IncreaseWellProduction.com

Oil & Gas Online Training Services

Who is Damien Leonard?

15 years experience

- ✓ Field engineering
- ✓ Well performance
- ✓ Well intervention
- ✓ Petroleum engineering
- ✓ Reservoir engineering

Recognised expert

- ✓ Instructor for SPE eualf
- ✓ Company instructor
- ✓ Online instructor
- ✓ Gas lift subject matter expert
- ✓ Well optimization specialist

French engineer

- ✓ From top ranked engineering school “Ecole des Ponts Paristech”

Services provided

- ✓ Online training
- ✓ Q&A live session
- ✓ Technical assistance
- ✓ Consulting

An impartial expert:

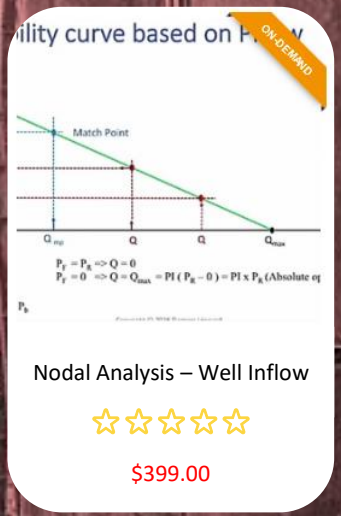
- ✓ He works for an E&P company specialized in rejuvenating very mature assets.
- ✓ He built a user experience as an oil producer.
- ✓ He is not a seller of artificial lift equipment and shares independent opinion.
- ✓ He learnt to maximise value with low investment.
- ✓ He proposes solutions that can be achieved with minimal to no expense.
- ✓ He has access to a network of artificial lift experts.

Access to courses

Learn the mechanisms of oil production

https://increasewellproduction.com/training/

https://www.youtube.com/watch?v=gpWjhLLk8ms&list=PLmM_eBq3R-0GS9nxn2Bpjgb7DPHGSnVUB

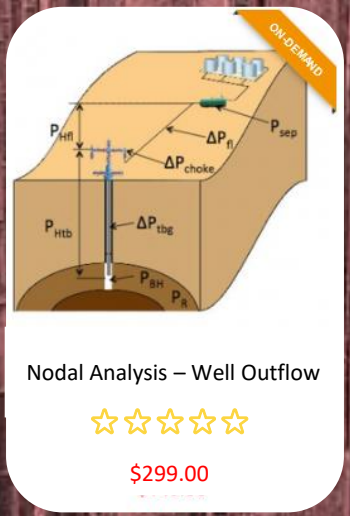


Nodal Analysis – Well Inflow

☆☆☆☆☆

$399.00

- Well inflow
- IPR
- Productivity index

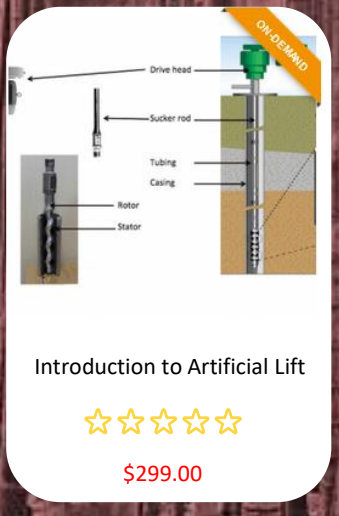


Nodal Analysis – Well Outflow

☆☆☆☆☆

$299.00

- Well outflow
- VLP



Introduction to Artificial Lift

☆☆☆☆☆

$299.00

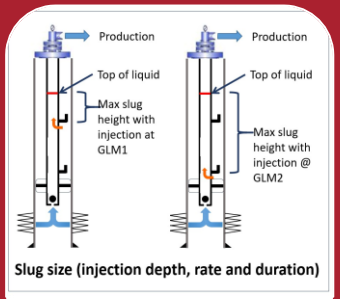
- Top 5 artificial lift methods
  - ESP
  - PCP
  - Gas Lift
  - Sucker rod pump
  - Jet & hydraulic pump

Access to courses

Gas Lift full spectrum in 5 modules

https://increasewellproduction.com/training/

https://www.youtube.com/watch?v=gpWjhLLk8ms&list=PLmM_eBq3R-0GS9nxn2Bpjgb7DPHGSnVUB

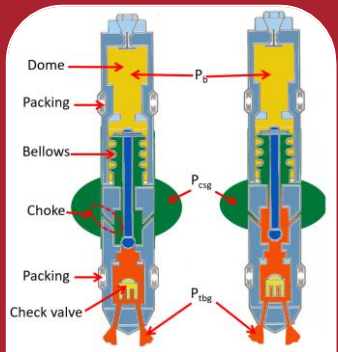


Forms of Gas Lift

☆☆☆☆☆

$299.00

- Basic principles
- Forms taken in a well

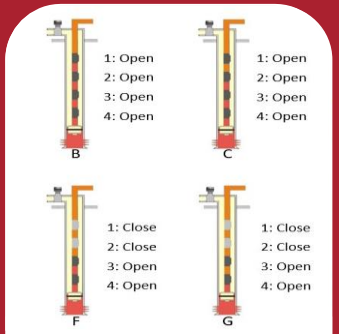


Gas Lift Equipment

☆☆☆☆☆

$699.00

- Extensive equipment review
  - ➢ Operating principles
  - ➢ Advantages & disadvantages

