



WELL SERVICES

Microhole:  
Coiled Tubing Drilling  
Rig

Aug 17<sup>th</sup> , 2005  
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**Schlumberger**

# Microhole Coiled Tubing Rig (MCTR)

## Vision

*The CTD rig developed will be capable of performing an entire "grass-roots" operation including drilling and casing surface, intermediate, production and liner holes in an economical manner. The unit will be able to drill with coil and rotary or top drive technology and will be able to run at a minimum 7 5/8" range 2 casing..*

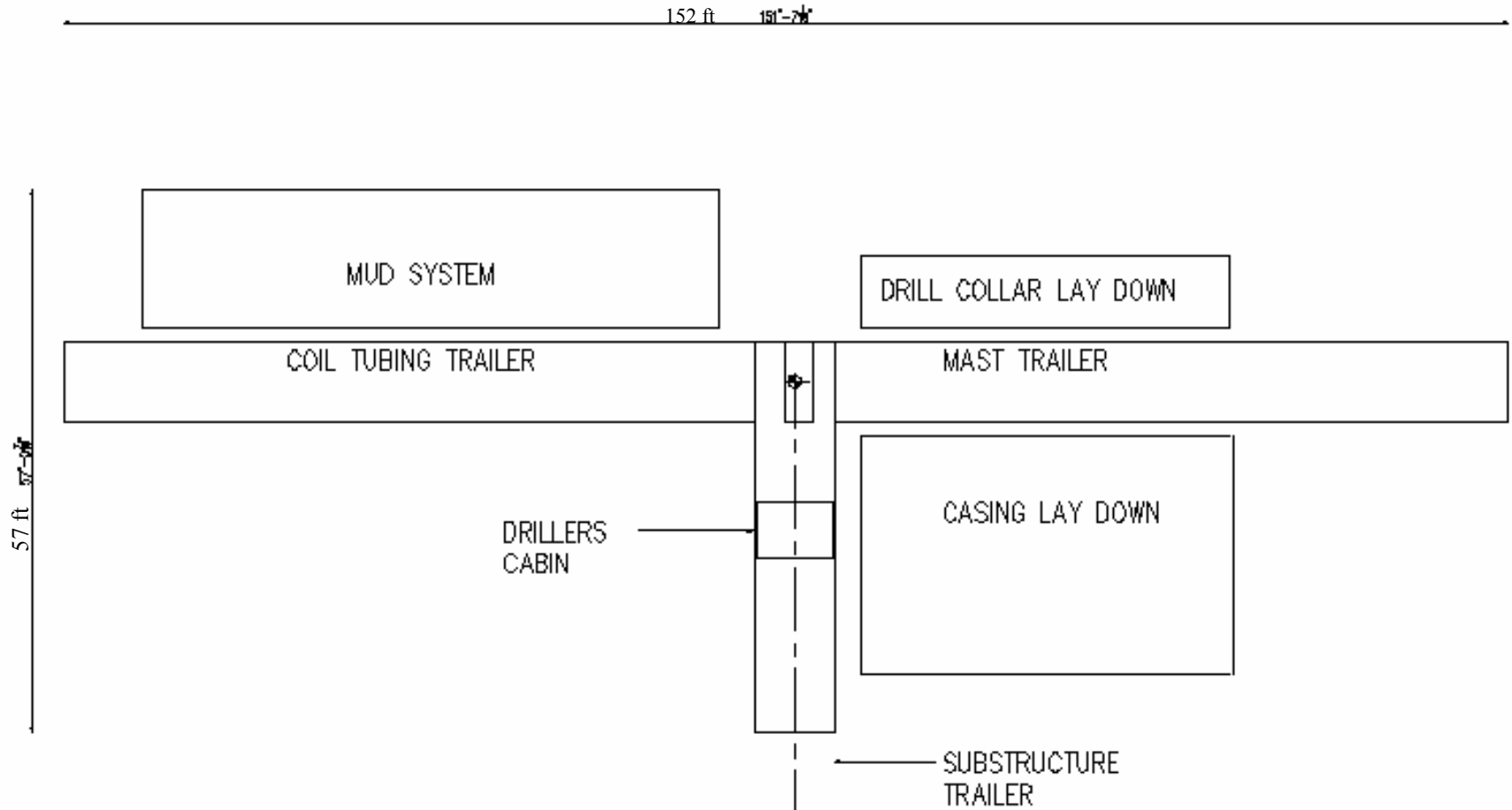
# MCTR Objectives

- Capable of CT drilling a 4-1/2" well to 5,000ft TVD with a 1,000ft lateral.
- Capable of drilling surface, intermediate and production casings with rotary technology.
- Able to run range II casing
- Develop a lubricator system for ease of tool deployment, while under balance.
- Develop a unit that will be US DOT permitable.
- Reduce drilling cost compared to conventional rotary drilling.

