

# FAKHRUL IZZUDDIN BIN DOLAH



**ADDRESS** : LOT 8098 JLN SANTONG, KG. BUKIT MERAH  
23100 PAKA DUNGUN, TERENGGANU , MALAYSIA

**D.O.B** : 7 MAY 1986

**STATUS** : MARRIED **CITIZEN** : MALAYSIA

**PHONE** : +6019-9494291 **E-MAIL** : [fakhrul.i.dolah@gmail.com](mailto:fakhrul.i.dolah@gmail.com)

## EDUCATION & PROFESIONAL QUALIFICATION

2019- 2020 **PETRONAS Group Technical Solution (GTS) , ASME Competency**  
Certified Bolted Flange Joint Integrity (BFJI) Internal Verifier (Lvl 3)  
Certified BFJI Trainer / Assessor (Lvl 4)

2015 – 2017 **PEARSON PLC UK, BTEC Vocational Qualification**  
Certified Internal Assessor (Lvl 3) & Internal Verifier (Lvl 4) for Oil & Gas

2009 – 2012 **University of Liverpool, Bachelor Mechanical Engineering**  
Final Year Thesis: Structural Dynamic Analysis of Wind Turbine

2004 – 2007 **Malaysia's Polytechnic, Diploma in Mechanical Engineering**  
First Class (Distinction with CGPA 3.54/4.00)

2007 – 2009 **Professional English Language Test (IELTS: Band 6 / MUET: Band 3)**

**COMPUTING** - MS Office packages , Design Software AutoCAD, StaadPro , NAVISWork

**LANGUAGE** - Well Speaking & Writing in Malay, English and moderate for Arab Language

## PROFESIONAL EXPERIENCE

2021 – Now **PETRONAS Senior Executive (SME Integrity Engineering)**  
**PETRONAS Carigali, Upstream Malaysia Asset, Kuala Lumpur, Malaysia**

2017 – 2020 **PETRONAS Executive Instructor (Mechanical - Static)**

2015 – 2017 **PETRONAS Program Leader (PESITAS Certification Competency)**  
**Institut Teknologi Petroleum PETRONAS, Batu Rakit, Malaysia**

2012 – 2015 **Field Engineer (Offshore Pipeline & Structure Facilities Installation)**  
**Sapura Energy Berhad (TL Offshore), Seri Kembangan, Malaysia**

2009 – 2012 **FSN Agent (Community HSE Awareness)**  
**Merseyside Fire & rescue, Liverpool, United Kingdom**

2008 – 2009 **Field Specialist (Well Testing – DST/TCP)**  
**Schlumberger WTA (M) , Labuan, Malaysia**

2007 – 2008 **Mechanical Technician (Lead Mechanical Section)**  
**Makarmas Tenaga Sdn Bhd, Terengganu, Malaysia**

2006 – 2007 **Mechanical Fitter**  
**Petrochemical & Power Plant Service, Malaysia**

2004 – 2005 **Cable Jointer Assistant**  
**Perniagaan Mujur Mekar Sdn Bhd, Malaysia**

## PROFESSIONAL DEVELOPMENT PROGRAM

### DATE

9<sup>th</sup> Jan - 31<sup>st</sup> May 2006  
27<sup>th</sup> June & 27<sup>th</sup> Dec 2007  
6<sup>th</sup> June 2008  
17<sup>th</sup> - 19<sup>th</sup> July 2008  
17<sup>th</sup> - 22<sup>nd</sup> Nov 2008  
24<sup>th</sup> Nov - 19<sup>th</sup> Dec 2008  
15<sup>th</sup> Oct 2011  
12<sup>th</sup> Nov 2010  
15<sup>th</sup> Dec 2011  
13<sup>rd</sup> October 2012  
1<sup>st</sup> Nov 2012  
21<sup>st</sup> - 23<sup>rd</sup> May 2013  
21<sup>st</sup> Nov 2013  
28<sup>th</sup> Nov 2013  
22<sup>nd</sup> Jan 2014  
29<sup>th</sup> Sept 2014  
30<sup>th</sup> Sep. 2014  
7<sup>th</sup> - 9<sup>th</sup> Oct 2014  
5<sup>th</sup> - 6<sup>th</sup> Nov 2014  
7<sup>th</sup> - 14<sup>th</sup> Mar 2015  
20<sup>th</sup> - 22<sup>nd</sup> Oct 2015  
25<sup>th</sup> - 27<sup>th</sup> Oct 2015  
11<sup>th</sup> - 12<sup>th</sup> Nov 2015  
23<sup>rd</sup> - 24<sup>th</sup> Nov 2015  
17<sup>th</sup> - 19<sup>th</sup> Jan 2016  
14<sup>th</sup> Aug 2016  
18<sup>th</sup> Feb 2018

