

# Department of Human Resources & Examinations

## Louisiana State Licensing Board for Contractors

LSLBC

### 3.5 Oil Field Construction

*The construction, installation, maintenance, or repair of oil and gas drilling rigs, decks and associated equipment, earthwork, access roads, foundations, mat roads, monitoring wells, retention tanks and ponds, pipework, pits, and pumps. Also includes the drilling of oil and gas wells and fabrication of oil field equipment, as well as valves, fittings, "Christmas Trees" etc. to regulate the flow of gas or oil on a drilling rig, oil well servicing, workover, and plugging and abandoning wells. Does not include transmission pipelines beyond the drilling field. Oil field construction is a subclassification of Heavy Construction.*

# Introduction



*Oil Field Construction is a closed book examination with 50 multiple-choice questions and a minimum passing score of 70. You will have **two hours** to complete this examination.*

This bulletin contains only a representative sample of the many good references available on the subject at the time the list was compiled. It is not a comprehensive listing. Please note that it is *not* necessary to read all of the books in order to pass the examination. Rather, this list is intended to suggest what types of references might be useful in helping to acquire the basic knowledge needed to perform this type of work. Often the best preparation is training through a mentor or through a company or organizational training program, or a higher educational or vocational educational training program, etc., along with actual experience.

We try to keep this list current with books in print, but some books go out of print from time to time. These books may be available in your local library's collection or through the services of Inter-Library Loan. If still in print, these books may also be available through your local bookstore or by contacting the publisher. All references available via the internet are followed by the appropriate website address for obtaining the reference. From time to time, website addresses may change and no longer be available. In such cases, please search for the appropriate new website address or contact the publisher or a library to obtain a copy.

## Content Outline

Content Domain	%
Safety	12
Associated State / Federal Regulations	12
Excavation, Grading, and Site Work	10
Pipelines and Pipe Work	10
Heavy Equipment	8
Foundations	8
Surveying and Map Reading	6
Equipment, Machinery and Engines	6
Oil Field Equipment	4
Pile Driving	4
Rigging and Hoisting	4
Welding	4
Rig Structures	4
Concrete	2
Building Construction	2
Structural Steel	2
Electrical Work	2

## References

**Title 43, NATURAL RESOURCES,** Part XIX. Office of Conservation—General Operations Subpart 1. Statewide Order No. 29-B. Available at: [http://dnr.louisiana.gov/assets/OC/43XIX\\_June2010.pdf](http://dnr.louisiana.gov/assets/OC/43XIX_June2010.pdf)

**Drilling:** A Source Book on Oil and Gas Well Drilling from Exploration to Completion; Short, J. A. "Jim"; PennWell Books; Tulsa, OK.

**Louisiana Administrative Code,** Title 43, Part XIX, Section 129; Title 73, Part I, Chapter 3, Section 303J, and Chapter 5, Subchapter B, Sections 503M and 515.

**Safety on the Rig:** Unit 1, Lesson 10; "Rotary Drilling"; Petroleum Extension Service, Division of Continuing Education, The University of Texas at Austin; Austin, TX.

**Oil and Gas Pipeline Fundamentals;** Available at: Kennedy, John L.; Pennwell Books; Tulsa, OK.

**Moving the Earth,** The Workbook of Excavation; Nichols, H.L.; North Castle Books; Greenwich, CT.

**Principles and Practices of Heavy Construction,** Third Edition; Smith, Ronald C. and Andres, Cameron K.; Prentice-Hall, Inc.; Englewood Cliffs, NJ.

**Welding Technology,** Second Edition; Kennedy, Gower A.; Glencoe Publishing Co.; Encino, CA.

**Industrial Safety and Health Management;** Asfahl, C. Ray; Prentice-Hall, Inc.; Englewood Cliffs, NJ.



[www.lslbc.louisiana.gov](http://www.lslbc.louisiana.gov)

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