over
S/N	serial number
S/W	software
S_A	maximum allowable tensile strength
SAE	Society of Automotive Engineers
SAFOP	safety and operability
SAG	successful alliance groups
SALM	single anchor leg mooring
SAPP	sodium acid pyrophosphate
SB	saturated brine
SBM	single buoy mooring
S_b	bending stress

SBMS	straight bore metal seal
SBS	short bore selector; straight bore selector
SC	source code
SCADA	supervisory control and data acquisition
SCE	sanction cost estimates
scf	standard cubic feet
scf/bbl	standard cubic feet per barrel
SCFD; scf/d	standard cubic feet per day
SCHEM	schematic
SCM	subsea control module
SCR	screw; steel catenary riser
SCSI	small computer systems interface
SCSSV	surface controlled subsurface (or subsea) safety valve
SCU	secondary connector unlock; subsea control unit
Sd	standard day
SD	shutdown
SDC	single discipline check
SDPP	shut-in drillpipe pressure
SDV	shut down valve
S_E	maximum allowable equivalent stress at the most highly stressed distance into the pressure vessel wall, computed by the distortion energy method
SE	Southeast; screwed ends
SEC/SECT	section
SEG	Society of Exploration Geophysicists
SEM	subsea electronics module; scanning electron microscope
SEMI	semi-submersible vessel
SEMP	Safety and Environmental Management Plan
SEMS	subsea electronics modules
SES	side entry sub
SETE	subsea electronic test equipment
SETU	subsea electronic test unit
SF	safety factor

SFLOC	smart flange with length of compensation
SFT	surface flow tree
SG	specific gravity
Sh	shale
SHIP	shipping
SHLD	shielded
SI	shut-in; silicone; International System
SICP	shut-in casing pressure
SIM	simulator
SIP	shut-in pressure
SIR	supplier improvement request
SIT	systems integration test
SITP	shut in tubing pressure
SJ	slick joint
SKT	sketch
SL	slotted liner; surface location; spring loaded
SL Tool	spring loaded tool
S-Lay	method of laying pipe
SLC	slim line connector
SLD	slide
SM	small
S_M	membrane stress/design stress intensity at rated working pressure
SMA	steerable motor assembly
SMC	system master controller
SME	subject matter expert; Society for Mining, Metallurgy, and Exploration
SMI	serial manchester interface
SMPP	safety management policies and procedures
SMS	Safety Management System
SNAME	Society of Naval Architects & Marine Engineers
SNS	Southern North Sea
SOA	sales order agreement
Soc.	society

SOL	solenoid
SOLAS	safety of life at sea
SOP	standard operating procedures
SOS	scope of supply
SOURG	sour gas
SP	spontaneous-potential; self-potential
SPC	stones per carat
SPCU	subsea power and communication unit
SPE	Society of Petroleum Engineers
SPEC	specification
SPECA	SPE Computer Applications
SPEDC	SPE Drilling and Completion
SPEDE	SPE Drilling Engineering
SPEFE	SPE Formation Evaluation
SPEJ	SPE Journal
SPEPF	SPE Production and Facilities
SPERE	SPE Reservoir Engineering
SPG	subsurface pressure gauge
SPI	stabilizer position indicator
SPM	single point mooring
SPMB	single point mooring buoy
SPP	standpipe pressure; suspended particulate phase
SPT	shallow pulse test
SPWLA	Society of Petroleum Well Log Analysts
SQ	square
SQL	structured query language
sq mil	square mile
SR	senior; system specific requirements
SRRD	sleeved rotational retaining device
SRI	subsea retrievable insert
SRIC	subsea retrievable insert choke
SRR	shop repair report

SS	sandstone; stainless steel; subsea
SSDV	semi-submersible drilling vessel
SSIV	subsea isolation valve
S_{shr}	allowable stress in shear
SSOI	safety system operator interface
SSSV	subsurface safety valve
SST	stainless steel tank
SSTT	subsea test tree
SSV	surface safety valve
ST	steering tool; stoke; seal test; surface tree
S_t	maximum allowable general primary membrane stress intensity at hydrostatic test pressure
ST Tool	single trip tool
STAB	stabilizer
STB	stock-tank-barrel
STBD	stock-tank-barrel per day
STD	standard; stud tensioning device
STK	stock
STL	steel; submerged turret loading
STR	stranded
STT	subsea test tree; surface test tree
STU	steel tubed umbilical
SURF	surface
S_{uts}	ASTM A36 structural steel ultimate tensile strength
SV	safety valve
SVCS	services
SVCU	subsea valve control unit
SVP	senior vice president
SVS	subsea valve station
SW	socket welding ends
SW	salt water; switch; Southwest
SWF	shallow waterflow

SWHP	shut-in wellhead pressure
SWL	safe working load
S _y	material minimum specified yield strength
S _{yld}	yield stress
SYS	system

T

2D	two-dimensional
3D	three-dimensional
T	testing; ton (2,000 pounds)
T/A	temporarily abandoned
T/C/W	treatment, completion, and workover
TB	technical bulletin
TBA	to be announced
TBC	tieback connector
TBD	to be determined
TBG	tubing
TC	test coupon; tree cap
Tcf	trillion cubic feet
TCL	tree cap lock; tree connector lock
TCP/IP	transmission control protocol/internet protocol
TCRT	tree cap running and retrieving tool
TCSL	tree cap soft landing
TCSU	tree connector secondary unlock
TCT	tree cap test
TCU	tool control unit; tree cap unlock
TCV	tree cap/tree running tool pressure vent
TD	total depth
TDR	tool design review
TDS	total dissolved solids
TE	testing equipment; tree electric
TEC	Texas Employment Commission

