

# Dictionary Of Geological Abbreviations



**A**

absent	abs
abundant	adbt, abnd
above ground level	agl
acicular	acic
acoustic	AC
adamantine	adam
aggregate	agg
algae, algal	alg
altered	alt
alternate(ing)	alt, altg
amorphous	amor, amorph
amount	amt
above mean seal level	amsl
angular	ang
anhedral	anh
anhydritic	anhy
anhydrite	ANHY
anticline(al)	anticl
apparent	appar
approximate	approx
argillaceous	arg, argil
arkose(ic)	ark
above sea bed	asb
apparent viscosity	AV
as above	a/a
assemblage	assem
assembly	assy
associated	assoc
Atlas	Atlas
authigenic	authg
average	avg, av

**B**

bafflestone	bafbst
band	bnd
barrel	bbf
barrels	bbls
barrels liquid per day	blpd
barrels oil per day	bopd
barrels per day	bpd
barrels per minute	bpm
barrels water per day	bwpd
basement	bsmt
becoming	bcmg
bed/bedded / bedding	bd
below kelly bushing	BKB
below rotary table	brt
billion cubic feet	bcf
bimodal	bimo
bioclast(ic)	biocl

biotite	biot
bioturbated	biturb, bioturb
bituminous	bit
bivalve	bv
black	blk
blade/bladed	bld
blocky	blky
blooming	blmg
blue	blu
blow out preventer	BOP
bottom hole closed-in pressure	BHCIP
bottom hole flowing pressure	BHFP
bottom hole pressure	BHP
bottom hole temperature	BHT
boulder	bldr
boundstone	bdst
break	brk
bright	brit
brown	brn
bryozoa	bryoz
buff	buff, bf

**C**

cable head tension	CHT
calcareous	calc
calcite	calc
calliper	CAL
carbonaceous	carb
carbonaceous rock	CARB
carnallite	carn
casing	csg
cement	cmt
centre	cntr
chalk	chk
chalky	chky
chert	CHT
cherty	chty
cable head tension	CHT
calcareous	calc
calcite	calc
calliper	CAL
carbonaceous	carb
carnallite	carn
cement(ed)	CMT, cmt
centimetre	cm
centre	cntr
chalk	chk
chalky	chky
change out	C/O
chert	cht

chlorite(ic)	chlor	dead	dd
chocolate	choc	decimetre	dm
choke	ck	decrease	decr
circulate	cir	dense	dns
clastic	clas	density	den
clay	CL, cly	description	descr
clayey	cly	desiccation	desic
claystone	clyst	detrital	detr
clean	cln	diagenesis	diagn
clear	clr	diameter	diam
cleavage	clvg	direct	dir
cluster	clus	discontinuous	discont
coarse	c, crs	disseminated	dissem
coarse Lower	cL	distillate	dist
coarse Upper	cU	ditto	do
cobble	cbl, cob	dolomite	DOL
colour	col	dolomitic	dol
colourless	clss	dominant(ly)	dom
common	com	down	down
compact	comp	drillcollar	DC
compare	cf	drilled depth	DD
compensated neutron	CN	drillpipe	DP
concentrated	conc	drill stem test	DST
conchoidal	conch	drilling	drlg
concretion	concr	drusy	dru
conglomerate	CONG, cgl	dual induction focussed log	DIFL
connection gas	CG	dual laterlog	DLL
considerable	consid		
consolidated	consol		
conspicuous	conspic		
contamination	contam		
continuous	cont		
contorted	cont		
covered	cov		
cream	crm		
crenulated	cren		
crinoid	crin		
cross	x		
cross-bedded(ing)	xbd		
cross laminated	x-lam		
crumbly	crmbly, crmb		
cryptocrystalline	crpxln		
cryptofissile	crpfiss		
crystal	xl		
crystalline	xln		
crystals	xls		
crystalline	xln		
cubic	cub		
cutting(s)	ctg(s)		

**D**

dark dk

**E**

earthy	erty, earth
east	E
echinoid	ecg
elevation	elev
elongate	elong
embedded	embd
equant	eqnt
equivalent	equiv
equivalent circulating	ECD
density	
equivalent mud weight	EMW
equivalent static density	ESD
estimated	est
euهدral	euهد
evaporite	EVAP
evaporitic	evap
excellent	exc
exposed	exp
extremely	extr, ext
extremely poorly sorted	ext p sort
extrusive	EXTR, exv