### AFFAIRS

Internship at Sultan Ismail Power Plant, Paka, Terengganu, Malaysia  
NIOSH for PETRONAS & TNB course, Kemaman, Malaysia  
GTE Compressor Washing Skid System, Paka, Malaysia  
HUET & Opito Training, Miri, Malaysia  
Com1 Schlumberger at ELC, Melun, France  
Xpert TCP Schlumberger at ELC, Melun, France  
FSN Induction Course, Liverpool, United Kingdom  
FSN Drug & Alcohol Awareness Training, Liverpool, United Kingdom  
FSN Competent Driving Test, Liverpool, United Kingdom  
BOSIET & TSBB Training, Pasir Gudang, Malaysia  
ExxonMobil Loss Prevention System course, Kemaman, Malaysia  
ExxonMobil Work Management System course, Kuala Lumpur, Malaysia  
SKPB Project Insurance & Mobilization of MWB, Putrajaya, Malaysia  
SKPB Course, Basic Welding for Engineer course, Putrajaya, Malaysia  
SKPB Course, Work Hazard Management, Seri Kembangan, Malaysia  
Oceaneering Umbilicals and Subsea Hardware, Kuala Lumpur, Malaysia  
Microsoft Excel (Advance) course, Seri Kembangan, Malaysia  
CIDB Oil&Gas Green Card Competency Course, Seri Kembangan, Malaysia  
Technical Report Writing O&G Professionals, PLC Bangi, Malaysia  
Oil & Gas HSE Management System and Mandatory Control Framework  
BTEC Effective Delivery and Quality Assurance course, Batu Rakit, Malaysia  
BTEC Assessor Level 3 training, Batu Rakit, Malaysia  
Internal Audit MS ISO 9001:2008 Course, Batu Rakit, Malaysia  
OPITO Assessment Package Development Workshop, Batu Rakit, Malaysia  
BTEC Verifier Level 4 training, Batu Rakit, Malaysia  
INSTEP Integrity Module Course, Batu Rakit, Malaysia  
Basic Welding Defect The Welding Institutes, Malaysia

## CORPORATE TRAINING

2016 - 2020

**Havard Manage Mentor Modules, United Kingdom**

- 1) Persuade Others 2) Team Creation 3) Coaching For Action
- 4) Lead People 5) Stress Management

**Lean Six Sigma, Malaysia**

- 1) Green Belt

**2021 – Present**

Senior Executive (SME Integrity Engineering)

PETRONAS Carigali , Upstream Malaysia Asset ([www.petronas.com](http://www.petronas.com))



**PETRONAS**

SME for Upstream Malaysia Asset providing technical assurance and engineering solution for Piping, Pipeline & Structure Integrity across the Malay Basin assets facilities – Oil, Gas platforms & Terminals. This including piping, pipeline system and its components, including mechanical valves and special items, in accordance with ASME B31, API codes, PTS and technical guidelines ensuring asset integrity and reliability by means of good engineering, maintenance practices within the unit maintenance cost budget, schedule and fully compliance with the company's HSE requirements.