TECH	technical
TECHN	technician
TEG	triethylene glycol
TEI	tree electric-inner tree
TEMP	temperature; temporary
TEO	tree electric-outer tree
TEP	target entry point
TERM	terminal
TF	topsides facilities
TFA	total flow area
TFE	Teflon® (tetrafluorethylene)
TFL	through-the-flowline; through flowline tools
TGB	temporary guidebase
TH	tight hole; tree hydraulic; tubing head; tubing hanger
THA	total hydrocarbon analyzer
THAS	tubing hanger adapter sleeve
THBP	tubing hanger bore plug
THC	total hydrocarbon conditioner
THCP	tubing hanger crown plug
THD	thread
THI	tree hydraulic-inner tree
THK	thick
THL	tool to hanger lock; tubing hanger lock
THLV	tubing hanger to lock verify
THO	tree hydraulic outer tree
THOJ	tubing hanger orientation joint
THRA	tubing hanger running assembly
THRD	threaded
THRT	tubing hanger running tool
THS	tubing head spool
THST	tubing head seal test
THUL	tool to hanger unlock

THWIS	tubing hanger wireline isolation sleeve
THWNP	tubing hanger wireline nipple protector
TIF	tagged image format
TIH	trip in hole
TIM	technical information manual
TIV	test isolation valve
TL	tight layers; tool; tree lock
TLI	travel lock indicator
TLM	total loss management
TLP	Tension Leg Platform
TLV	threshold limit value
TLWP	tension leg wellhead platform
TM	tight matrix; torque multiplier
TMC	total mud cost
TMD	total measured depth
TMS	The Minerals, Metals, and Materials Society
TOC	theory of constraints; thin oil column; table of contents
TOPO	topological
T_p	peak period associated with wave height
TPE	thermoplastic elastomer
TPS	Thermal Protection System; test preparation sheet
TQM	total quality management
TRSCSSV	tubing retrievable surface controlled subsurface safety valve
TRT	tree running tool
TS	thermal shield
TSB	tendon support buoy
TSD	thermally stable diamond compact (drill bit)
TSJ	titanium stress joint
TSP	thermally stable polycrystalline tripax cutter
TSPP	tetra-sodium pyrophosphate
TST	tree seal test
TT	thermal test

TTL	transistor transistor logic; tree tool lock
TTS	telemetry transfer system
TTSL	tree tool soft landing
TTSU	tree tool secondary unlock
TTU	tree tool unlock
TUL-P	tree unlock - primary
TUL-S	tree unlock - secondary
TVD	true vertical depth
TWA	time-weighted average
TWC	total well cost; Texas Workforce Commission
TWP	township
TYP	typical
T ₂	zero up crossing period – wave height

U

U	(unified) atomic mass unit
UAE	United Arab Emirates
UAI	use as is
UAMV	upper annulus master valve
UAP	utility air pressure
UC	uncemented casing
UCP	upper crown plug
UCU	utility control unit
UEL	upper explosive limit
UGF	universal guide frame
UIC	user identification code
UIMV	upper injection master valve
UK	United Kingdom
UKCS	United Kingdom Continental Shelf
UKOOA	United Kingdom Offshore Operators Association
ULS	ultimate limit state
UMC	underwater manifold center

UNC	unified national course
UOM	unit of measure
UPMV	upper production master valve
UPS	uninterruptible power supply
URL	uniform resource locator
URT	universal running tool
US	unconsolidated sand
USBL	ultra short base line
USCG	United States Coast Guard
USD	unit shutdown; United States dollar
USDOE	United States Department of Energy
USST	underground stainless steel tank
USV	underwater safety valve
UTA	umbilical termination assembly
UTB	umbilical termination box
UTH	umbilical termination head
UTL	upper tree lock
UTP	utility test panel
UTSL	upper tree soft landing
UTST	upper tree seal test
UTSTV	upper tree seal test valve
UTU	upper tree unlock
UU	utility umbilical
UV	ultraviolet
UWD	underwater wellhead design; underwater drilling

V

V	version; volt
vac	vacuum
VBM	valve body module
VC	visually clean
VCG	vertical center of gravity

VER	version
VGA	video graphics array
VHF	very high frequency
VI	violet
VIB	vortex induced vibration
VIBE	vibration
VIC	versatile interface controller
VM	VIC/MPCA; vertical stabbed (mounted horizontally)
VP	Vice President
VRML	virtual reality markup language
vs.	versus
VXT	VX gasket test; vertical X-mas tree

W

W/H	wire harness
W/L	wireline
W/O	without
WAG	water-alternating-gas
WASH	washer
WBS	work breakdown structure
WC	water coring; work center; well construction
WCT	wireline coiled tubing
WCT-BOP	wireline coil tubing blowout preventer
WD	water depth; working draft
WH	white
WHD	wellhead
WHSE	warehouse
WIIV	water injection isolation valve
WIM	wireline interface module
WIP	work in progress
WNF	weld neck flange
WO	workover

WOB	weight on bit
WOC	waiting on cement; water/oil contact
WOR	water/oil ratio
WORM	write once read many
WOW	waiting on weather
WP	working pressure
WPS	welding procedure specification
WRS	wire-wrapped screen
WT	weight
WTU	well termination unit
WWW	world wide web

X

XDCR	transducer
XDUCER	transducer
XFMR	transformer
XLTSR	extra long tubing seal receptacle
X-mas Tree	set of control valves for a well
XMTR	transmitter
XO/XOVER	crossover
XOV	crossover valve
XRD	x-ray diffraction
X-Sect	cross section
XSTR	transistor
XT	X-mas tree
XTC-L	X-mas tree connector-lock
XTC-U	X-mas tree connector-unlock

Y

Y _a	actual average yield strength from test specimens
yd	yard
YL	yellow

YP	yield point
yr	year
Y _s	specified minimum yield strength
YTD	year to date