



PSAC/SAIT Well Testing Training Program



Module Content – Level A

1. Glossary of Terms
2. Personal Protective Equipment
3. Fire Safety
4. Portable Fire Extinguishers
5. Gas Hazards
6. Introduction to Back Care
7. Introduction to Fall Protection
8. Introduction to Hearing Protection and Conservation
9. Introduction to Ladders, Scaffolding, and Rigging
10. Workplace and Tool Safety
11. Wrenches, Screwdriver, Pliers, and Clamps
12. Basic Arithmetic Operations
13. Fractions, Decimals, and Percentages
14. Writing Fundamentals I – Sentences
15. SI Units
16. Production Testing
17. Drilling Methods and Equipment
18. Service Rigs and Other Services
19. Pressure
20. Well Equipment - Casing, Tubing and Wellheads
21. Temperature Measurement Devices

Module Content – Level B

1. Communication and Safety
2. Interpersonal Communication I - Perceptions and Barriers
3. The Cost and Effects of Workplace Injury
4. Introduction to Occupational Hygiene
5. Fires and Extinguishing Media
6. Introduction to Static Electricity
7. Areas and Volumes of Solids
8. Unit Conversions
9. Properties and Characteristics of Natural Gases
10. Gas Detection Equipment
11. Introduction to Piping and Piping Fittings
12. Introduction to Valves
13. Gaskets
14. Pressure Measurement Standards
15. Introduction to Temperature Measurement
16. Introduction to Process Measurement
17. Flow Measurement - Orifice Plates
18. Flow Measurement - Orifice Plate Installation
19. Density and Specific Weight
20. Emulsions
21. Testing, Completion and Production Methods
22. Land Survey Systems

Module Content – Level C

1. Oil Field Operations Overview
2. Hazardous Area Classification
3. Explosion Proof Equipment
4. Intrinsically Safe Circuits
5. Introduction to Spill Containment and Control
6. Environmental Monitoring of Air Pollutants
7. Roles of ASME, NBBI and the Jurisdictions
8. Preventative Maintenance
9. Standard Valves
10. Piping Materials and Connections
11. Oil and Gas Separation and Separator Design
12. Handling and Storage of Gases
13. Classification of Light Hydrocarbons
14. Hydrocarbon Storage and Loading
15. Shipping and Transportation of Fluids
16. API Gravity Determination
17. Acids, Bases and Salts
18. Chemical Inhibition and Solvents
19. Hydrate Control
20. Fluid Turbine Meters
21. Purging and Ventilating

- To register, download the Registration Form at <http://www.pvac.ca/resources/well-testing-and-training-program/> or contact PSAC at accounting@pvac.ca or 403-264-4195
- For more information on course content and assignments, contact SAIT at gomt.info@sait.ca or 1-800-661-1268



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Module Content – Level D

1. Environmental Operating Procedures
2. Electronic and Pneumatic Control Systems
3. Pneumatic Recorders
4. Velocity Flow Meter
5. Tubing and Tube Fittings
6. Ratio and Proportion
7. Field Operations – Line Heaters
8. Portable Flarestacks
9. Sampling of Hydrocarbon Gases and Liquids
10. Equipment Selection and Set-Up
11. Conventional Separators
12. Fracs / Stimulations / Tree Savers and Equipment
13. Chokes, Frac Manifolds and Abrasive Control
14. Production Problems and Prevention
15. Incident Reporting, Investigation and Analysis
16. Handling of Hydrocarbon Fluids
17. Handling Hazardous Wastes Safely
18. Introduction to Hazard and Task Analysis
19. Safety Equipment

Module Content – Level E

1. Snubbing Operations
2. Generators and Engine Maintenance
3. Data Gathering and the ERCB
4. H₂S Scrubbing Systems
5. Propane and Sweet Gas Systems
6. Emergency Shut Down Systems (ESDs)
7. Introduction to Emergency Response / Contingency Planning
8. Flanges, Hammer Unions and Other Connectors
9. Service Rigs: Swabbing Operations and Steam Handling
10. Coiled Tubing (N₂ Pumpers)
11. Perforating and Wireline Services
12. Artificial Lift – Gas Lift / Plunger Lift
13. Introduction to Pumps
14. Pump Operation and Maintenance
15. Quality Control
16. Handling Radioactive Materials
17. Free Standing Flare Stack Erection and Anchoring
18. Ground Disturbance

Module Content – Level F

1. Post Job Management
2. Linear Velocity and Acceleration
3. Oil and Gas Compositions and Sales Specifications
4. Introduction to Regulators and Regulations
5. Underbalanced Drilling and Completions
6. Determining the Controller's Action
7. Introduction to Piping Systems
8. Introduction to Non-Destructive Examination (NDE)
9. Gas Compression - Auxiliaries, Stage Arrangements
10. Occurrence of Petroleum Deposits
11. Corrosion Control
12. Corrosion Mechanisms
13. Wellbore Circulation Systems
14. Real Gas Relationships

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