- Develop, plan and endorsed the procedure, asset assessment, FAT, SAT, PAT inspection and post construction maintenance activities for the Asset via Topside Major Maintenance (TMM), Construction Work Request (CWR), Turnaround (TA), First Line Maintenance (FLM) and any study/assessment approaches to ensure the under the technical codes and guideline governance.
- Attend the CWR (Const. Work Request) and define the Risk Assessment for measure defect priority before preparing basic and detailed engineering packages for piping, pipeline system solution method through syndication with Operation and Inspection team
- Establish Maintenance System Database including (VRD – Valve Reliability Database, PSI - Piping System Index) in improves the standard governance of each piping components through all essential data process captured & written in Databank. With the data analytics (descriptive), piping integrity's issue pattern, trending and correlation can be establish using data driven solution to come out with quick solution and Piping Integrity Program (PIP).
- Technical Initiatives for uphold the integrity of Piping on Peninsular Malaysia Asset in the Facilities Improvement Project, FDP and ALES Assets Life Evaluation Study and ensure Audit Closure - MCF9, IOAIA, OSRMS, IAP in each project.
- Organize Knowledge Management through sharing training / workshop to inculcate and to share perspectives, ideas, experience, and information; to ensure that these are available in the right place at the right time to enable informed decisions; and to improve efficiency by reducing the need to rediscover knowledge.
- Perform the DDA Assessment to renew PSC Contract prior expired, attend the Site Technical Queries by Contractor for each asset strategic division by Oil, Gas and Terminal sector

Summary of Facilities:

- Oil Platform - Angsi , Tapis , Tiong , Puteri, Dulang , FPSO Puteri Dulang, Bunga Kertas
- Gas Platform - Ledang, W.Natuna, Duyong, Ledang , Tangga Barat, Resak, Bunga Raya
- Terminals – TCOT, TGASt, OSC , OGT

**2017 – 2020**

Executive Learning Facilitator (Mechanical Static)

Institutes of Petroleum Technology PETRONAS ([www.instep.my](http://www.instep.my))



Support competency-based & technical development for PETRONAS's Engineer, Specialist, Operator, Technician by delivered Technical & Operational training courses (MECHANICAL Upstream & Downstream) at the INSTEP to meet with the job's operational, technical requirements in ensured that staff are ready for their further development at the sites.

- PTP - Petroleum Technology program for first entry trainees - BTEC , OPITO
- PDP - Professional Development program for Skillgroup (SKG) Mechanical Engineers & Non-Executive (NET)
- A&C - Assessment & Certification required in O&G industry in meeting the legislation by Authority Bodies of DOSH, DOE and Energy Commission

Summary of Technical Course Delivered :

- Develop & Deliver modules HE, PSV, Scaffolding for Ups. Operation Induction Program
- Developing OBE Documents of Static Subject for Advanced Diploma Program (MQA)
- Developing & documentation of Valve Maintenance Procedure (Manual & Actuated Valve)
- Deliver module Static Equipment 2, Diesel Engine & Lifting & Rigging for PTP-1
- Deliver Steam Boiler Driver course for Off-The Shelf program

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**2015 – 2017**

PETRONAS Program Leader PESITAS

Institutes of Petroleum Technology PETRONAS ([www.instep.my](http://www.instep.my))



Perform a management roles in business strategic planning of Assessment & Certification's Programs for INSTEP - Institutes of Petroleum Technology PETRONAS (Technical and Training Institutes) for the following programs :

- Certification of I.C.E & Steam Boiler for PETRONAS Engineer/Driver (PESITAS)
  - ✓ ICE Driver Grade 2&1
  - ✓ ICE Engineer Grade 2&1
  - ✓ Steam Driver Grade 2&1
  - ✓ Steam Engineer Grade 2&1
- Program Technology Petroleum of Mechanical (PTP-1)
- Customization programs to suit BTEC or OPITO qualification and standardization

Summary of routine task associated :

- Conduct Quality Assurance & Quality Check for PESITAS Program
- Review or verify any new/amended assessment pack or verification standards to ensure the Program's Standards/Checklist used are updated
- Plan, implement and maintain in line managing BTEC and PESITAS program
- Drive quality improvement to customized and non-customized to enhance quality and/or delivery or cost effectiveness
- To conduct Standardization Meeting for Academy by present and reporting the output from Quality Management Meeting (IQAC)
- Plan for Engagement Meeting with Regulatory Body, Accreditation Body and Board of Management by Quarterly and Annual basis in maintaining the Program's Standard

**2012 –2015**

Offshore Installation Engineer

SapuraKencana Petroleum Berhad, Malaysia ([www.sapurakencana.com](http://www.sapurakencana.com))



Perform a project preparation work for Offshore Facilities Transportation & Installation project.

