

ABBREVIATIONS

Term	Definition
AACST	Annual Approved Carbon Storage Target
ABEX	Annualised Abandonment Expenditure
ABR	Additional Budget Request
ACAL	Asset Control and Assurance Listing
ACV	Approved Contract Value
A/D	Analogue to Digital
ADP	Area Development Plan
AELB	Atomic Energy Licensing Board
AFC	Approved for Construction
AFR	Approved for Removal
AGA	American Gas Association
ALARP	As Low As Reasonably Practicable
AMIR	Asset Management Integrated Review
ANSI	American National Standard Institute
APB	Annulus Pressure Build-Up
API	American Petroleum Institute
ARCR	Annual Review of Carbon Storage Resources
AS	Affiliate Services
ASTM	American Society for Testing and Materials
AWP&B	Abandonment Work Programme and Budget
BCP	Business Continuity Plan
BDEP	Basic Design & Engineering Package
BDP	Basic Design Package
BFD	Basis for Design
BHP	Bottom Hole Assembly
BHT	Bottom-Hole Temperature
BOCP	Blowout Contingency Plan
BOD	Basis Of Design
BOP	Blowout Preventer
BOSIET	Basic Offshore Safety Induction and Emergency Training
BPEOA	Best Practicable Environmental Option Assessment
BPV	Back Pressure Valve
BST	Basic Safety Training
BT	Budget Transfer
BTEX	Benzene, Toluene and Xylene
CA	Confidentiality Agreement
CAPEX	Capital Expenditure

CCPF	Completion Cost per Foot
CCS	Carbon Capture and Storage
CCUS	Carbon Capture Utilisation and Storage
CDPTF	Completion Days per Thousand Feet
CMMS	Computerised Maintenance Management System
CMP	Corrective Measure Plan
CNG	Compressed Natural Gas
CO₂	Carbon Dioxide
CoO	Cessation of Operation
CoP	Cessation of Production
CPL	Correction for the Effect of Pressure on Liquid
CPS	Correction for the Effect of Pressure on Steel
CRA	Cost Risk Assessment
CRS	Coordinate Reference System
CSEM	Controlled-source Electromagnetic
CSIR	Carbon Storage Information Release
CSP	Carbon Storage Project
CSPRA	Carbon Storage Project Risk Assessment
CSR	Concept Selection Report
CSU	Commissioning and Start-Up
CTL	Correction for the Effect of Temperature on Liquid
CTS	Correction for the Effect of Temperature on Steel
CUI	Corrosion Under Insulation
DAP	Detailed Abandonment Plan
DCS	Decommissioning for Carbon Storage Review
DCPF	Drilling Cost Per Foot
DDA	Due Diligence Assurance
DDP	Detailed Decommissioning Plan
DDPTF	Drilling Days per Thousand Feet
DDR	Daily Drilling Report
DEP	Decommissioning Environmental Plan
DG	Decision Gate
DM	Deferment Management
DOA	Decommissioning Option Assessment
DOE	Department of Environment
DOF	Department of Fisheries
DOR	Daily Operation Report
DP	Dynamic Positioning
DR	Decommissioning Review
DST	Drill Stem Test
ECD	Equivalent Circulating Density

EDG	Exploration Decision Gate
EIA	Environmental Impact Assessment
EM	Electromagnetic
EMP	Environmental Management Plan
EN	European Standard
EPC	Engineering, Procurement and Construction
EPCC	Engineering, Procurement, Construction and Commissioning
EPCIC	Engineering, Procurement, Construction, Installation and
ERM	Enterprise Risk Management
ERP	Emergency Response Plan
ERT	Electrical Resistance Tomography
ESD	Emergency Shutdown
ESDV	Emergency Shutdown Valve
ESRT	Emergency Support Rescue Team
EUR	Estimated Ultimate Recovery
EVM	Earned Value Method
FA	Final Acceptance
FAD	Fish Aggregating Device
FAT	Factory Acceptance Test
FCB	Fast Crew Boat
FCI	First Commercial Injection
FDCR	Final Drilling and Completion Report
FDP	Field Development Plan
FEED	Front End Engineering Design
FFH	Final Facilities Handover
FFR	Full Field Review
FHD	Facilities Handover Date
FI	Final Inspection
FID	Final Investment Decision
FIP	Facilities Improvement Project
FIT	Formation Integrity Test
FMEA	Failure Mode and Effects Analysis
FR	Feasibility Report
FSA	Formal Safety Assessment
FSR	Feasibility Study Report
FTD	Final Total Depth
FWAR	Final Well Abandonment Report
FWIR	Final Well Intervention Report
FWOR	Final Workover Report
FWP	Fire Water Pump
G&A	General and Administrative

