

University of TAMU AADE Student Section

Annual Report (Fall 2020 – Spring 2021)

4/22/2021

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Introduction:

After all the hard work and dedication during the 2020-2021 school year, the semester is wrapping up for the TAMU AADE Student Section. This semester could have not been successful without the help of students, faculty, alumni, and most of all our sponsoring chapter. The officer team worked through the spring and summer to prepare for this year and hosted a number of general meetings, technical training, philanthropy events, and networking opportunities for our members here at Texas A&M University. It was a successful semester and we have already elected and trained new officers who are taking over as of April 26th, 2021.

Meetings:

In accordance with our bylaws we held a minimum of 4 meetings during the school year. Our section went beyond this minimum and held 11 meetings for our student body.

First meeting, September 8th, 2020:

Being our first meeting as a student section, our agenda was very basic. We basically gave the students present some basic information about what AADE was, how to become a student member, membership dues, and other potential benefits of being a member. The speaker for the first meeting was Amanda Martins from Halliburton. Her presentation was focused on the Do's and Don'ts of Interviews. This was very useful to our members as this meeting was right before the career fairs.

Attendees: 22

Second Meeting, September 15th, 2020:

Our second meeting of the semester was hosted by Christopher Gooch, who works for Ultrerra Drilling Technologies. Ultrerra is a leader in drill bit technology and manufacturing and decided to deliver a presentation on their new developments in the Haynesville formation. It was a very insightful presentation and Mr. Gooch was an excellent speaker. We had a great Q&A session at the end that was very beneficial for our members. Like all other meetings, we went over announcements and upcoming events.

Attendees: 18

Third Meeting, September 29th, 2020:

For our third general meeting of the semester, we had a representative from Oxy come and speak. Our speaker, Garrett Granier, was a Senior Drilling Engineer at Oxy and is a TAMU alumni. He spoke over the Unconventional Drilling in the New Mexico Delaware Basin Case History. Once again we had an engaging Q&A session at the end of the meeting.

Attendees: 18

Fourth Meeting, October 6th, 2020:

For the fourth meeting of the semester, we had Derek Nelms from Baker Hughes come and speak to the TAMU AADE members. He gave our student body the opportunity to choose what we wanted to hear him speak about so we sent out a poll and voted. The winning topic was “Drill Bit Hydraulics”. Mr. Nelms gave an excellent presentation and provided an abundance of knowledge that our student may have not previously had. He spoke over potential internship opportunities Baker Hughes and finished with a formal Q&A session.

Attendees: 13

Fifth Meeting, October 20th, 2020:

For our fifth general meeting of the semester, we brought in Schlumberger to host the meeting. We had three representatives, Matthew Carr, Jason Kroger, and Etienne Montaz-Rosset come and deliver the presentation. The focus of their presentation was on drilling optimization in the industry. Along with this, they wanted to interact with the students since they were not hiring in the fall but wanted to meet students for the spring semester. We were able to have an interactive session between the students and the industry sponsors. Like normal, we finished with a Q&A session and thanked the company for their time and effort.

Attendees: 20

Sixth Meeting, February 2nd, 2021:

For our first meeting of the new semester and our sixth meeting of the school year, we had Pioneer Natural Resources host our meeting. Our main speaker was Austin Jeske, who spoke over Drilling Automation in the industry and how it has changed over the years. It was a highly captivating and factual presentation that our students gained a lot of knowledge from. Additionally, there were a few other Pioneer representatives in attendance as well and when we had our Q&A session they all spoke on their specialties. This was a great opportunity for our students as they talked through job opportunities and one of our members ended up getting hired to intern with the company for the coming summer.

Attendees: 24

Seventh Meeting, February 16nd, 2021:

For our seventh general meeting of the year, we had Matthew Offenbacher and Richard Toomes from AES Drilling to come and speak to our student body. They have spoken for us in the past and delivered excellent presentations. Unfortunately, this was right when the winter storm hit Texas and things went awry. They were not able to speak for us but we rescheduled them for later in the semester.

Attendees: 16

Eighth Meeting, March 2nd, 2021:

For our eighth general meeting of the school year we had Darren Santeler from Vallourec USA Corporation come and speak to our student body. He gave an in depth presentation over what Vallourec USA does and then how that related to the customers and the product. He went through rotating while running, frac stage with fatigue, and sealability for production. Once again it was an excellent presentation and we finished with an engaging Q&A session where our speaker gave valuable information to the students.