Summary of routine task associated :

- Review of T&I scope of work, Client's AFC drawings & confirmed through Client Liaising technical meeting.
- Conduct site inspection to identify constraints, project obstruction and rigging method for proposed project.
- Develop installation procedure, load out coordination manual , Develop material take-off (MTO) from the input. Design installation aids required (spreader bar, pipeline pulling heads, tie-down transportation, riggings arrangements, etc).
- Develop anchors patterns for barge/vessel for offshore installation.
- Manage barge/vessel's deck - Develop lift plan, ROV/Dive plan, Action List for Construction Team and Review & verify subcontractor's DPR. Compile of close-out report, DPR, Pipe tally sheet, MOM & etc for as-built

**2009 – 2012**

FSN Agent

Merseyside Fire & Rescue Services, UK ([www.merseyfire.gov.uk](http://www.merseyfire.gov.uk))



Volunteering in Fire Support Network community project for Liverpool resident in the different opportunities which one suit with my spare time. Basically we are reducing the risk of fire , accident by providing safety equipment and deliver a message to alert the people either the risk from inside or outside of their house . Beside that we promoting Merseyside Fire & Rescue services in fostering people to leverage their facilities towards the neighbourhood security & wealth issue . In the past I've involved in Social Welfare & Support team and Safe At Home project based in FSN HQ at Bootle, Liverpool, United Kingdom.

**2008 – 2009**

Field Specialist TCP

Schlumberger WTA (M) Sdn Bhd, Malaysia ([www.slb.com](http://www.slb.com))



Certified as Worldwide Tubing Convey Perforation (TCP) Specialist, carry out the well perforation operation task for any Schlumberger client globally. Summary of routine task associated :

- Assigned based was in Asia / Malaysia / Labuan
- Perform well-perforating operation (Open/Cased hole)
- On job training in Malaysia Water and Oman field (Marmul)
- TCP Specialist Work Scope ; preparation job from well recognition, identify the suitable gun, type of charges , determine the best firing gun , rig-up the gun at the Gun and deploy the job

**2007 – 2008**

Mechanical Technician

MTSB Sdn Bhd, Malaysia ([www.makarmas.com](http://www.makarmas.com))



Lead Mechanical division for small branch in Paka

Project Assignment History

- DOSH Inspection Preparation Work (Gas Turbine, Boiler, Steam Turbine units)
- Pipeline Fabrication, Installation, Commissioning and Testing of GT Washing Skid Unit
- Developing a Corrective Maintenance Procedure for Power Plant Roller Shutter
- Tubing Cleaning of Waste Heat Boiler Unit & Boiler Tube (Air Pressure Blow-out)
- Fabrication of Excess platform for Grand Seal Header valve

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**2006 – 2007**

Mechanical Fitter

Petrochemical & Power Plant Service, Malaysia



Perform an intermediate-level maintenance job for Gas Turbine Power Plant such as motor alignments, perform advanced equipment inspections/servicing, perform minor welding, make piping connections and troubleshoot small equipment. Afterall the task objective is to preparing the pressurized plant equipment for to be inspected by the Department of Safety and Health Malaysia, DOSH.

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**2004 – 2005**

Cable Jointer Assistant

Perniagaan Mujur Mekar Sdn Bhd, Malaysia

Duties included the measurement for layout the cable by become an assistant to technician. Manage the labour worker for Replace 11KV Cable project. The post provided an exposure of basic works at the site and learnt how to work with a number of staffs and clients and how to make a good relationship with them.

