



Well Site Supervisor Development Program

COURSE

About the Course

This program is designed to develop your employees into the functional role of a Well Site Supervisor. By combining self-paced online activities with live virtual instruction and practical workshop application, this program equips your employees to be revenue generating team leaders at the well site. Using PetroSkills' PetroAcademy application and/or delivered real-time virtual sessions via WebEx, this program gives you the confidence that your employees are being developed using proven industry-validated competencies for this critical role.

See full details here

Target Audience

- Field supervisors and junior field supervisors who are being developed to be well site supervisors
- Entry-level well site field personnel
- Experienced personnel who are cross-training to move into a supervisory role leading operations at the well site

You Will Learn

- Well Construction Foundations
- Descriptive Formation Fundamentals
- Onsite Fluids Management
- Casing and Cementing Operations
- Directional Drilling
- BHA Dynamics
- Initial Completions and Well Testing
- Interventions
- Rigsite Logistics Management
- Crew Resource Management Design Workshop for Wells Leaders
- Performance Improvement
- Business / Soft Skills Training
- Project Management for Upstream Field Development
- Comprehensive Review, Capstone Exercise & Testing

Course Content**MONTH 1**

UNIT 1: Well Construction Foundations	Duration (hours)	Delivery Format
E&P Industry and Asset Life Cycle	4.0	Online Activity
Petroleum Geology	2.5	Online Activity
Hydrocarbon Reservoirs	2.0	Online Activity
Rock and Fluid Properties	3.5	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Drilling Rig Crews	0.5	Online Activity
Prepare to Spud - Operational Readiness	0.5	Online Activity
Back to Work Plan Discussion	1.0	Instructor-led(Virtual or Face-to-Face)
Unit 1 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 1	2.0	Online Activity
<i>Week off</i>		

MONTH 2

UNIT 2: Descriptive Formation Fundamentals	Duration (hours)	Delivery Format
Petrophysical Data and Open Hole Logging	3.5	Online Activity
Mud Logging, Coring, and Cased Hole Operations	4.5	Online Activity
Porosity Logging (Density, Neutron, and Sonic)	4.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Gamma Ray and Spontaneous Potential Logging	3.0	Online Activity
Resistivity Logging Tools and Interpretation	3.5	Online Activity
Special Petrophysical Tools: NMR and Image Logs	2.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	1.0	Instructor-led(Virtual or Face-to-Face)
Unit 2 Recap	2.0	Instructor-led(Virtual or Face-to-Face)

Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 2	2.0	Online Activity
<i>Week off</i>		

MONTH 3

UNIT 3: Onsite Fluids Management	Duration (hours)	Delivery Format
Drilling Fluid Objectives and Functions	0.5	Online Activity
Drilling Fluid Types, Additives and Properties	1.0	Online Activity
Volumetric Accountability with Drilling Fluids	4.0	Online Activity
Fluid Chemical Properties and Measurements	2.5	Instructor-led(Virtual or Face-to-Face)
WBM Build Scenarios (Calculations) w Exercises	2.0	Instructor-led(Virtual or Face-to-Face)
Fluids Processing / Solids Control	0.5	Instructor-led(Virtual or Face-to-Face)
Solids Analysis of a Drilling Fluid (Tree)	0.5	Instructor-led(Virtual or Face-to-Face)
Shaker Screen Nomenclature and Labeling	0.5	Instructor-led(Virtual or Face-to-Face)
WBM Contaminations	1.5	Instructor-led(Virtual or Face-to-Face)
Electrical Stability Unit	.25	Online Activity
Non-Aqueous Fluids	2.0	Instructor-led(Virtual or Face-to-Face)
Drilling Fluid Reports	1.5	Instructor-led(Virtual or Face-to-Face)
Waste Management	2.0	Instructor-led(Virtual or Face-to-Face)
Lost Circulation	2.0	Instructor-led(Virtual or Face-to-Face)
Drilling Fluid Impacts on the Technical Limit	1.5	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 3 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig

Post-Assessment Unit 3	2.0	Online Activity
<i>Week off</i>		

MONTH 4

UNIT 4: Casing and Cementing Operations	Duration (hours)	Delivery Format
Primary and Remedial Cementing	0.5	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Characterizing the Drilling Environment	4.0	Online Activity
Casing Running Operations	5.0	Online Activity
Oilfield Casing	4.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Well Barriers and Barrier Management; and Minimum Mud Weight Required for Maintaining Wellbore Stability	3.0	Instructor-led(Virtual or Face-to-Face)
Real Time Casing Seat Optimization and Kick Tolerance Management	3.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 4 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 4	2.0	Online Activity
<i>Week off</i>		

MONTH 5

UNIT 5: Directional Drilling	Duration (hours)	Delivery Format
Directional Drilling and Trajectory Design	2.5	Online Activity
Selected Reading - Directional, Horizontal, and Multilateral Drilling	3.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Well Planning Problem	2.0	Instructor-led(Virtual or Face-to-Face)
Selected Reading - Directional, Horizontal, and Multilateral Drilling	3.0	Online Activity

Real-time Adjustments to the Directional Well Plan	4.0	Instructor-led(Virtual or Face-to-Face)
Wellbore Tortuosity Considerations	4.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 5 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 5	2.0	Online Activity
<i>Week off</i>		

MONTH 6

UNIT 6: Wellbore - Drilling Optimization	Duration (hours)	Delivery Format
Bits and Hydraulics	3.5	Online Activity
Hydraulic Calculations and Optimization	1.0	Instructor-led(Virtual or Face-to-Face)
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Selected Reading - Bits and Hydraulics	2.0	Online Activity
Drill String and BHA	3.0	Online Activity
Selected Reading - Drilling Practices	3.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Overview of Downhole Tools	3.0	Instructor-led(Virtual or Face-to-Face)
Hydraulic Calculations and Mechanical Specific Energy	3.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 6 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 6	2.0	Online Activity
<i>Week off</i>		

MONTH 7

UNIT 7: Initial Completions and Well Testing	Duration (hours)	Delivery Format
Design Process for Completions and Workovers	3.5	Online Activity
Onshore Conventional Completions	4.0	Online Activity
Onshore Unconventional Completions	3.5	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Perforating	3.5	Online Activity
Formation Damage and Matrix Acidizing	3.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Sand Control	2.5	Online Activity
Hydraulic Fracturing	4.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Well Testing	3.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 7 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 7	2.0	Online Activity
<i>Week off</i>		

MONTH 8

UNIT 8: Interventions	Duration (hours)	Delivery Format
Well Intervention	3.0	Online Activity
Flow Assurance and Production Chemistry	5.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Production Logging	3.5	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Casing Side Tracks	1.0	Instructor-led(Virtual or Face-to-Face)

Abandonment	1.0	Instructor-led(Virtual or Face-to-Face)
Remedial Cementing Troubleshooting Examples	2.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 8 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 8	2.0	Online Activity
<i>Week off</i>		

MONTH 9

UNIT 9: Rigsite Logistics Management	Duration (hours)	Delivery Format
Well Construction Supply Chain Management	3.5	Online Activity
Well Site Management Part 1 - Logistics, Communication and Safety	3.0	Online Activity
Well Site Management Part 2 - Planning, Operations and Continuous Improvement	3.5	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Competency Development, Interpersonal Communications	3.0	Instructor-led(Virtual or Face-to-Face)
Time Management	3.0	Instructor-led(Virtual or Face-to-Face)
Problem Solving Facilitation	3.0	Instructor-led(Virtual or Face-to-Face)
Process Improvement	3.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 9 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 9	2.0	Online Activity
<i>Week off</i>		

MONTH 10

UNIT 10: Crew Resource Management Design Workshop	Duration (hours)	Delivery Format
Factors that Effect Human Performance, Crew Resource Management	3.0	Instructor-led(Virtual or Face-to-Face)
Situation Awareness and Decision Making	3.0	Instructor-led(Virtual or Face-to-Face)
Effective Communications and Teamwork	3.0	Instructor-led(Virtual or Face-to-Face)
Factors that Impact Human Performance	3.0	Instructor-led(Virtual or Face-to-Face)
Leadership	3.0	Instructor-led(Virtual or Face-to-Face)
Observation and Intervention	3.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 10 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 10	2.0	Online Activity
<i>Week off</i>		