**F**

faint	fnt
fair	fr
fault	flt, F
fault zone	FZ
feet	ft
feldspar	fspr, feld
fenestral	fen
ferrochrome	FCL
lignosulphonate	
ferro-magnesian	FeMg
ferruginous	ferrug, Fe
fibrous	fibr
final bottom hole closed-in pressure	FBHCIP
final bottom hole flowing pressure	FBHFP
fine	f, fn
finely	fnly
fine Lower	fL
fine Upper	fU
firm	frm
fissile	fiss
flag(gy)	flg, flag
flake(y)	flk
floatstone	floatst
flour (rock flour)	flour
fluorescence	fluor
foliated	fol
foraminifera	foram
formation	fm
formation mult tester	FMT
formation pressure	FP
fossil	foss
fracture(d)	frac
fragment	frag
framestone	framest
framework	frmwk
frequent	freq
fresh	frs
friable	fri, fria
from	f/
frosted	fros

**G**

gabbro	gab
gallons per minute	gpm
gamma ray	GR
gas cut mud	GCM
gas cut water	GCW
gas down to	GDT
gas oil contact	GOC

gas oil ratio	GOR
gas water contact	GWC
gastropod	gast
generally	gen
geopetal	gept
glass	glass
glauconite(ic)	glauc
glossy	glos
gneiss	gneiss
good	gd
gradation(al)	grd(l)
grading	grdg
grain(ed)(s)	g, grn
grainstone	grst
granite	granite
granule(ar)	gran
graptolite	grap
gravel	GRAV, grv
greasy	gsy
green	gn, grn
grey	gy
grit	gt
groningen	Gron
ground level elevation	GLE
gypsum	GYP
gypsiferous	gyp

**H**

hackly	hack
haematite(ic)	haem
halite	HAL
halitic	hal
hard	hd
heavy	hvy
heavy weight drillpipe	HWDP
heterogeneous	heter, heterog
hexagonal	hex
high	hi
homogeneous	homog
horizontal bedding	horiz bd
hydrocarbons	HC
hydrostatic pressure	HP
hygroclastic	hygclas
hygrofissile	hygfiss
hygoturgid	hygtur, hygturg

**I**

igneous	IG, ign
illite(ic)	illit
imbedded	imbd



minute min  
 moderate mod  
 moderately sorted mod sort  
 moderately well sorted mod well sort  
 mold(ic) mold  
 mollusc moll  
 montmorillonite montmoril  
 more more  
 mottled mot  
 mud weight MW  
 muddy mdy  
 mudstone MDST, mdst  
 muscovite musc

**N**

nacreous nac  
 new bit NB  
 new core bit NCB  
 no shows N/S  
 nodules(ar) nod  
 north N  
 numerous num

**O**

occasional occ  
 ochre och  
 often often  
 oil down to ODT  
 oil water contact OWC  
 olive olv  
 olivine olvn  
 oncolite onc  
 oolite, oolitic, oolith ool  
 opaque opq, op  
 orange orng  
 orthoclase orth  
 ostracod ost  
 overgrowths o/gwth  
 overpull o/pull  
 oxidised ox

**P**

pale pa  
 packstone pkst  
 part, partly pt  
 particle par  
 parting ptg  
 parts per million ppm  
 patch ptch  
 patchy ptchy

pebble(y) pbl, peb  
 pellet(al) pel  
 permeable perm  
 petroleum pet  
 phlogopite phlog  
 phosphate(ic) phos  
 phosphate rock PHOS  
 phreatic phr  
 Pick Up P/U  
 pink(ish) pnk, pk  
 pinpoint pinpt  
 pipe conveyed logging PCL  
 pisoid piso  
 pitted pit  
 pit volume total PVT  
 plastic viscosity PV  
 plagioclase plag  
 plastic plas  
 platy plty  
 polish pol  
 polygonal polyg  
 polyhalite polyhal  
 poor pr, p  
 poorly prly  
 poorly sorted p sort  
 porcellaneous porcel  
 porosity por  
 porous por  
 pore pressure PP  
 porphry prphy  
 possible, possibly poss  
 potassium chloride KCl  
 potassium magnesium salts KMg salts  
 pounds per gallon ppg  
 predominant(ly) pred, predom  
 present pres  
 preserved pres  
 pressure volume PVT  
 temperature  
 precipitate ppt  
 primary prim  
 prismatic pris  
 probable prob  
 production prod  
 prominent prom  
 pseudo ps  
 pull out of hole POOH  
 pump pressure PP  
 purple purp  
 pyrite(ic) pyr  
 pyroxene pyrxn