**REFERENCE**

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Mr. Adib Eddep Hakimi

+6013-903 5999 , ([ahakimi@gsg.com.sg](mailto:ahakimi@gsg.com.sg))

CEO Energis (former Field Service Manager, Schlumberger WTA(M), Rohas Kuala Lumpur

Mr. Mohd Badli Bin Mohd Ali

+6013-951 4421 , ([mohdbadli.mohdali@exxonmobil.com](mailto:mohdbadli.mohdali@exxonmobil.com))

KSB Shorebase Superintendent (PIC) for ExxonMobil, Kemaman Supply Based

Mr. Muhammad Afifi Che Rawi

+65 9656 0640 ([muhammad.afifi@aqualisbraemar.com](mailto:muhammad.afifi@aqualisbraemar.com))

Senior Adjustor Aqualis Bremar, Singapore (former Snr Engineer, Sapura Energy Berhad)

Ts. Kamal Baharin Bin A Ghani

+6019-929 5625 ([kbaharin\\_aghani@petronas.com.my](mailto:kbaharin_aghani@petronas.com.my))

Principal Engineer PETRONAS

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Technical, Project Consultation History (2015 – 2023)



1. Assist mechanical team in providing technical consultancy for business proposal for SAMUR (NET Operation Multitask, ExxonMobil, ORPIC, OGC, Enquest,, OMAN Gas, ORPIC and BFI – customer signed LOA and executed the technical capability development.
2. Certified as Profesional Trainer by Malaysia Institutes of Management (MIM). Subsequently certified and recognized in delivering NET Upgrading and customised program related to Piping System , Valves & Safety Valves Maintenance and Repair.
3. Representative MA-Static in enhancement of NET Upgrading materials (Mechanical Trade). Achieved 100% alignment of training material against POSS Mechanical including new development and enhancement of training materials. Presented to TACTO members on 23 July 19 on the Project Revival initiative and status update.
4. Accomplished Pit-Stops for INSTEP UDT Plant as PSV Maintenance Engineer, supervised maintenance, testing and verified 69 units of Pressure Safety Valves for UDTP - UTILITY , CDU & HTU ahead the schedule which contributing to cost optimization of maintenance
5. Representative INSTEP as a Committee Members in Development of PETRONAS Technical Guideline BFJI that successfully roll-out on 1 February 2020. As a result contribute to OPU saving is RM 475 K per year due to we have internal competent JI personnel being trained using GTS module and internal capability trained the competency training instead of external sourcing. This significantly reduce the PETRONAS production loss by LOPC that greatly occurred since 2014.
6. Committee Members in SI&R development for TTS Bolted Flange Joint & Composite Repair that successfully roll out on June 2020. This is the first TTS for Static Discipline in PETRONAS to ensure field support of BFJI implementation at each OPU.
7. SME Piping Integrity for multi-cluster supporting the Valve Datasheet preparation, Turn Around Technical & Site Troubleshooting, Leading the RCFA, Technical SME in Incident Investigation and also perform the Mechanical Integrity Audit ahead of schedule. As a result, improves the technical issue at site and implementation of technical guideline, 100% Closures of overall AUDITs for Governance Compliances and provide assurance for PMA to operate as per Safe Operating Envelop.
8. Provide assistance to Principal for Piping Technical and Governance Assurance in resolving emerging issues, that lead to avoidance of Unplanned Production Deferment (UPD) = RM 205.7 Mil, Production gain = RM 55.84 and Cost Avoidance = RM 8.795 Mil
9. Led FFS Assessment for P1 finding on 30" SS Main Gas Line at Tangga Barat. Performed screening on the findings and only 6 out of 19 proceed for assessment hence able to completed in 1month. Conducted few discussion with GTAs and the piping able to be derated. Cost avoidance = RM 7.02 Mil for replacement and avoid 14days UPD = RM 45Mil
10. Steer application of Belzona Metal Putty for Non Standard Repair (NSR) on emerging findings Angle Valves at BeC, Leak at Ledang D3L tailpiece of compact manifold and Tiong V-130 Bridle. Conducted virtual training to offshore personnel for execution. Convinced GTAs on the application. UPD avoidance = RM 10.7 Mil due to 4days required for repair at BeC (135mmscfd) and 7days replacement of tailpiece (8mmscfd). All has been permanently rectified during Sept and Oct 2020 SD. Cost avoidance = RM 500k
11. Led on Valve Integrity Assurance that resulted in total 202 nos of valves being rectified (124 refub) register estimated UPD = RM 42Mil and Cost Avoidance RM 7.484 Mil (Has achieved Generative and Maturity stage - receptive by Operations)
12. Appointed as Adjourn Lecturer by University Malaysia Terengganu, UiTM Bukit BEsi & Univeristi Malaysia Pahang to share an industrial topic . This has credit to PETRONAS as their Instructor are professionally acknowledge beside able to build a strong collaboration with accreditation institutes.
13. Provide Technical Support to two (2) collaboration technical program with UMP (Bachelor Program) & CIDB Pusat Latihan Bertauliah,PLB as part of National Agenda of Industrial Revolution , IR 4.0