MONTH 11

UNIT 11: Performance Improvement	Duration (hours)	Delivery Format
Well Performance Management	4.0	Online Activity
Stuck Pipe Prevention	4.0	Online Activity
Office Hours - Q&A	2.0	Instructor-led(Virtual or Face-to-Face)
Selected Readings - TRUE book	4.0	Online Activity
Reduction of Unscheduled Events, Such as Stuck Pipe, Lost Circulation	4.0	Instructor-led(Virtual or Face-to-Face)
Rig Repair, Downhole Equipment Failure, Drill String Failure, Drilling Jars and Investigative Reporting	4.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 11 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig

Post-Assessment Unit 11	2.0	Online Activity
<i>Week off</i>		

MONTH 12

UNIT 12: Business / Soft Skills Training	Duration (hours)	Delivery Format
Production Forecasting	4.0	Online Activity
Oil and Gas Pricing	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)
Cash Flow	4.0	Online Activity
Economic Decision Tools	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)
Risk and Uncertainty	4.0	Online Activity
Financing and Ownership	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)
Petroleum Industry Accounting	4.0	Online Activity
Budgeting	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 12 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 12	2.0	Online Activity
<i>Week off</i>		

MONTH 13

UNIT 13: Project Management for Upstream Field Development	Duration (hours)	Delivery Format
Onshore Field Development Programs and Projects	4.0	Online Activity
Project Governance	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)

Project Resources and Organization	4.0	Online Activity
Scope Delivery	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)
Design Engineering Management	4.0	Online Activity
Acquiring Goods and Services	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)
Construction Management	4.0	Online Activity
Risk Management	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)
Cost Estimating for Facility Projects	4.0	Online Activity
Scheduling	4.0	Online Activity
Office Hours - Q&A	1.0	Instructor-led(Virtual or Face-to-Face)
Progress Measurement	4.0	Online Activity
Project Issues and Challenges - Session 1	3.0	Instructor-led(Virtual or Face-to-Face)
Project Issues and Challenges - Session 2	5.0	Instructor-led(Virtual or Face-to-Face)
Back to Work Plan Discussion	2.0	Instructor-led(Virtual or Face-to-Face)
Unit 13 Recap	2.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Post-Assessment Unit 13	2.0	Online Activity
<i>Week off</i>		

MONTH 14

UNIT 14: Comprehensive Rewell-programswell-programswell-programswell-programsview, Capstone Exercise and Testing	Duration (hours)	Delivery Format
Best of the Best Total Well: participants bring their own well data	3.0	Exercise
Non productive time	1.0	Instructor-led(Virtual or Face-to-Face)
Review Units 3,5,6	1.5	Instructor-led(Virtual or Face-to-Face)
Identify non-productive time on participant wells	3.0	Exercise

Plateau time	1.0	Instructor-led(Virtual or Face-to-Face)
Review Unit 4	1.0	Instructor-led(Virtual or Face-to-Face)
Plateau time on participant wells	3.0	Exercise
Invisible Loss Time	1.0	Instructor-led(Virtual or Face-to-Face)
Review Units 7,8	2.0	Instructor-led(Virtual or Face-to-Face)
Perfect Well Exercise Program Review	3.0	Instructor-led(Virtual or Face-to-Face)
Participant Rig Time	2 weeks	On the Rig
Final Exam	8.0	Online Activity

Product Details

Categories: [Upstream](#)

Disciplines: [Well Construction/Drilling](#)

Levels:

Product Type: [Course](#)

Formats Available: [Virtual](#) [In-Classroom](#)

Instructors: [Peter Aird](#) [James Bobo](#) [Kevin Cuyler](#) [Mason Gomez](#) [Charlie Holt](#) [Ken Lunsford](#)
[Kent Saugier](#)