Attendees: 15

Ninth Meeting, March 16th, 2021:

For our seventh general meeting of the year, we had Matthew Offenbacher and Richard Toomes from AES Drilling to come and speak to our student body. The topic they spoke over was Drilling Fluids Past, Present, and Future. In this presentation, they detailed drooling fluid function and applications along with how that related to the future of automation and science. We finished the session with a Q&A session and thanked the representatives for their time and excellent presentation.

Attendees: 15

Tenth Meeting, April 6th, 2021:

For our tenth meeting of the school year, we had Mr. Bill Cuyler from Petroskills lined up to come and speak to our students. However, there were unforeseen circumstances that arose for Mr. Cuyler the day before the meeting and he was unable to present.

Eleventh Meeting, April 20th, 2021:

For our eleventh and final meeting of the 2020-2021 school year, we had CUDD Well Control come and speak to our members. Senior Well Control Engineer, John Hatteberg, spoke over the History of Well Control. John gave a facilitating presentation and incredible accounts of well control situations from all over the world, some of them being firsthand accounts. Additionally, Vice President of the company, Sam Bowden, was in attendance and was interactive in the Q&A session with our members. It was an insightful discussion and our students gained a wealth of knowledge from these two representatives.

Attendees: 12

Overall, it was a very successful year for the American Association of Drilling Engineers general meetings. We had a variety of speakers come in and speak over a vast array of topics. These topics brought great knowledge and opportunities to our members and we are greatly looking forward to what the future holds for our general meeting next year!

Events:

Sophomore Resume Workshop & Welcome Informational, August 17, 2020:

AADE and SPE teamed up to prepare the incoming petroleum sophomore class for the virtual career fair. Taught handy tips and essential information such as: how to make the most out of virtual interactions with recruiters, how to prepare and deliver elevator speeches, how to perfect their resumes, and online interviewing tips. This event was held through Zoom.

Engineering Open House, August 26th, 2020:

AADE attended the Engineering Open House and connected with interested students. The event proved to be fun, engaging, and provided our organization with a respectable increase in membership. This event was held through Zoom.

Lessons Learned with R-14 Apps, September 18th, 2020:

This was a virtual event where a certificate was given after completing the training. Mr. Bloodworth covered oilfield incidents, lessons learned, and the benefits to the industry when turned towards open-collaboration. This event was held through Zoom.

PETE 225 Test Review, September 22nd, 2020:

The Academic Development Committee provided a review of the PETE 225 material for the first midterm. This is a volunteer work from AADE where students that took the course previously review and present highlights of the material covered in class. This event was held through Zoom.

Innova Drilling and Intervention, October 1st, 2020:

Innova gave a brief overview of the different features within the Innova Drilling Software and why they are important, as well as the types of companies in the industry who would use them. At the end of completing the event, a certificate was provided to the students. This event was held through Zoom.

Core Laboratories Tour, October 9th, 2020:

AADE members had the opportunity to visit Core Laboratories The Reservoir Optimization Company. They toured their routine core analysis facilities and their special core analysis labs. All attendees filled out a health declaration form as well as wearing a mask for the entirety of the event.

K&M Extended Reach Drilling Workshop, October 23rd, 2020:

K&M taught about extended reach drilling. K&M offers a range of courses for drilling, completion engineers. The K&M Extended Reach Drilling certification was extremely helpful in demonstrating students' understanding of horizontal drilling to companies during career fairs.

PETE 225 Midterm Review, October 28th, 2020:

The Academic Development Committee hosted a review session for the second midterm for members who were taking Pete 225 at the time. Great turn out and this event was held through Zoom.

Patterson-UTI Onshore Rig Tour, October 30th, 2020:

Students were driven out to a drilling rig near College Station and allowed to see the mechanisms that drive the rig. Students also strictly followed COVID-19 regulations as this was an in-person event.

Intro to Peloton Platform: Well Data Lifecycle, November 6th, 2020:

AADE partnered with SPE to join Peloton for a 1-day intro to Peloton Platform: Well Data Lifecycle course, introducing students to Peloton's new platform with a focus on the Well Data Lifecycle solution. Participating students received a certificate of completion indicating that they had successfully completed the course. This event was held through Zoom.

ROGII Geo-steering Workshop, November 13th, 2020:

Great event as members were very engaged and learned a lot. Certificates were given to the students who attend the complete workshop. This event was held through Zoom.

PETE 225 Final Review, December 3rd, 2020:

The Academic Development Committee arranged a final review session with the Pete 225 professor for our members taking the course.

PETE 355 Exam 1 Review, February 9th, 2021:

The Academic Development Committee hosted a review session for members taking Pete 355 at the time. This event was held through Zoom.