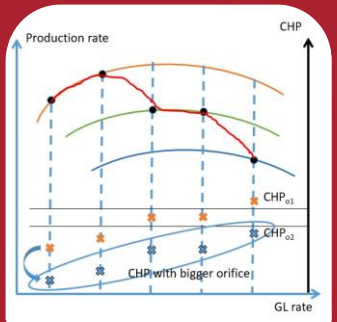


Gas Lift Unloading Sequence and Mandrel Spacing Design

☆☆☆☆☆

$699.00

- Unloading sequence
- Mandrel spacing design
- Design with Prosper™



Gas Lift Optimization and Design with Existing Mandrels

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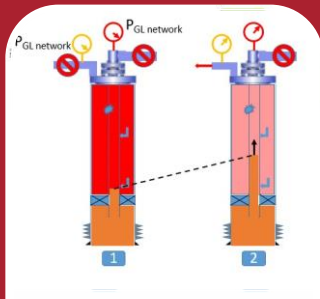
$699.00

- Monitoring
- Optimization
- Design with existing mandrels



Gas Lift Troubleshooting

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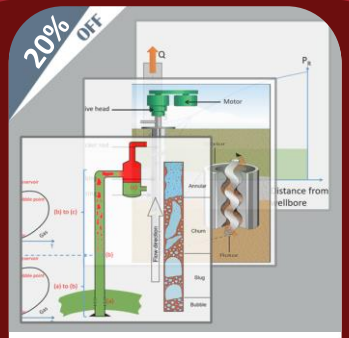
$899.00

- Troubleshooting methods
- Diagnostic tools
- Remedial options

Access to courses

Enjoy lower price through bundles



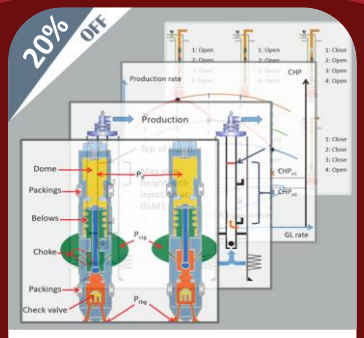
Well Production Mechanisms – 3 course bundle

☆☆☆☆☆

~~$997.00~~ $800.00

Well Production Mechanisms – 3 course bundle:

- Well inflow
- Well outflow
- Introduction to artificial lift



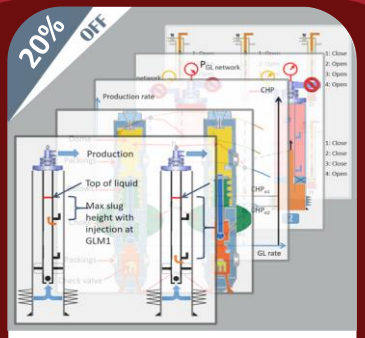
Gas Lift Mastery – 4 course bundle

☆☆☆☆☆

~~$2396.00~~ $1900.00

Gas Lift Mastery – 4 course bundle:

- Forms of gas lift
- Gas lift equipment
- Gas lift unloading sequence and mandrel spacing design
- Gas lift optimization and design with existing mandrels



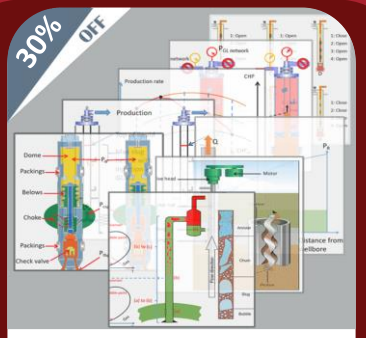
Become a Gas Lift Expert – 5 course bundle

☆☆☆☆☆

~~$3295.00~~ $2600.00

Become a Gas Lift Expert – 5 course bundle:

- Forms of gas lift
- Gas lift equipment
- Gas lift unloading sequence and mandrel spacing design
- Gas lift optimization and design with existing mandrels
- Gas Lift Troubleshooting



Well Production Mechanisms + Become a Gas Lift Expert – 8 course bundle

☆☆☆☆☆

~~$4292.00~~ $3000.00

Well Production Mechanisms

+

Become a Gas Lift Expert

=

8 course bundle

Access to courses

Volume discount & unlimited access

Tiers	# of licenses purchased annually	Discount
0	1-20	0%
1	21-30	5%
2	31-40	10%
3	41-50	15%
4	>50	20%

Example: Customer A buys 33 licenses of 'Become a Gas Lift Expert' + 2 licenses of 'Forms of Gas Lift'
➔Price = 20 x 2600 + 10 x 2600 x 0.95 + 3 x 2600 x 0.9 + 2 x 299= 84 318 USD

'Unlimited Company Access' license:

Price	Minimum contract duration
150 kUSD / year	5 years

Customers feedback

Selected by companies of all size:

Student feedback:

- Over 100 students enrolled
- Rated 4.96 stars out of 5 by users
- Enthusiastic feedback from students attending in classroom training

Endorsed by industry experts:

- Stewart McIntosh - President of SPE European Artificial Lift Forum
- Jay Miller, David Lee, Ali Hernandez – Gas Lift SME's
- Burney Waring – Well production SME

Peer reviewed by Legends of Gas Lift

Burney Waring

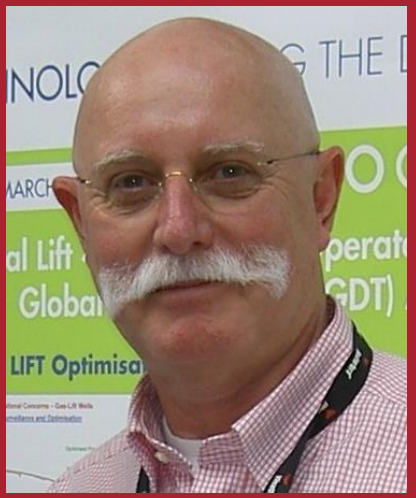
•Expert in petroleum production system optimization
•Author of the book 'Practical Optimization of Petroleum Production Systems'
•Shell Principal Technical Expert
•Independent Gas Lift consultant at Gas Lift Gurus

