

Internship Summary Energy Technology 2014

TC Energy Technology interns were able to:

- Input, maintain, perform QC for, extract, manipulate, and analyze production surveillance data;
- Provide data, information, and support to engineering staff,
- Recognize variations, deviations, opportunities from the data;
- Screen and analyze data to generate plots and maps

Project Examples:

- Compile AFE information (package and supporting materials)
- Compile OOIP & COIP
- Determine potentially affected offset wells (Radius Groups)
 - Build group membership
- Build bubble maps
 - Production and injection
 - Delta production post IPC
- Perform pre and post IPC DCA's
- Determine if OOIP and COIP correlates to results of IPC's
- Profile each well along with the IPC to determine if there is an inferred production effect on offset wells.
- Review and verify with Heat Management Team.
- Summarize results
 - Make economic input recommendations Delta production post IPC
 - Provide presentation and documentation of results in the form of charts, spreadsheets, and reports.
- Environmental regulation review
- Scanning and saving files, including labeling and organizing for easy access.
- GHG (greenhouse gas) Report
- Storm Water Annual Report
- Equipment and truck training
- Data entry and cleanup using Excel
- Creation of Lube Maintenance Manual
- Draft Report for benefits of "Tow Bar"
- Excel spreadsheet creation for maintenance inspection
- "SRL Fall Protection" failures document
- "Sub-structure and Lay Down Unit" report
- "New Mud Tank Design" report
- Letter for Alco PLC tech to gain entrance to U.S. from Canada
- Meet with mechanics to collect and input data for Maintenance Manual
- Discuss drawings, symbols, colors, descriptions for engineering project.
- Drew diagram of tanks in the "Mud Pit".
- Created excel sheet with formulas to calculate volume in gallons and barrels.
- Price quote sheet for project bid

Placement & Outcome:

- 4 Energy Technology students were placed in internships.
- All 4 of the internships were extended past the end-date identified at the beginning of the agreement.
- 1 student received a full-time Engineering Technician offer with Chevron.

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Student highlights

- “I learned that I need to be more confident in my skills!”
- “The thing I enjoyed most about my internship was the massive amount of knowledge and experience I gained!”
- “The coursework I completed was essential for me to have a basic understanding of how oil production works. Therefore, it was an immense help to me!”
- “Punctuality and professional appearance are everything. If you are late and sloppy-looking, no one will take you seriously!”
- “This was the “real deal” and school time was over. It was hit the ground running and the company had an expectation for your to perform your job with excellence.”

Provider highlights

- Intern “is a quick learner, works well with other employees!”
- Intern “is eager to learn and grow as a professional!”
- Intern “has good knowledge of OSHA standards” and “performed well in the field”.
- Intern possessed strong “verbal communication, motivation, friendliness, flexibility, and creativity” skills.

Reported Challenges-Students & Providers

- “I would have liked to have had more mentorship/training from my supervisor.”
- “I would have liked to have been exposed to more staff and built my personal and professional connections.”
- “I need to learn how to be more assertive.”
- “I was discouraged to find out there were no employment opportunities available at the completion of my internship.”
- “I was disappointed that the internship was not at all what it was sold to be on paper.”
- Intern “was eager to learn and completed projects, but work was inconsistent and should be checked for accuracy before submission.”
- Intern “could improve on her public speaking skills.”
- Intern “just needs time to grow as a professional”.

What we learned

- Skillsets and knowledge students are developing in program align with real-world expectations.
- We are on the “right track” with internship preparation and screening process!
- Our partnership can lead to meaningful experiences for industry and students!