Wild Well Control E-Learning: Intro to Drilling Operations, February 12th, 2021:

In this WellSharp course, students were engaged throughout the 20 fully animated lessons and gained a thorough understanding of topics. The training is designed for operators, contractors, and service company personnel to further grasp drilling and well control fundamentals. Upon completing the course, members received the Wild Well Certificate of Completion.

PetroEd E-Learning Course: Basic Principles of Petroleum, March 5th, 2021:

Members learned through 7 modules regarding the basic principles of petroleum engineering.

PetroEd E-Learning Course: Oil Well Drill, March 5th, 2021:

Members learned through 10 modules regarding Oilwell drilling.

PetroEd E-Learning Course: IADC RigPass Certificate Program, March 5th, 2021:

This was an IADC certified course which was beneficial for all members, especially those that were looking to work on a rig.

Fundraising/Community Service Activities:

During the Fall 2020 semester, AADE successfully executed 2 philanthropic events to help our community. The first event was the Street Cleanup with Keep Brazos Beautiful, which was held on September 19th and had 6 attendees. During the event, our members picked up unsightly litter and trash items. The next event was BUILD, held on October 2nd with 10 attendees. During this event, AADE members sanded and painted panelling for the inside of shipping containers to be made into medical units for people in need. For the Spring 2021 semester, AADE participated in 2 park clean-ups, one at Anderson and the second at Gabbard, where we picked up trash to keep our parks nice and clean. AADE also participated in the Big Event, held on March 27th with 16 attendees, where we helped clean up the driveway to a woman's lot. Each community service event was successful despite the difficulties encountered during the pandemic.

During the 2020 - 2021 school year, AADE also launched two merchandise sales, where our own designs were sold as shirts, caps, etc. to the student members.

Financial Summary:

The TAMU student section finances are in very good shape; our total balance for all accounts as of now is $(\$14027.84 + \$10303.96)$ total of $\$24,331.80$. In the academic year of 2020-2021, our expenses were very minimal since all of our meetings were virtual. We have mostly spent money on reimbursements for the president and another member who purchased annual subscriptions for the association, a total of $(\$233.82 + \$125) = \$358.82$. We have also spent an amount of $\$352.02$ for purchasing merchandise of the association. Another notable spending for the year was (amount of $\$194.85$) for paying PetroEd for courses and certificates offered for members.

This expense however was paid for by the members first, then later paid by the association for the provider. Our team was able to generate a little fund from selling association merchandise. We have also received one form of fund this year which was the Chevron donation, estimated by the amount of \$500.

New Elected Officers (2021-22 School Year):

General officer elections were held from February 8th - February 14th . Student members were able to submit their nominations for the following positions: President, Vice President - Internal/External, Secretary, and Treasure. The results are as follows:

Congratulations to the 2021-2022 AADE Officers!

President: John Camp (Undergraduate, Petroleum Engineering)

Vice President External : Luis Abril (Undergraduate, Petroleum Engineering)

Vice President Internal: Aakash Verma (Undergraduate, Petroleum Engineering)

Treasurer: Stephen Perry (Undergraduate, Petroleum Engineering)

Secretary: Ricardo Escamilla (Undergraduate, Petroleum Engineering)

Future Forward:

The future looks very bright for the TAMU AADE Student Section. As mentioned above in the Financial Summary, the student section is in good shape in regards to funds. Also for next school year, we already have two verbal commitments for guest speakers at our meetings. This includes Cameron and Pathfinder Services. Last but not least, our new elected officers are a bright group of individuals with great ideas to make the student section continue to flourish.

Acknowledgments:

On behalf of all the current officers, student members, and myself we would like to say thank you to the AADE Texas A&M Chapter and our section advisor Professor Nonyaert for all the great help you have provided during this past school year.

TAMU AADE STUDENT SECTION FINANCIAL STATEMENT

US\$

INCOME From Fall 2020 - Spring 2021	
Original AADE existing account #1 funds	\$ 13,552.84
Original AADE existing account #2 funds	\$ 11,014.80
Chevron Donation	\$ 500
TOTAL - INCOME	\$ 25,042.64

EXPENSES From Fall 2020 - Spring 2021	
Meeting expenses	\$ -
Memberships	\$ 358.82
Social Activities	\$ -
Merchandise	\$ 352.02
Misc.	\$ -
TOTAL - EXPENSES	\$ 710.84

Cash US\$

TOTAL RESOURCES as of 05/08/2021 (date)

\$ 24,331.80

YEAR-END TOTAL BALANCE for all accounts

\$ 24,331.80