**Q**

quartz	QTZ, qtz
quartzite	qtzite
quartzose	qtzose

**R**

radial	rad
radiate	rad
range	rng
rare	rr
rare trace	rr tr, rtr
rate of penetration	ROP
recovered	rec
recrystalline	rexln
red	rd
remains	rem
replaced	rep
residue	resid
residual	resid
resistivity (ind. log) deep	RILD
resistivity deep	RD
resistivity (ind. log) medium	RILM
resistivity focused	RFOC
rig down	R/D
ripple	rpl
rock	rk
rotary table elevation	RTE
round(ed)	rnd
rubbery	rubbery
rubble, rubbly	rbl
rudstone	rudst
rugose	rug
run back in hole	RBIH
run in hole	RIH

**S**

sacks	sx
saliferous	salif
sample	smpl
sand	SND, sd
sandy	sd, sndy
sandstone	SST, sst
saturated	sat
scattered	scat
schist	sch
secondary	sec
sediment	sed
septate	sep
shale	SH, sh

shell  
 show  
 shut in casing pressure  
 shut in drillpipe pressure  
 sidewall core  
 siderite(ic)  
 siliceous  
 silt  
 siltstone  
 silty  
 similar  
 size  
 slight, slightly  
 slow  
 small  
 soft  
 soluble  
 solution  
 sorted  
 sorting  
 south  
 sparry  
 sparsely  
 speckled  
 specks  
 sphalerite  
 spherical  
 spicule  
 splintery  
 sponge  
 spot  
 spots  
 spotted  
 stabilister  
 stain  
 stained  
 stands  
 stratified  
 streak  
 streaked  
 streaming  
 stringer  
 stock tank barrel  
 strokes per minute  
 strong  
 structure  
 stylolite(ic)  
 sub  
 subsea  
 subangular  
 subblocky  
 subelongate  
 subrounded

shl  
 show  
 SICP  
 SIDPP  
 SWC  
 sid  
 sil, silic  
 SLT, slt  
 SLTST, sltst  
 slty  
 sim  
 sz  
 sli  
 slow  
 s  
 sft  
 sol  
 soln  
 srted, sort  
 srtg  
 S  
 spr  
 spsly  
 spkld  
 spks  
 sphal  
 sher, sph  
 spic  
 splin, splnt  
 spg  
 spt  
 spots  
 spts  
 sptd  
 stab  
 stn  
 stnd  
 stds  
 strat  
 strk  
 strkd  
 strmg  
 stgr  
 STB  
 SPM  
 strong  
 str  
 styl  
 sb  
 SS  
 sbang  
 sbblky  
 sbelg, sbelong  
 sbrnd

subspherical  
sucrose(ic)  
sugary  
surface  
surface to bit strokes  
surface to bit time  
sylvite  
syncline  
syntaxial

sbsph  
suc  
sug  
surf  
SBS  
SBT  
sylv  
syncl  
syn

**T**

tabular  
tan  
texture  
thick  
thin  
thin section  
thousand  
through  
tight  
top  
top of cement  
top of liner  
total depth  
total gas  
tough  
trace  
translucent  
transparent  
trip in hole  
true vertical depth  
true vertical thickness  
tabular  
tuff  
tuffaceous  
type  
typical

tab  
tan  
tex  
thk, tk  
thn, tn  
ts  
M  
thru  
tight  
top  
TOC  
TOL  
TD  
TG  
tgh  
TR, tr  
trnsl  
trnsp  
TIH  
TVD  
TVT  
tab  
TUFF  
tuff  
typ  
typ