Ali Hernandez

• Senior Gas Lift specialist for ADNOC, Saudi Aramco, PDVSA, Dragon Oil…
• Author of the book 'Fundamentals of Gas Lift Engineering: Well Design and Troubleshooting'
• Gas Lift instructor for NEXT
• Developed Polaris Gas Lift Software, an advanced nodal analysis software dedicated to GL production

Gabor Takacs

• Author of the 'Gas Lift Manual', the 'Electrical Submersible Pump Manual' and the 'Sucker-Rod Pumping Handbook' (more than 4500 copies sold)
• 2022 SPE Legend of Artificial Lift
• Animated countless amount of artificial lift training and workshops all over the world

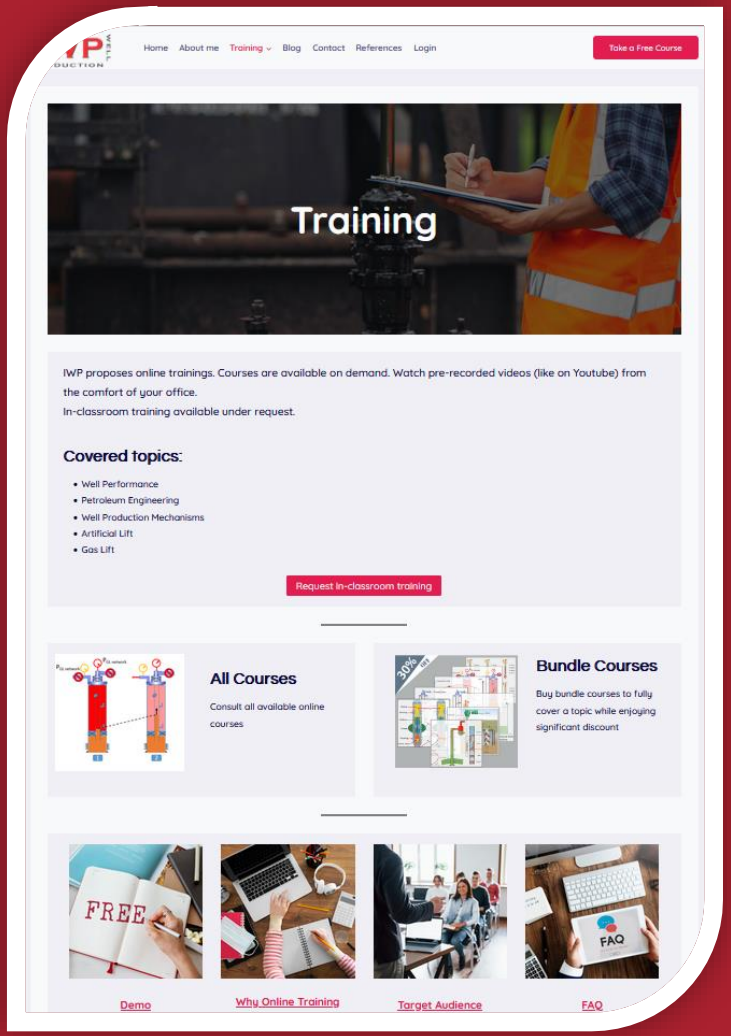


David Lee

• 50 years in the O&G upstream industry
• Shell International Gas Lift Subject Matter Expert
• Independant Gas Lift consultant
• Involved in the development of WinGLUE, WellTracer, Electric Gas Lift Valve, the AVT and other technologies

