

APPENDIX A

Descriptions of symbols used in core analyses

Sample Number

A—measured on a small plug sample taken to ensure measurement of matrix permeability

AST—appears similar to

B—measured on a small plug sample taken out of the full diameter sample because of the broken nature of the core

FD—full diameter sample dried conventionally

H—humidity controlled plugs

OB—overburden samples. OB samples were confined in lead sleeves and subjected to overburden pressure during porosity and permeability determinations

P—preserved & removed for subsequent/special analysis

R—denotes porosity and residual saturations obtained by retort method

SA—special analysis

SC—analysis on slabbed core

SP—small plug

SS—small plug sample

VSP—vertical small plug

Core Type

1—conventional core

2—sidewall core

Porosity and Permeability

b—no data or no detailed information; broken core or fracture

c—unsuitable for test/measurements

d—permeability measured on small plugs

e—affected by fracture or crack

p—permeability measured along plan through orientation lines

lithology

AN—anhydrite

ARG—argillaceous

BRE—breccia

CAL—calcite

CARB—carbonaceous

CH—chert

CO—coal

CGL—conglomerate
CS—coarse grained sandstone
DENSE—dense
DOL—dolomite
FG—fine grained
FS—fine grained sandstone
F-MS—fine to medium grained sand
F-M-CS—fine to medium to coarse grained sand
GR—gravel
GYP—gypsum
IRST—ironstone
LMY—Limy
LS—limestone
MS—medium grained sandstone
M-CS—medium to coarse grained sand
MUDS—mudstone
PBLs—pebbles
PY—pyrite
QT—quartzite
RUBBLE—rubble
SDY—sandy
SH—shale
SHLY—shaly
SLTS—siltstone
SLTY—silty
SS—sandstone
UN—unconsolidated
VCS—very coarse grained sandstone
VFG—very fine grained
VFS—very fine grained sandstone
VF-FG—very fine to fine grained
VF-FS—very fine to fine grained sandstone
VF-MS—very fine to medium grained sandstone

Pore character

C—cracks
FP—fine pore
Frac—fracture
H-Frac—horizontal fracture
I—intergranular
LV—large vugs
MV—medium vugs
OCCPPV—occasional pin point vugs
OCCV—occasional vugs
OV-Frac—open vertical fracture

PPV—pin point vugs
RC—random cracks
R-Frac—random fracture
SI—slightly intergranular
SLV—slightly vuggy
SV—small vugs/slightly vuggy
V—vug(s)
V-Frac—vertical fracture
VC—vertical cracks
VSI—very small intergranular

Character of Rock

Foss—fossil
Oil stains—oil stains shown in sample
PB—pyrobitumen
Stained—stain shown in sample
STY—stylolite

Plug Condition

Broken—sample broken
Fractured—sample fractured