# Current Status

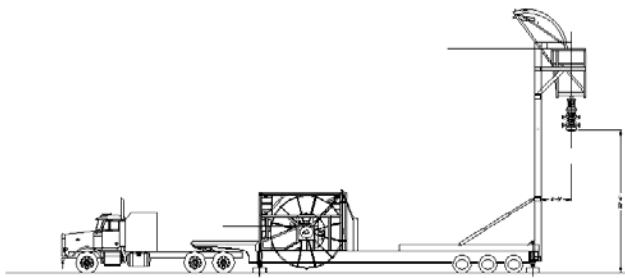
- Market Analysis Complete
- Operational Study Complete
- Conceptual Design Complete
- Currently working on Detailed Design

# MCTR Concept

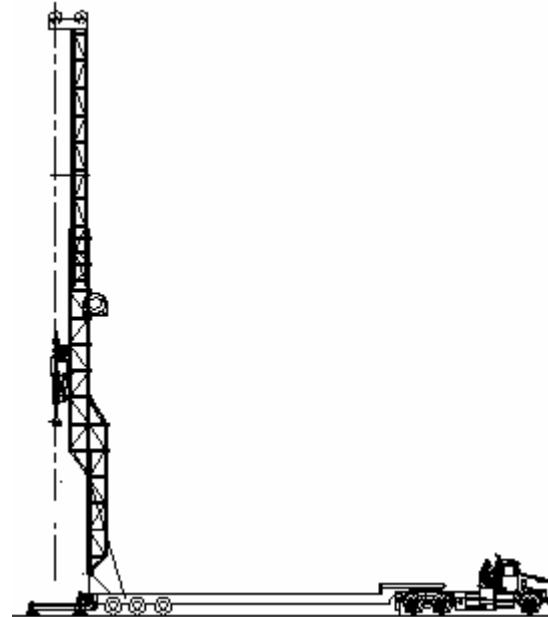


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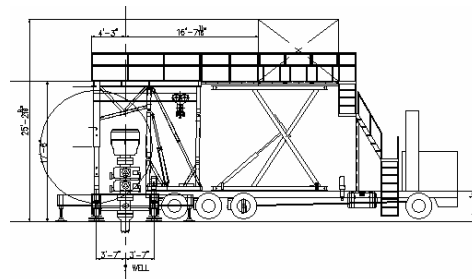
# MCTR Concept Unit



Coiled Tubing Mast Unit

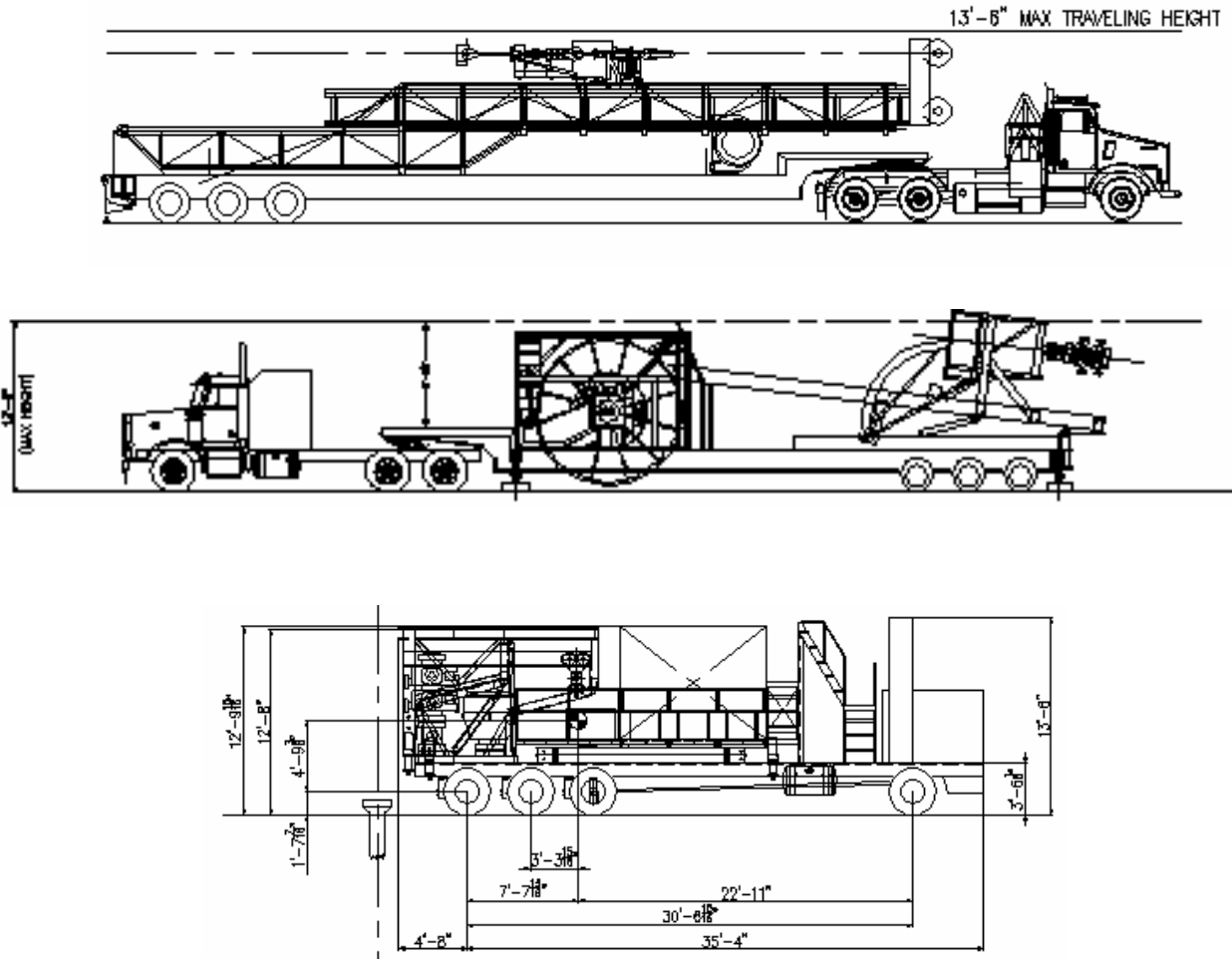


Derrick and Catwalk Trailer



Drillers Cabin and Drill Floor

# Transport Views



# Questions and Comments