Access to courses

5-star Learning Management System

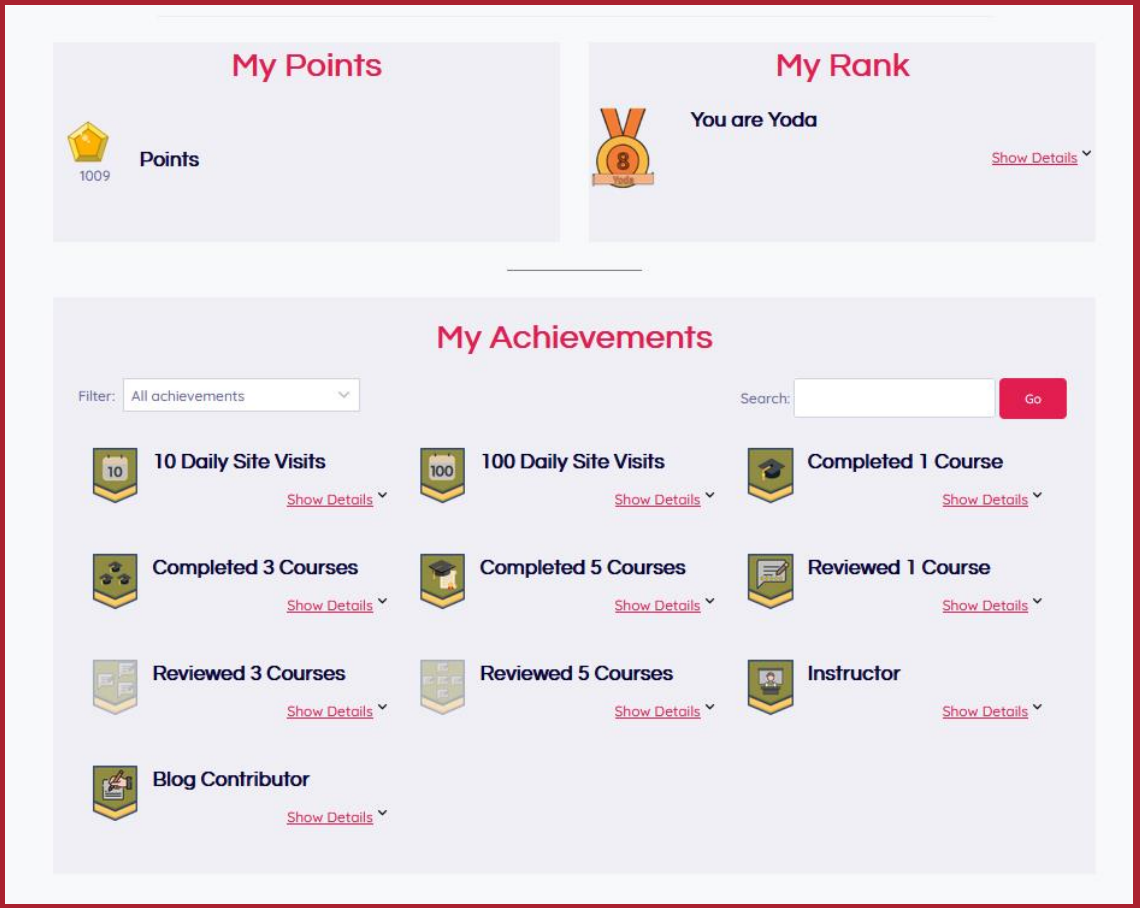


- Access to growing technical library
- 100% peer-reviewed courses
- Intuitive interface
- On-demand video-based
- Mobile friendly anytime anywhere
- Peer discussion
- 5-star support
- Earn completion PDH credits

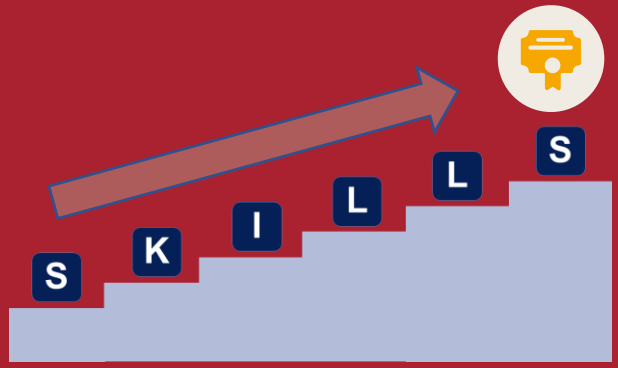
Access to courses

Gamification to promote engagement

Earn Points, Rank and Achievements:



Ranks:



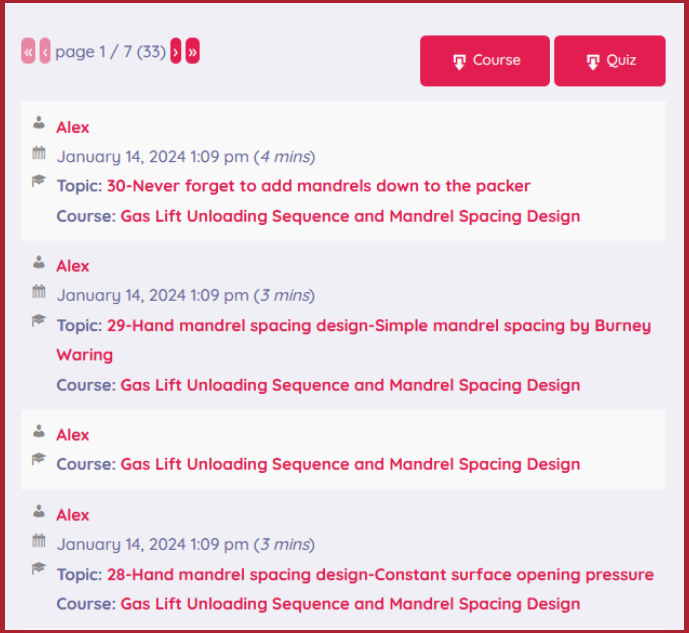
Access to courses

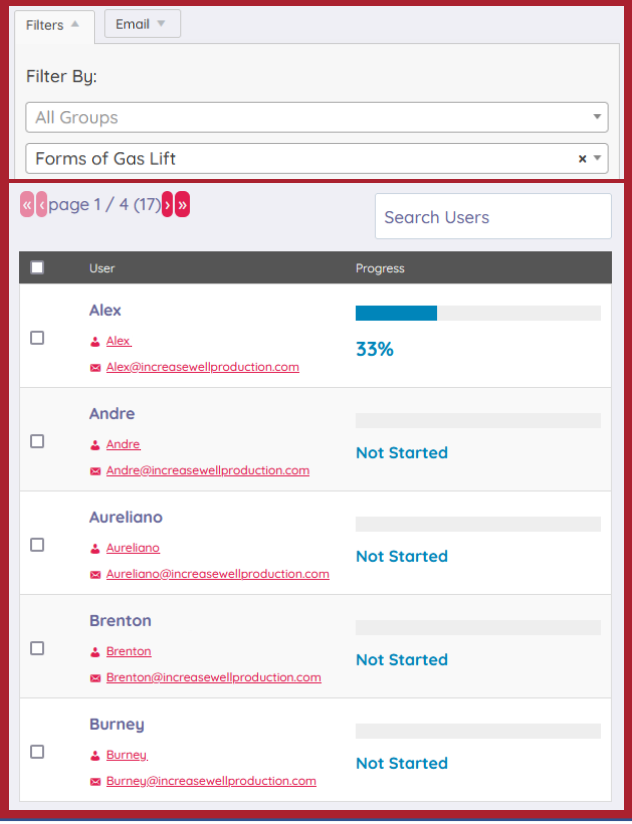
Progress dashboard for group leader

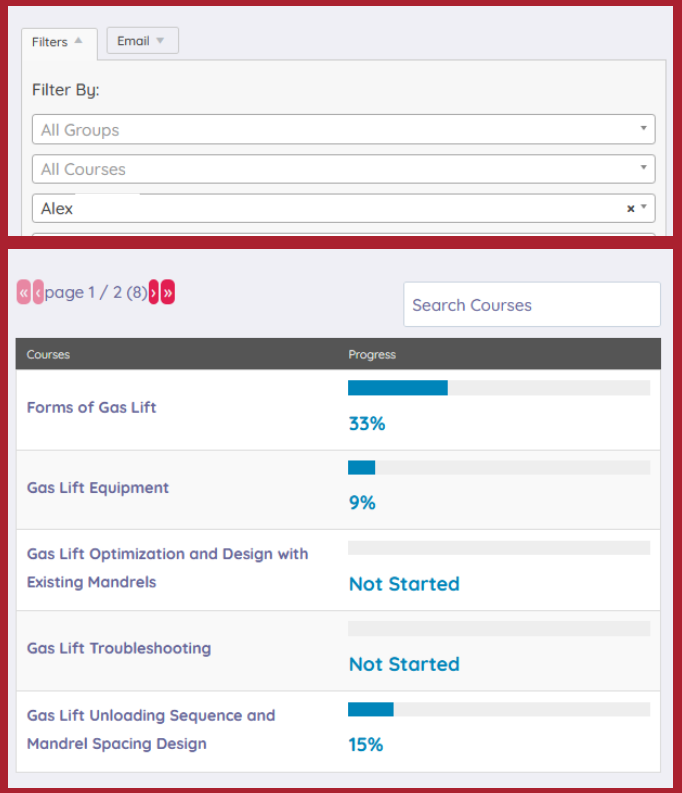
Let your group leader access the progress of students:

- See user detailed activity
- Filter by course or user

Service of regular progress reports sent by email also available







Access to courses

Why online training?

Cost effective

- Very competitive price
- No hotel, no flight ticket, no restaurant
- Expense goes 100% to training material

High flexibility

- Immediately available! No more waiting for next session to start
- On demand videos, stop & restart when you want
- One year unlimited access
- Learn while coping with duty

Effective method

- Get deeper understanding
- Review as many times as you want
- Use in-app forum to ask questions
- Q&A sessions with instructor available

Ideal solution

- Immediate training of new team member
- Training full team at low cost, with no quality compromise

Access to courses

Target audience

Fits many business branches

- **Production, Petroleum or Well Performance Engineers**
  - To maximize well production
  - To select the right equipment and eliminate wasted investment
- **Field Production Personnel**
  - To understand the importance of data
  - To Facilitate improved communication between Field and Office via common terminology
- **Completion or Surface Facilities Engineers**
  - To understand their role in maximizing well production

Fits all profiles

- **Junior to Senior Engineers**
  - To strengthen technical knowledge on well production
  - To become actor of meetings
  - To write sharper analysis in reports & emails
  - To challenge the rest of the team
  - To lead the way to production increases
- **Technical Managers**
  - To stay sharp just by watching videos
  - To get new ideas to lead the team towards production increases
  - To help training the team

Access to courses

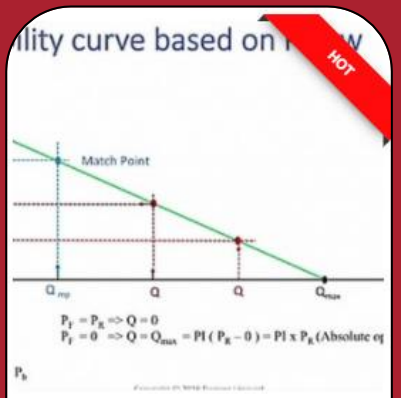
Nodal Analysis – Well Inflow Mechanism

Course description

Links reservoir, petroleum engineering and well performance. Presentation of reservoir & fluid properties and nodal analysis through the Well Inflow Mechanism.

- Productivity index for oil and gas wells
- Characteristics of reservoir rocks
  - Porosity, saturation, permeability
  - Oil-water and gas-oil relative permeability
  - Anisotropy and coning (gas and water)
- PVT and fluid properties
  - Phase diagram and fluid models (black oil and others)
  - PVT experiments and fluid sampling
  - Pb, Rs, μ and Bo
- Drainage vs. investigation radius
- Skin; deliverability curves (IPR)

More info



Nodal Analysis – Well Inflow

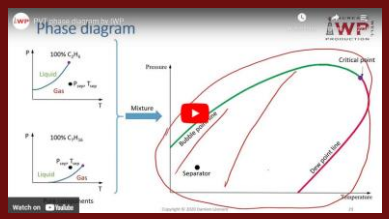
☆☆☆☆☆

$399.00

Key information

- Format
  On-demand 24/7
- Access
  1 year unlimited for 1 person
- Duration
  Approx. 3 hrs
- Certificate
  Included w/ 3 PDH credits
- Level
  Intermediate to advanced
- Language
  English

Video samples



What students say

★★★★★

CESAR – JULY 15, 2020

I followed the well inflow course when beginning a career transition from geology to reservoir engineering. I found the explanations very clear and straight to the point with exercises well elaborated to reinforce the concepts and cover all the doubts. It is definitely a very good starting point for those willing to go deeper into production engineering. Strongly recommended.