**U**

unconformity  
unconsolidated  
  
underlying  
unidentifiable  
undifferentiated  
uniform  
unsorted  
upper

unconf, unc  
uncons,  
unconsol  
undly  
unident  
undiff  
uni  
unsort  
u

**V**

vadose  
variable  
varicoloured  
variegated  
varved  
vein  
vermillion  
vertical  
vertical bedding  
very  
very coarse  
very coarse Lower  
very coarse Upper  
very fine  
very fine Lower  
very fine Upper  
very well sorted  
vesicular  
violet  
viscosity  
visible  
vitreous  
vitrified  
volatile  
volcanic  
volcaniclastic  
vuggy

vad  
var  
varicol  
vgt, varieg  
vrvd  
vn  
verm  
vert  
vert bd  
v  
vc  
vcL  
vcU  
vf  
vfL  
vfU  
v well sort  
ves, vesic  
vi, viol  
visc  
vis  
vitr  
vit  
volat  
vole  
vole  
vug

**W**

wackestone  
wait on cement  
wait on weather  
wash and ream  
water  
water loss  
water up to  
wavy  
waxt  
weak  
weathered  
weight  
weight on bit  
well  
wellhead closed in pressure  
wellhead flowing pressure  
well rounded  
well sorted  
west  
white  
with

wkst  
WOC  
WOW  
W/R  
wtr  
WL  
WUT  
wvy  
wxy  
wk  
wthd  
wt  
WOB  
w  
WHCIP  
WHFP  
well rnd  
well sort  
W  
wh  
w



without  
work

w/o  
work

**X**

**Y**

year  
yellow  
yield point

y  
yel  
YP

**Z**

z-slam  
zone

ZSLAM  
zn

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## **Standard Lithology Descriptions**

### **Sandstone / Sand**

- Colour – wh, v lt gy, dk gy, yel gy, v pa orng, grn
- Consolidation – well consol, fria, hd, v hd, lse qtz grn
- Fracture – crmb, brit, subfiss
- Texture – blkly, subblkly, ang, subang
- Grain type – QTZ
- Grain size – vf, f, m, crs
- Grain colour – clss, yel gy, lt brn, v pa orng
- Opacity – transp, transl, op
- Grain roundness – rnd, subrnd, subang, ang
- Grain sphericity – subsph, sph, subelong, elong
- Grain sorting – well sort, mod sort, prly sort
- Cementation – tr calc cmt, tr silic cmt
- Visible porosity – no vis por
- Accessory minerals – glauc, pyr, micropyr
- Minor lithologies – TR LST
- Shows – pet odor, lt brn oil stn, pa yel nat fluor, slow blmg pa yel cut fluor, fast strmg blu wh cut fluor, slow lt brn crush cut fluor, lt brn res ring

### **Shows**

- Any free oil – odour, colour and stain
- Natural fluorescence – intensity, colour and any mineral fluor
- Cut fluorescence rate – fast, inst, slow
- Cut fluor type – strmg, blmg
- Cut fluor intensity – dull, br, pa
- Cut fluor colour – yel, brn, gold, blu wh
- Cut fluor residue – lt brn fnt res ring
- If no cut try a crush cut

### **Claystone, Mudstone & Siltstone**

- Colour – red, orng, yel, grn, blu, olv, pk, gy, blk, wh
- Consolidation – sft, frm, hd, v hd
- Fracture – brit, crmb, fiss, subfiss, splint
- Texture – blkly, subblkly, subang, ang, amor
- Lustre – erty lstr, grsy, wxy
- Silt content – sl slty, mod slty, v slty, w/ occ vf qtz
- Carbonate content – carb i/p, loc sl calc, dol
- Swelling properties – non swel, hydurg, hygturg
- Accessories – TR micromic, micropyr, glauc, pyr, carb mat
- Minor lithologies – grd SLTST i/p

### **Dolomite & Limestone**

- Colour – pa yel brn, off wh, bf, v pa orng, m dk gy
- Consolidation – sft, frm, hd, v hd
- Fracture – brit, crmb, amorph
- Texture – microxln, cryptoxln
- Lustre – erty, wxy, porcel
- Porosity – no vis por
- Accessories – pyr, glauc



[www.dxcgeological.co.uk](http://www.dxcgeological.co.uk)