G&G	Geological and Geophysical
GHG	Greenhouse Gas
GIS	Geographic Information System
HA	Handover Assurance
HAZID	Hazard Identification
HAZOP	Hazard and Operability Study
HEMP	Hazards and Effects Management Process
HIPPS	High Integrity Pressure Protection System
HIIP	Hydrocarbon Initially in Place
HPHT	High Pressure High Temperature
H₂S	Hydrogen Sulphide
HSE	Health, Safety & Environment
HSSE	Health, Safety, Security & Environment
HSSE MS	Health, Safety, Security & Environment Management System
HUET	Helicopter Underwater Evacuation Framing
HUC	Hook-up and Commissioning
HWU	Hydraulic Workover Unit
IA	Impact Assessment
IADC	International Association of Drilling Contractors
I.D.	Inside Diameter
IE	Injection Enhancement
IEC	International Electrotechnical Commission
IFH	Initial Facilities Handover
IMCA	International Marine Contractors Association
IMO	International Maritime Organization
IOM	Integrated Operation Meeting
IP	Intellectual Property
ISO	International Organization of Standardization
IT	Information Technology
IWR	Idle Well Reactivation
JOA	Joint Operating Agreement
JV	Joint Venture
KOM	Kick-off meeting
KPI	Key Performance Indicators
LLI	Long-lead Items
LTI	Lost Time Injury
LTIF	Lost Time Injury Frequency
LTOBM	Low Toxicity Oil-Based Mud
LNG	Liquefied Natural Gas
LOI	Letter of Intent
LOPC	Loss of Primary Containment

LOT	Leak Off Test
LPG	Liquefied Petroleum Gas
LWD	Logging While Drilling
MAH	Major Accident Hazard
MAP	Measurement and Accounting Procedures
MAOP	Maximum Allowable Operating Pressure
MC	Mechanical Completion
MCD	Mechanical Completion Date
MCM	Monthly Coordination Meeting
MD	Measured Depth
MES	Minimum Environmental Specifications
MFC	Minimum Financial Commitment
MIT	Mechanical Integrity Test
MMV	Monitoring, Measurement and Verification
MOC	Management of Change
MOD	Money of the Day
MoM	Minute of Meeting
MPD	Managed Pressure Drilling
MPR	Monthly Progress Report
MSDS	Material Safety Data Sheet
MTAB	Measurement, Testing, Allocation and Balancing
MTBF	Mean Time Between Failures
MTR	Mean Time to Restore
MTTR	Mean Time to Repair
MWC	Minimum Work Commitment
MWD	Measurement While Drilling
NACE	National Association of Corrosion Engineers
NDT	Non-destructive Test
NFE	Notional Field Exploration
NFPA	National Fire Protection Agency
NLA	Nomination and Lifting Agreements
NMIM-SIRIM	National Metrology Institute of Malaysia – Standards and Industrial Research Institute of Malaysia
NOOP	Notice of Operation
NORM	Naturally Radioactive Materials
NOWAP	Notice of Well Abandonment Plan
NOWIP	Notice of Well Intervention Programme
NOWOP	Notice of Workover Operations
NPT	Non-Productive Time
NREB	Natural Resources and Environment Board
NTU	Nephelometric Turbidity Unit