Access to courses

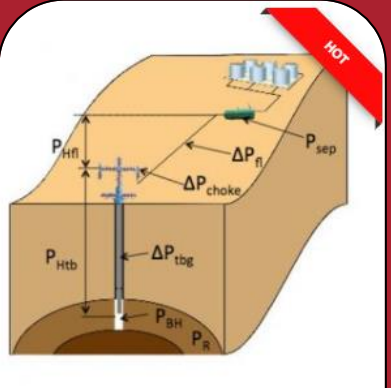
Nodal Analysis – Well Outflow Mechanism

Course description

Links reservoir, petroleum engineering and well performance.
Presentation of nodal analysis through Well Outflow Mechanism.

- Fluid path from bottom to surface
- Hydrostatic pressure & pressure losses
- Vertical flow pressure & vertical lift performance (VLP) curves
- Hold up & slip velocity
- Horizontal & vertical flow regimes; flow pattern maps
- Impact of PVT on well outflow
- Liquid loading in gas wells; Turner's critical velocity
- Method of selection for multiphase flow pressure correlations
- Timing for implementation of artificial lift
- How to increase well production

More info



Nodal Analysis – Well Outflow

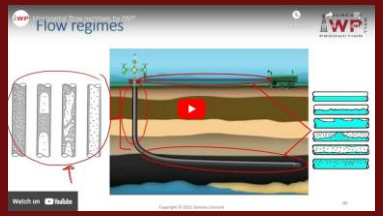
☆☆☆☆☆

$299.00

Key information

- Format
  On-demand 24/7
- Access
  1 year unlimited for 1 person
- Duration
  Approx. 2.5 hrs
- Certificate
  Included w/ 2.5 PDH credits
- Level
  Beginner to intermediate
- Language
  English

Video samples



What students say

AURELIANORAMA *(VERIFIED OWNER)* – JULY 25, 2019 ★★★★★

Great course that I actually followed via the bundle which allows for a consistent progression through well productivity. It is pretty easy to follow as the instructor points the reasoning path on pictures. Thanks to the clear explanations and slides, you will get the most of it if you write down notes as school lessons and make the effort to solve yourselves the examples. Provided that, you will reach a good entry working knowledge about the subject. In that particular chapter, the phenomena of flow inside the well itself are covered. In a short time, you will get a good understanding of how hydrocarbons are lifted in a well. That will prepare you to make the most of the artificial lift considerations.

Access to courses

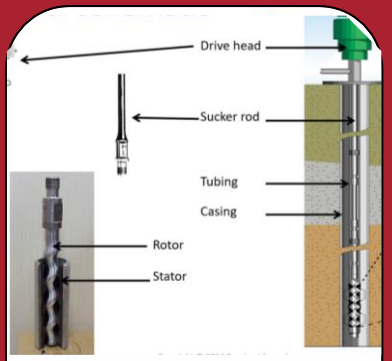
Introduction to Artificial Lift

Course description

Learn general knowledge of the most common artificial lift types and how to choose the most suitable artificial lift method for your well.

- Artificial lift distribution
- Introduction to ESP
- Introduction to PCP
- Introduction to SRP
- Introduction to Jet & Hydraulic Pumping
- Introduction to Gas Lift

More info



Introduction to Artificial Lift

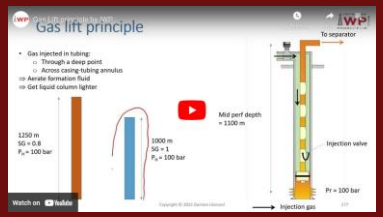
☆☆☆☆☆

$299.00

Key information

- Format
  On-demand 24/7
- Access
  1 year unlimited for 1 person
- Duration
  Approx. 2 hrs
- Certificate
  Included w/ 2 PDH credits
- Level
  Beginner
- Language
  English

Video samples



What students say

ANDRE.MENIER – MAY 29, 2020 ★★★★★

I have taken this course as I was looking for a cost effective training alternative for field production engineers in Western Africa, during the 2015 downturn when all budgets had to be drastically reduced. This course proved to be very interesting solution. Very good content, very clear explanations. The feedback received by the field engineers team was excellent. The knowledge of wells mechanisms improved and it was noticed in the operations.
I feel I have fully achieved my objectives with this training. I recommend this course if you are looking for a solution to train your operational staff with some years of field experience in remote locations at a very competitive cost.

Access to courses

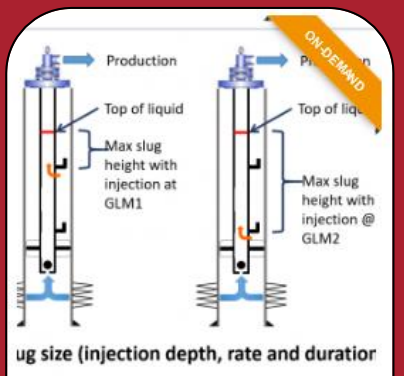
Understanding the Forms of Gas Lift

Course description

Presentation of existing forms Gas Lift takes in a well.
Pros & cons of each configuration.

