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COURSE BROCHURE

Well Production Enhancement Opportunity Ranking Training Course

2 – 6 May 2027
Doha

Well Production Enhancement Opportunity Ranking Training Course

Ref: 2906_110802 **Date:** 2 – 6 May 2027 **Location:** Doha **Fees:** 6500 GBP

Well Production Enhancement Opportunity Ranking is a 1-week training course for production and petroleum engineers who must find where extra barrels sit across a portfolio of wells and decide which jobs to fund first, producing a ranked production enhancement opportunity list. Mature fields, tight intervention budgets and limited rig capacity make the order of well work as important as the work itself. Jupiter Prime Training frames the subject around field-level choices.

Why Well Production Enhancement Opportunity Ranking Matters Now

Three pressures shape the subject today. Many producing assets are past plateau, so most new volume comes from existing wells rather than new drilling. Intervention fleets and stimulation crews are shared, so every job competes for a slot. Partners expect each intervention justified by gain, risk and cost, while well test and gauge data now arrive faster than engineers can review them. Assets that rank candidates consistently recover more from the same spend; those that chase the loudest well repeat failed jobs.

Who Gains Most from Well Production Enhancement Opportunity Ranking

- Engineers who monitor well tests and decide which wells deserve a closer look
- Specialists who design acid, fracture or perforation jobs for producing wells
- Engineers who size and tune rod pumps, electric submersible pumps and gas lift
- Staff who model gathering lines, chokes and separators for back pressure effects
- Engineers who prepare well work proposals for asset approval meetings

A field group gains most when its well and surface engineers attend together.

Well Production Enhancement Opportunity Ranking Capabilities

Participants turn a flagged well into a costed, ranked job.

- Assess well test trends and decline behaviour to flag underperformers — surveillance meetings
- Build inflow and outflow curves to locate the limiting element — candidate confirmation
- Calculate skin components and separate damage from completion effects — stimulation choices
- Test lift settings and equipment changes against modelled rate gains — lift engineers
- Weigh surface back pressure against well-level restrictions — gathering network decisions
- Specify a ranking based on incremental rate, cost, risk and timing — asset approval boards

Key Well Production Enhancement Opportunity Ranking Terms

- Productivity index — the rate a well delivers per unit of drawdown between reservoir and flowing bottomhole pressure.
- Inflow performance relationship — the curve linking a well's flowing bottomhole pressure to the rate the reservoir supplies.
- Skin factor — a dimensionless number expressing extra pressure loss near the wellbore from damage, completion or flow geometry.
- Operating point — the rate and pressure where reservoir inflow and tubing outflow curves intersect.
- Incremental rate — the extra production expected from an intervention above the well's baseline decline.
- Candidate well — a well flagged by screening as likely to gain rate from a specific intervention.

Well Production Enhancement Opportunity Ranking Day by Day

Day 1: Screening the Well Portfolio

- Well Test Trend and Decline Curve Review — Spotting Underperforming Producers
- Offset Well Comparison and Peer Normalisation — Expected Versus Actual Rate
- Water Cut and Gas-Oil Ratio Diagnostic Plots — Reservoir or Well Problem
- Well History and Previous Intervention Records — Avoiding Repeated Failed Jobs
- Initial Candidate Flag Sheet — Wells Worth Detailed Study

Day 2: Inflow, Outflow and Skin

- Inflow Performance Relationship Construction — Reservoir Deliverability Limits
- Tubing Performance and Vertical Lift Curves — Wellbore Pressure Losses
- Operating Point and Sensitivity Runs — Locating the Limiting Element
- Skin Breakdown From Pressure Transient Tests — Damage Versus Geometry
- Perforation Efficiency and Reperforation Screening — Completion Restriction Fixes

Day 3: Lift and Stimulation Options

- Gas Lift Injection Rate and Depth Optimisation — Shared Lift Gas Allocation
- Pump Speed, Size and Setting Depth Review — Rod and Submersible Pump Gains
- Matrix Acid Candidate Criteria — Carbonate and Sandstone Response
- Hydraulic Fracture Restimulation Screening — Low Permeability Rate Uplift
- Scale, Wax and Sand Control Remediation — Restoring Lost Productivity

Day 4: Surface Network and Ranking Logic

- Gathering Line and Manifold Back Pressure Modelling — Shared Constraint Diagnosis
- Choke, Separator and Compression Limits — Facility-Limited Wells
- Incremental Rate Forecast and Decline After Treatment — Realistic Gain Estimates
- Job Cost, Risk and Rig Slot Scoring — Comparable Opportunity Value
- Ranking Matrix and Sequencing Rules — Intervention Queue Order

Day 5: Practising the Ranked Production Enhancement Opportunity List

- Applying Portfolio Screening to a Field Data Set — Confirmed Candidate Pool
- Applying Nodal Diagnosis to Shortlisted Wells — Root Restriction Per Well
- Applying Network Modelling to Candidate Gains — Net Field Uplift
- Post-Job Evaluation and Lookback Criteria — Learning From Completed Interventions
- Ranked Production Enhancement Opportunity List for One Field — Completed Output

Applying Well Production Enhancement Opportunity Ranking After the Course

- Run the portfolio screen on one field's latest well tests and present the flagged candidates at the next surveillance meeting.
- Carry out a lookback on the last five interventions, comparing forecast incremental rate with the rate actually achieved.

Well Production Enhancement Opportunity Ranking Questions FAQ

What is well production enhancement opportunity ranking and why does it matter now?

It is finding wells that can produce more and ordering the jobs by gain, cost and risk. In mature fields, the sequence of well work drives how much extra volume an asset recovers.

Which roles gain most from well production enhancement opportunity ranking?

Production, petroleum and well engineers who monitor producers, design stimulation or lift changes and prepare well work proposals gain most, along with surface engineers who model gathering networks.

How does well production enhancement opportunity ranking differ from an artificial lift or stimulation design course?

It spans every type of intervention and focuses on choosing and ordering them, rather than detailed design of one method. You learn to compare a lift change, an acid job and a network fix on the same basis.

What do you bring back from well production enhancement opportunity ranking?

You bring back a screened candidate pool for one field, nodal diagnosis of the shortlisted wells and a ranked list of interventions with expected gain, cost and risk for each.

Well Production Enhancement Opportunity Ranking: The Way Forward

The ranked production enhancement opportunity list sets out each candidate well, its limiting element, the proposed job, expected incremental rate and score. Its first use is fixing the next quarter's intervention queue. Asset engineers and approval boards rely on it, and after the first jobs, lookback results should feed back into the scoring weights.