JUPITER PRIME

Consulting • Training • Advisory

جوبيتر برايم للاستشارات والتدريب

COURSE BROCHURE

# Reservoir to Export Integrated Production Review Training Course

23 – 27 May 2027
Manama

**jupiterprime.uk**

info@jupiterprime.uk

Registered in the United Kingdom and Saudi Arabia

# Reservoir to Export Integrated Production Review Training Course

**Ref:** 2980_112967 **Date:** 23 – 27 May 2027 **Location:** Manama **Fees:** 5500 GBP

Reservoir to export integrated production review is a 1-week training course for asset, production and reservoir engineers who must look at wells, reservoir and surface facilities as one system and find where output is being lost, ending in an integrated asset opportunity register. Many assets still review the subsurface and the plant in separate meetings, so the true limiting constraint is often missed. Jupiter Prime Training delivers this reservoir to export integrated production review course.

## Why Reservoir to Export Integrated Production Review Matters Now

Mature fields face rising water cut, falling pressure and ageing plant at the same time, and a fix in one part of the chain can simply move the constraint elsewhere. Asset owners expect more output from existing infrastructure before approving new wells or equipment. Meanwhile, live data from wells and plant now reaches engineers faster than any single discipline can interpret it. An asset that reviews the whole chain together spends money on the real constraint; one that reviews it in pieces risks paying for well work the separators cannot handle.

## Who Gains Most from Reservoir to Export Integrated Production Review

- Reservoir engineers who track pressure support, sweep and well potential
- Production engineers who manage well performance, lift and choke settings
- Facilities engineers who monitor separation, compression and water handling capacity
- Asset engineers who compare opportunities and prepare budget cases
- Surveillance engineers who maintain well tests, allocation and loss accounting

Asset groups gain most when reservoir, production and facilities engineers from the same field attend together.

## Reservoir to Export Integrated Production Review Capabilities

Participants follow each barrel from the reservoir through the well, the gathering network and the plant to the export point.

- Assess well potential against delivered rates using inflow and outflow curves — production engineer
- Calculate gathering network and plant capacity limits — facilities engineer
- Apply production loss accounting to separate planned, unplanned and constrained losses — asset leadership
- Test optimisation options on an integrated network model — reservoir and production engineers
- Weigh opportunities by gain, cost and risk — asset budget review
- Communicate a ranked set of actions across disciplines — field management

## Key Reservoir to Export Integrated Production Review Terms

- Technical potential — the rate a well or asset could deliver if no surface or operating limit applied.
- Production loss accounting — recording the gap between potential and actual output by cause and location.
- System constraint — the single limit in the reservoir, wells, network or plant that caps total output.
- Integrated network model — a linked calculation of reservoir, wells, pipelines and plant used to test changes.
- Allocation — dividing measured export volumes back to individual wells using tests and meters.
- Opportunity register — a ranked list of actions with expected gain, cost, risk and owner.

## Reservoir to Export Integrated Production Review Day by Day

### Day 1: The Production Chain as One System

- Reservoir to Export Flow Map — Locating Every Pressure Drop and Capacity Limit
- Technical Potential Versus Actual Output — Sizing the Production Gap
- Production Loss Categories — Planned, Unplanned and Constrained Shortfall
- Well Test and Allocation Quality Check — Trusting the Numbers Before Acting
- Integrated Surveillance Dashboard — Daily Signals From Wells, Reservoir and Plant

### Day 2: Reservoir and Well Performance

- Pressure Support and Voidage Trends — Reservoir Limits on Future Rates
- Inflow and Outflow Curve Matching — Well Deliverability Diagnosis
- Water and Gas Breakthrough Signals — Choking Back or Shutting In Wells
- Artificial Lift Performance Review — Lift Gains Worth Pursuing
- Skin and Damage Indicators — Stimulation Candidate Screening

### Day 3: Network and Facility Constraints

- Gathering Network Back-Pressure Analysis — Flowline and Manifold Restrictions
- Separator and Water Handling Capacity Check — Liquid Limits at the Plant
- Compression and Gas Handling Limits — Gas Rate Ceilings
- Export and Storage Constraints — Pipeline, Tankage and Quality Specifications
- Constraint Location Test — Moving the Limit Without Losing Output

### Day 4: Optimisation Options and Ranking

- Integrated Network Model Runs — Testing Choke, Lift and Routing Changes
- Well Priority Rules Under Plant Limits — Which Wells Flow First
- Low-Cost Operating Changes Versus Capital Projects — Spending Order
- Gain, Cost and Risk Scoring Matrix — Comparing Unlike Opportunities
- Uncertainty Ranges on Expected Gains — Confidence in Each Estimate

## Day 5: Practising the Integrated Asset Opportunity Register

- Loss Accounting Summary for One Asset — Applying Earlier Categories and Data
- Constraint Statement for the Asset — The Current System Limit
- Opportunity Screening Session — Applying Network Model and Scoring Results
- Action Owners and Follow-Up Measures — Verifying Gains After Implementation
- Integrated Asset Opportunity Register — Finalising the Ranked Actions

## Applying Reservoir to Export Integrated Production Review After the Course

- Lead a joint loss accounting review of one field with reservoir, production and facilities engineers.
- Run a constraint location test on the current plant limit before the next well work or debottlenecking request.

## Reservoir to Export Integrated Production Review Questions FAQ

### What is reservoir to export integrated production review and why does it matter now?

It is a joint review of reservoir, wells, network and plant to find the single constraint on output. It matters now because mature fields face several limits at once, and fixing the wrong one wastes budget.

### Which roles gain most from reservoir to export integrated production review?

Asset, production and reservoir engineers gain most, along with facilities and surveillance engineers. You benefit if your decisions about wells or plant depend on what happens elsewhere in the chain.

### How does reservoir to export integrated production review differ from a facility debottlenecking course?

It covers the whole chain, not the plant alone. A debottlenecking course focuses on surface equipment capacity; this one also weighs reservoir support and well performance and ranks actions across all three.

### What do you bring back from reservoir to export integrated production review?

You bring back a ranked register of actions for one asset, each with expected gain, cost, risk, owner and a check to confirm the result.

## Reservoir to Export Integrated Production Review: The Way Forward

The integrated asset opportunity register first informs the next budget round, showing which actions release the most output for the money. Asset managers, production engineers and facilities leads all work from it. After the first actions are complete, check whether the system constraint has moved, and re-rank the remaining opportunities against the new limit.