## 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 |


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| **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 |
| **$CO_2$** | 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 |


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| **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** | Fornal 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 |


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| **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 |
| **$H_2S$** | 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 |


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| **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 |


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| **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 Deferment |
| **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 |


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| **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 Resources Management System |
| **SPF** | Shot-per-foot |
| **SRM** | Sarawak Resource Management |


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| **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 Deferment |
| **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 |


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