Offshore Project Work History (2012 – 2015)

Oct to Dec 2012



**ExxonMobil – Telok & Tapis EOR & Rejuvenation Campaign YR2012**

16" Riser for FWS Line from Guntong-E to Telok-B field

- Successfully performs Pre-Commissioning for 28" X 26.5km Pipeline
- Barred-Tee Spool Tie In Installation

MW Barge: *DLB Enterprise 3*

Dec to Jan 2013



**ExxonMobil – Tapis & Damar Pipeline Installation Programme YR2013**

Project Preparatory Work at Johor Port, Pasir Gudang for 16"X 22km

Damar-A to Lawit-A Pipeline Installation Programme

- Perform Site visit and captured in DPR with pictorial progress
- To ensure all material registered in MTO/RO master list are delivered
- To confirm and verified all installation aids for project are completely fabricated and ready to be shipped out
- To trial fit copper tube and internal equipment sling
- To trial fit temporary flange protector to ensure no clashing with possible structure i.e. valve protection frame, valve handle during operation
- To ensure the fitting @ pulling heads are function
- To ensure official leak test conducted and method of statement form signed by all parties especially CLIENT representative
- To check the DMA and other slings wire length and MBL against RO required length
- Perform visual and document inspection for all slings and material certificate

Offshore Based : *Johor Port Warehouse*

Mar to April 2013



**ExxonMobil – Telok & Tapis EOR & Rejuvenation Campaign YR2013**

Mobilization of DLB Enterprise 3 and performs the following projects :

- 18" TaC-TaQ Pipeline Sidewalk at Tapis-C
- 10" TaA-TaC Pipeline Sidewalk at Tapis-A
- 14" x 3.9km Tapis-Q to Tapis-D Pipelay , Lowering & Sidewalk (Bow lift) at Ta-D
- 800MT Huisman Crane Load Test
- 10" x 3.9km Tapis-Q to Tapis-D Pipelay , Lowering & Sidewalk (Bow lift) at Ta-D

MW Barge: *DLB Enterprise 3*

June to Oct 2014



**ExxonMobil – Telok & Tapis EOR & Rejuvenation Campaign YR2013**

Lead Engineer for preparatory work at Tapis-A Platform, Tapis-C, Tapis-D, Tapis-E and Tapis-P for the following projects:

- Installation of 6",10",14",16" & 18" Risers
- Installation 4 units of 12" J-tubes
- Removal work for 4 unit of Platform Boatfenders

Vessel : *MPSV Bourbon Evolution 803, DPMSV Kruez Installer*



Mar to June 2014



**ExxonMobil – Tapis Pipelines Pre-Comm Campaign YR2014**

Pigging & Hydrotest Operation from Permanent Launcher to Subsea receiver for :