OCM	Operation Committee Meeting
OCS	Overall Contracting Strategy
OEM	Original Equipment Manufacturer
O.D.	Outside Diameter
OIML	International Organization of Legal Metrology
OJT	On the Job Training
OOC	Oil on Cuttings
OPEX	Operational Expenditure
ORM	Operational Risk Management
ORSA	Operation Readiness and Safety Assurance
OSP	Offshore Safety Passport
OSR MS	Offshore Self-Regulation Management System
PA	Provisional Acceptance
P&A	Plug and Abandonment
PAP	Project Assurance Plan
PAP	Pipeline Abandonment Plan
PBE	Pre-Budget Expectation
PCAP	Project Control and Assurance Plan
PCM	Project Coordination Meeting
PCO	Project Close Out
PCPG	PETROS Contracting and Procurement Guide
PD	Planned Deferral
PDCA	Plan, Do, Check, Adjust
PDG	Permanent Downhole Gauges
PDR	Post Drilling Review
PEMP	Project Execution Management & Planning
PEP	Project Execution Plan
PER	Project Execution Review
PISC	Post Injection Site Care
P&ID	Piping and Instrumentation Diagram
PIMS	Pipeline Integrity Management System
PIN	Project Initiation Note
PIR	Post Implementation Review
PLL	Project Lessons Learnt
PM	Project Manager
PMS	Project Management System
POB	Personnel on Board
POCM	Project Operation Coordination Meeting
PP	Procurement Plan
Ppb	Parts per Billion
PPC	Provisional Post-Closure

PPD	Project Premises Document
PPG	PETROS Petroleum Guideline
PPM	Parts per million
PPR	Project Performance Review
PRA	Project Risk Assessment
PSUA	Pre-Start-up Audit
PTL	PETROS Threshold Limit
PVT	Pressure Volume and Temperature
QA	Quality Assurance
QC	Quality Control
OSH	Occupational Safety & Health
RAM	Risk Assessment Matrix
RCD	Rotating Control Device
RCFA	Root Cause Failure Analysis
R&D	Research and Development
RFC	Ready For Commissioning
RFR	Ready For Removal
RFSU	Ready For Start-Up
ROP	Rate of Penetration
ROV	Remotely Operated Vehicle
RTD	Resistance Thermal Detector
SADIR	Storage Asset Development Integrated Review
SAMIR	Storage Asset Management Integrated Review
SAT	Site Acceptance Test
SBM	Synthetic Based Mud
SCE	Safety Critical Elements
SCSSV	Surface Controlled Subsurface Safety Valve
SCP	Sustained Casing Pressure
SDA	Storage Development Agreement
SDP	Storage Development Plan
SFAP	Surface Facilities Abandonment Plan
SG	Stage Gate Process
SIA	Social Impact Assessment
SIM	Structural Integrity Management
SIMOP	Simultaneous Operations
SIPROD	Simultaneous Production and Drilling Operation
SMP	Storage Management Plan
SPE-SRMS	Society of Petroleum Engineers' Carbon Dioxide (CO ₂) Storage Resources Management System
SPF	Shot-per-foot
SRM	Sarawak Resource Management

SRA	Schedule Risk Assessment
SRP	Security Response Plan
SSA	Storage Study Agreement
SSC	Sulphide Stress Cracking
SSR	Storage Site Review
SSV	Surface Safety Valve
SWAP	Subsurface Well Abandonment Plan
TAM	Technical Authorities Manual
TD	Total Depth
TENORM	Technologically Enhanced Naturally Occurring Radioactive Material
T&D	Torque & Drag
TMS	Technology Management System
TOC	Top of Cement
TRC	Technical Review Committee
TRCF	Total Recordable Case Frequency
TSS	Total Solid Suspension
TVD	True Vertical Depth
TWA	Time-Weighted Average
UAT	User Acceptance Test
UAUC	Unsafe Act/ Unsafe Condition
UNFCCC	United Nations Framework Convention on Climate Change
UPC	Unit Production Cost
UPD	Unplanned Deferral
USDW	Underground Sources of Drinking Water
VDR	Virtual Data Room
WAR	Well Abandonment Report
WBE	Well Barrier Element
WCPF	Well Cost Per Foot
WIMS	Well Integrity Management System
WP	Work Programme
WOC	Wait-On-Cement
WOW	Waiting on Weather
YEP	Year-End Projection
YER	Year End Reporting
YTD	Year-to-Date