- Gas Lift system
- Gas Lift principle & continuous Gas Lift
- Intermittent Gas Lift, Plunger lift, Chamber lift
- Dual Gas Lift completion
- Concentric Gas Lift, Self Gas Lift, Annular flow
- Side string injection
- Pig lift
- Packerless Gas Lift
- Gas Lift as a backup for ESP
- Gas Lift & jet or hydraulic piston pump

More info



Forms of Gas Lift

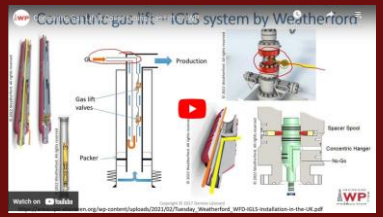
☆☆☆☆☆

$299.00

Key information

- Format
  On-demand 24/7
- Access
  1 year unlimited for 1 person
- Duration
  Approx. 2 hrs
- Certificate
  Included w/ 2 PDH credits
- Level
  Beginner to intermediate
- Language
  English

Video samples



What students say

ELITE *(VERIFIED OWNER)* – JULY 6, 2020 ★★★★★

This is an excellent course. It looks very simple but was well detailed and well delivered. I really recommend this course as the fastest way to get along and understand gas lift systems.

ANAND *(VERIFIED OWNER)* – JULY 23, 2020 ★★★★★

Good basic course on Gas Lift fundamentals. Very good explanation from the trainer. Extremely helpful for personnel working in gas lift domain.

Access to courses

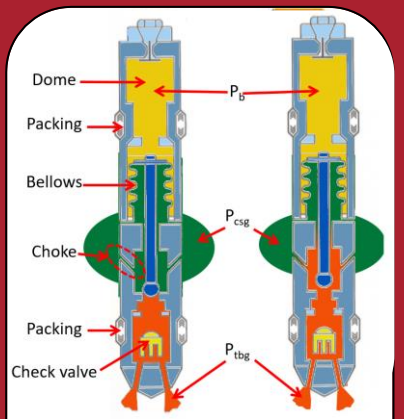
Gas Lift Equipment

Course description

Exhaustive presentation of available GL equipment; pros & cons from well intervention, completion & production point of views.

- Conventional & side pocket mandrels; mandrels w/ check valve
- Latches; running/pulling/kick over tools
- SPM and kick over tools; 1st generation of kick over tools
- Special kick over tools for design change in high deviation
- Well unloading; GL valve types; dummy valves; GL pack off
- Orifice valves; venturi orifices; unloading valves
- Injection and production pressure operated valves
- GLV calibration procedure; GLV test block; AVT
- GLV & mandrels configurations to achieve annular or tubing flow, production or injection pressure operated system.
- Valve throttling effect; flag valve; special GL valves; VPC
- Electric GLV; GL injection below packer; surface equipment
- Plunger lift equipment

More info



Gas Lift Equipment

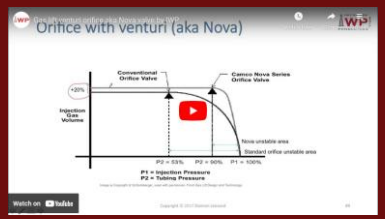
☆☆☆☆☆

$699.00

Key information

- Format
  On-demand 24/7
- Access
  1 year unlimited for 1 person
- Duration
  Approx. 5 hrs
- Certificate
  Included w/ 5 PDH credits
- Level
  Beginner to advanced
- Language
  English

Video samples



What students say

ELITE *(VERIFIED OWNER)* – AUGUST 31, 2020 ★★★★★

Clearly the instructor Damien Leonard has had a lot of experience in this subject. He makes an honest and unbiased in-depth review of different technologies. With the way he matches a rich experience with the underlying theory, there is no doubt that one will be well equipped in the design and selection of gas lift equipment after going through this course. As an artificial lift engineer, strongly recommend this course to all those willing to have an edge or that extra touch when trying to go technical with gas lift methods.

Access to courses

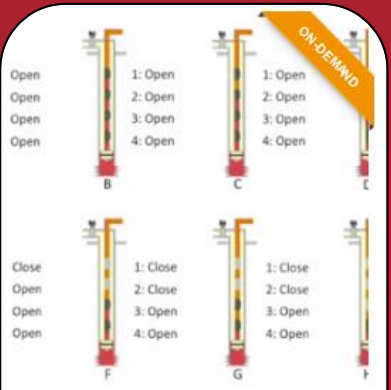
Gas Lift Unloading Sequence and Mandrel Spacing Design

Course description

Gas Lift unloading sequence thoroughly detailed; principles of mandrel spacing design and design with Prosper™.

- Unloading the well basic principles
- Initial unloading following drilling or a workover
- Integrity in gas lift well
- Unloading sequence with IPO valves; with PPO valves
- Gas pressure gradient formula and rule of thumb to estimate casing pressure at any depth
- Put it all together with an exercise (inflow/outflow/SPM design)
- Gas lift system (fundamental principles, maximum rate estimation, equilibrium curve)
- Mandrel spacing design principles; temperature models
- How to choose your kick off pressure
- Mandrel spacing design with Prosper™

More info



Gas Lift Unloading Sequence and Mandrel Spacing Design

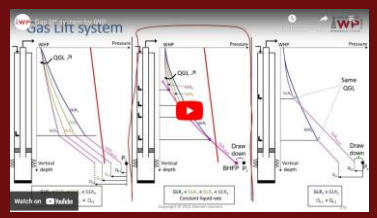
☆☆☆☆☆

$699.00

Key information

- Format
  On-demand 24/7
- Access
  1 year unlimited for 1 person
- Duration
  Approx. 5.5 hrs
- Certificate
  Included w/ 5.5 PDH credits
- Level
  Intermediate to advanced
- Language
  English

Video samples



What students say

ANAND *(VERIFIED OWNER)* – JULY 23, 2020 ★★★★★

Extremely informative lectures. I haven't seen such good explanation for many of the topics anywhere in the industry. Well done !

