LESSONS

- Sleep when you can, it is now a commodity.
- Be ready to learn something new every day.
  - And be enthusiastic about it!
- Don’t be afraid to ask questions.
  - There’s a lot you need to know that wasn’t covered in class.
ACCOUNTING 101

- Learn to track every dollar spent.
  - Your boss will want to know!

- Balance your checkbook often.

- You are responsible for the expenses!

- Is it YOUR AFE!
AFE RESPONSIBILITY

- Break your AFE down into small parts
  - Keep it manageable!

- Morning reports can contain a wealth of knowledge
  - But it must contain quality data!

- If something looks wrong, ask questions
GRADING YOUR WORK

- AFE to Actual – How companies make their money
- How close is your actual drilling cost to the estimate?
- Is your cost estimate repeatable?
- What caused any overages or efficiencies?

DOCUMENT!
WORDS OF WISDOM

- Visit your field and do an extended stay on a rig
  - Operational experience will be paramount to your career

- Learn operations from your Superintendents and Consultants

- Learn to keep records and document everything

- Never ‘delegate up’. Always have a solution to the problem before addressing your boss
WORDS OF WISDOM

- Learn the lingo
  - Drilling has their own language, learn it!

- Build a team
  - Your consultants and Superintendents should be a working team with engineering and regulatory. Teamwork is best!

- Explore technology, but don’t forget the basics
  - What is the best application to drill faster, deeper, and cheaper?
Two things you must do as a Drilling Engineer:

- Never drill a well in the wrong spot.
  - Check your plats, SHL, and BHL

- No casing design failures
  - Burst/Collapse/Body/Joint
Plats and surface locations:

- Go with your land/field team to stake locations
  - Look for the things that make a buildable location!

- Google Earth is your friend
  - Look at satellite imagery before putting a stake in someone’s barn!

- A small change in surface location may save money on building or directional costs.
  - Is there a well near you that would require expensive tools unless the location is moved?
WORDS OF WISDOM

- Casing design:
  - Offsets and their importance –
    - Don’t reinvent the wheel, but understand why certain casing points exist
    - Can we challenge those points?
  - Remember your design loads
    - Use good engineering to design the most economic string of pipe
WORDS OF WISDOM

- Wake up every day ready to learn something new and apply that to your job.
- Build a team. Progress stops when office and field cannot communicate.
- Have fun, and enjoy your career!