Subsea Engineering Case Study
BOP Frame & BOP Handling Frame
Sheet 1 of 3

BOP Frame Assessment:

- **JOB 2112**
  - M G Halme
  - BOP Frame Strengthening
  - (Avoid Load By Pass)

- **JOB 2154**
  - Transocean Legend
  - BOP Frame Verification
  - (Avoid Load By Pass)

- **JOB 2197**
  - Polar Pioneer
  - New LMRP and Strength Verification
  - (BOP Frame Recertification)

- **JOB 2552**
  - Paul B. Loyd Junior
  - BOP Frame Strengthening Verification
  - (Modification to Receiver Plate)

- **JOB 2487**
  - Sedco 711
  - BOP Support Frame
  - (Well Head Bucket Verification)

- **JOB 2785**
  - Paul B. Loyd Junior
  - BOP Guide Frame Strength Verification
  - (Global Strength Check)

BOP Handling:

- **JOB 2035**
  - NOV BOP Lifting Ring
  - (Transporting Annular to Rig)

- **JOB 2828**
  - Marianas MPD Support System
  - (Over BOP Carrier)

- **JOB 2107**
  - NOV BOP Lifting Ring
  - (Improve Lift.)

- **JOB 2329**
  - Transocean Winner
  - Angel Wings Upgrade
  - (In step With BOP Weight)

- **JOB 2349**
  - Nexen Tree Handling Skid Frame
  - Angel Wing in Operation
  - With Tree Trolley (Fork Down)

- **JOB 2437**
  - Jim Cunningham
  - BOP Support Frame for Wellhead Gasket Inspection
  - (Avoid Working Under Suspended Load)

- **JOB 2627**
  - Rather IWOCS UTA Hang Off
  - Posts on BOP Transporter
  - (Pay Load Determination)

Key word: Rig Engineering, BOP frame assessment, BOP component assessment, BOP handling, BOP accessories, BOP control system, Supplementary services, Subsea engineering case study summary.
**BOP Component Assessment:**

**JOB 1953**
Sedco 711
Re Entry Guide Cone
(Quick Connect Funnel)

**JOB 2507**
Rather
BOP Wellhead Connector Change out
(Tree Intervention)

**JOB 2528**
Rather BOP Modifications
Lower Guide Frame
(Tree Intervention)

**JOB 2601**
Polar Pioneer
BOP Lower Frame Modification
(Tree Intervention)

**JOB 2615**
Polar Pioneer
New Wellhead Spider
(Drop Down System)

**BOP Accessories:**

**JOB 2726**
AKHER H3
APV System Verification
(Fitness for Purpose)

**JOB 1919**
Prospect BOP
Maintenance Platform
(Over Moon Pool Access.)

**JOB 2832**
Discoverer Spirit
Drill Line Spreader Bar
(Heavy Lift System)

**JOB 2820**
Sedco Energy
BOP Modification (Drawings)

**JOB 2632**
Sedco 711 Series
Subsea Hose Deployment System Verification
(Flow Line to Tanker)

**JOB 2377**
AKHER H3
ASME VIII Verification
(Compress Assessment)

**JOB 2399**
Magellan
BOP Test Tool

**JOB 2755**
Energy Riser C&K line test cap
(Hydro Test)

**JOB 2456**
Monarch
BOP Test Mandrel

**JOB 2544**
AFS BOP Bonnet
Test Plate

**JOB 1837**
Sedco 711
BOP Test Tools

**JOB 2698 / 2718**
Magellan/Sedco Express BOP
(Lifting Test Tools)

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Subsea Engineering Case Study
BOP Control and Supplementary Parts
Sheet 3 of 3

BOP Control System:

**JOB 2230**
Rather / Richardson
Pod Hose Upgrade (Deepwater Upgrade)

**JOB 2542**
Paul B. Loyd Junior
Pod Hose Reel Swing System (Swivel System for Banana Sheave)

**JOB 2420**
Sedneth 701
Hydro Test Blanking Plate for Diverter (Field Application)

**JOB 2457**
Jim Cunningham
Pod Hose Reels Upgrade and Strengthening (Deepwater Upgrade)

**JOB 2485**
Prospect
Mouse Hole Upgrade (Heavier Tubular)

**JOB 2330**
Sedneth 701
Pressure Well Control Piping System Verification (Global Condition & Recommendation)

**JOB 2502**
Sedco 714
Sandline Clamp (Block Hang off)

**JOB 2720**
Sedneth 701
New Flare Boom System (Flaring off New Design)

**JOB 2810**
RIG 135
Stripping Tank System

**JOB 2160**
Monarch
Mouse Hole Upgrade (Heavier Tubular)

**JOB 2829**
Prospect MRT Sheave
(Riser Tensioner Turn Down Sheaves)

**JOB 2300**
Sedneth 701
Hydro Test Blanking Plate for Upper Ball Joint (Field Application)

**JOB 2523**
Jim Cunningham
Pod Hose Reels Upgrade and Strengthening (Deepwater Upgrade)

**JOB 2523**
Jim Cunningham
Pod Hose Reels Upgrade and Strengthening (Deepwater Upgrade)

**JOB 2829**
Prospect
Pod Hose Reel Swing System (Swivel System for Banana Sheave)

**JOB 2485**
Prospect
Mouse Hole Upgrade (Heavier Tubular)

**JOB 2485**
Prospect
Mouse Hole Upgrade (Heavier Tubular)

**JOB 2720**
Sedneth 701
New Flare Boom System (Flaring off New Design)

**JOB 2810**
RIG 135
Stripping Tank System

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