- 18" Tapis-Q to Tapis-F pipeline
- 18" Tapis-Q to Guntong-E pipeline
- 12" Tapis-Q to Tapis-A pipeline
- 10" Tapis-Q to Tapis-P pipeline
- 16" Tapis-Q to Tapis-A pipeline
- 18" Tapis-Q to Tapis-C pipeline
- 10" Tapis-Q to Tapis-D pipeline
- 14" Tapis-Q to Tapis-E pipeline
- 14" Tapis-Q to Tapis-D pipeline
- 6" Tapis-Q to Tapis-D pipeline

MW Barge : *DPB SapuraKencana 900*

(concurrent)

**ExxonMobil – Telok & Tapis EOR & Rejuvenation Campaign YR2014**

Dummy Spool Removal and Spool Installation:

- 18" Guntong-E to Tapis-F dummy spool removal using diamond wire cutter (DWC) at 2 nos spool tie-in location
- 18" Tapis-Q to Guntong-E and 18" Tapis-Q to Tapis-F spools installation at tie-in location (1.7km from Tapis-Q)

MW Barge: *DPB SapuraKencana 900*

June to July 2014



**Telok & Tapis EOR & Rejuvenation YR2014 Campaign**

Lead Engineer for preparatory work for Tapis Riser Guard Installation

Concurrent with Riser Guard Installation :

- Riser Guard at Tapis-C
- Riser Guard at Tapis-E
- Riser Guard at Tapis-D
- Riser Guard at Tapis-A

MW Barge: *DPB SapuraKencana 900*

Aug to Sept 2014

**Murphy Oil Corporation – South Acis YR2014 Pipeline Installation**

Mobilization of DLB SK 2000 and performs the following projects:

- 6" X 3.729km SA-PA to SA-SA Water Injection Pipeline Installation, Lowering and Sidewalk at SA-PA platform.
- 8" X 3.729km SA-PA to SA-SA MultiPhase Oil Pipeline Installation, Lowering and Sidewalk at SA-PA platform.
- 6" and 8" X 3.729km SA-PA to SA-SA Pipeline Flooding
- SA-SA 4 Legged Jacket Lift Installation 600MT

MW Barge: *DLB SapuraKencana 2000*

## Offshore Project Work History (2012 – 2015) – cont'd

**April to May 2015    HESS Exploration and Production Malaysia B.V– North Malays Basin**



### **YR2015 Pipeline Installation Campaign**

Mobilization of vessel and performs the Pre-Lay Survey for the following pipelines:

- 24" X 18.195km BRG-CPP to Energy-PLTS Gas Export Pipeline
- 12" X 5.120km BRG-C to BRG-CPP FWS Pipeline
- 12" X 8.670km BRG-D to BRG-CPP FWS Pipeline
- 16" X 20.596km B.Kesumba to BRG-CPP FWS Pipeline

Survey Vessel: *M.V Teknik Putra*

## Well Downhole Operation Work History (2008-2009)

**March to May 2009    PETRONAS - Bokor Field Campaign (IPM Schlumberger).**

- Successfully perforated 2 Water Injector Wells on DD3

**July 2008    Murphy Oil Corporation- Kikeh Field Campaign**

- Successfully perforated 1 Water Injector Wells on Ocean Rover

**Sept to Octr 2008    PDO in Marmul Field Campaign**

- Successfully perforated 5 Onshore Wells at Kikeh, Maurid , Thuleilat, Amal & Marmul field.

## Power Plant Project History (2007 – 2008)

- DOSH Inspection Preparation Work (Gas Turbine, Boiler, Steam Turbine)
- Pipeline Fabrication for Gas Turbine Washing Skid System
- Installation, Commissioning and Testing of Gas Turbine Washing Skid Unit
- Developing a Corrective Maintenance Plan (Roller Shutter)
- Manual Cleaning Line of Waste Heat Boiler Unit & Boiler Tube Cleaning (Air Pressure Blow-out)
- Supply and Install Exhaust Fan, Ducting and Awning
- Fabrication of Excess platform for Grand Seal Header valve
- Installation of Sliding Door for Steam Turbine Chlorination Pipe rack
- Fabrication & Installation of Oily Water separator Cleaning Bay & Related Trays
- Repair and maintenance works for Turbine Hydraulic Jack