WARINGS *(VERIFIED OWNER)* – JUNE 16, 2020 ★★★★★

Very thorough gas lift course. Damien is passionate and knowledgeable.

Access to courses

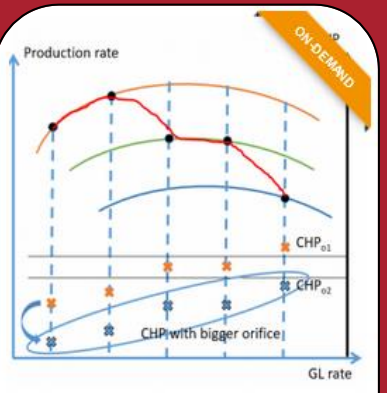
Gas Lift Optimization and Design with Existing Mandrels

Course description

Learn how to maximize production with current GL design and how to optimize wells by redesigning with existing mandrels.

- Optimization starts with good monitoring
- Optimization by Gas Lift rate change
- Gas Lift design optimization – cases review
- Can I optimize a Gas Lift well by choking it?
- How to identify Gas Lift wells that can be optimized
- Exercise – Propose a Gas Lift design for a well using abacus
- Why changing your mandrel spacing design?
- Why changing your Gas Lift design using existing mandrels?
- Determine the targeted liquid rate of a Gas Lift design
- Design with Prosper™
- Dual Gas Lift completion optimization and design

More info



Gas Lift Optimization and Design with Existing Mandrels

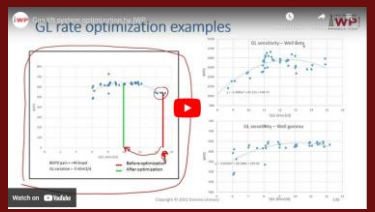
☆☆☆☆☆

$699.00

Key information

- Format
  On-demand 24/7
- Access
  1 year unlimited for 1 person
- Duration
  Approx. 5 hrs
- Certificate
  Included w/ 5 PDH credits
- Level
  Advanced
- Language
  English

Video samples



What students say

★★★★★

ANAND *(VERIFIED OWNER)* – MAY 12, 2020

Excellent Course. Great structured material.

Access to courses

Gas Lift Troubleshooting

Course description

Learn how to troubleshoot a GL well. Method explained developed by author himself; therefore not available anywhere else.

Section1: Method

- Identify wells that need troubleshooting
- Troubleshooting flowcharts presentations
- All possible issues (symptoms, diagnostics, causes & solutions)
- Troubleshooting summary – The most useful solutions

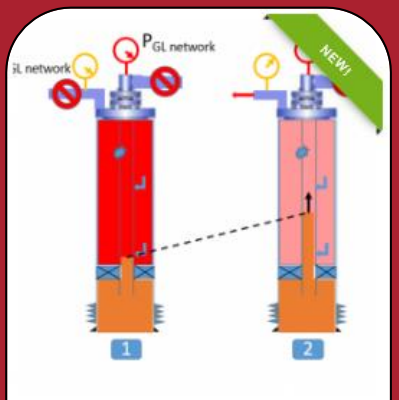
Section 2: Troubleshooting tools

- Nodal analysis – Quicklook & Multipoint Quicklook in Prosper™
- The different method to start a GL well; when to use each one
- Tubing casing communication tests
- Leak depth methods of identification review; how to fix leaks

Section 3: Exercises

- Real cases; Barton™ charts analysis

More info



Gas Lift Troubleshooting

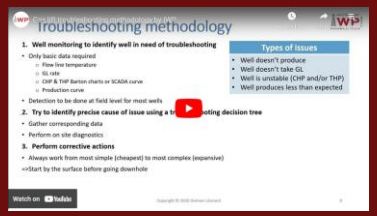
☆☆☆☆☆

$899.00

Key information

- Format
  On-demand 24/7
- Access
  1 year unlimited for 1 person
- Duration
  Approx. 7 hrs
- Certificate
  Included w/ 7 PDH credits
- Level
  Advanced
- Language
  English

Video samples



What students say

★★★★★

ANAND *(VERIFIED OWNER)* – AUGUST 13, 2020

Excellent Course !
Highly recommended for personnel involved in gas lift operations. Covers details from basic to advanced level.

Access to courses

F.A.Q.

- When does the course start?
  Anytime you want. It is on-demand pre-recorded videos. You can play them from the course portal.

- How many times can I watch the videos?
  You have unlimited access to the videos for one year. Watch as many times as you want. Pause, rewind, and restart as you like.

- What if I have a question?
  There is a forum section next to each lecture, where you can ask your questions. The instructor regularly monitors it and responds.

- Is there a certificate?
  Yes, you get a certificate of completion at the end of the course and all courses entitle you to PDH (Professional Development Hours) credits.

- More questions?
  Visit https://www.increasewellproduction.com/training/faq
  Or contact **Damien@IncreaseWellProduction.com**