

# Texas A&M University AADE Student Section

## Annual Report (Fall 2019 – Spring 2020)

4/28/2020

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**Introduction:**

The '19-'20 year was very successful for AADE. We completely restarted our membership signups and gained 140 members in 1.5 semesters, we held continuous, interesting bi-weekly meetings, each with a respectable turn-out rate, and our number of rig tours (both onshore and offshore), certification trainings, workshops, etc. was enough to keep both the org leadership team and members busy throughout the 19' Fall semester. Each training and workshop opportunity offered valuable information and ensured the professional development of our members. Despite the hardships we faced in the Spring 20' due to the COVID-19 pandemic, AADE pulled through by offering its members online courses at a discounted rate, successfully instating a new officer team, and finishing the year with almost \$20,000 total income. Over 100 students were also issued industry-recognized certifications (worth thousands of dollars) in various areas of expertise such as well control, intro to software, and stuck pipe prevention. These certifications were issued at no cost to the students.

**Meetings:**

In accordance with our bylaws we held a minimum of 4 meetings during the school year.

*First meeting, Sept. 3rd, 2019:*

Our first meeting hosted a representative from NOV. Our presenter discussed a comprehensive study on the capital intensity of drilling, completion and production, at the barrel level, comparing various sources of hydrocarbons around the world. The turnout was about 40 members. At the beginning, we informed our member body of our upcoming events and served food and drink. Our president, Dean Murphy, presented some basic information about what AADE was, how to become a student member, membership dues, and other potential benefits of being a member. In addition, we talked about some club objectives that we had for the semester, such as fundraisers ideas, guest speakers, and other fun club activities.

*Second Meeting, Sept. 17<sup>th</sup>, 2019:*

Our first meeting hosted a representative from Vericor. Our presenter gave a talk regarding the technical and economic importance of the unconventional oilfield revolution with the critical importance of the North American success and contribution to the world economy. The turnout was about 35 members. Food and drink were served.

*Third Meeting, Oct. 1<sup>st</sup>, 2019:*

Our first meeting hosted a representative from Baker Hughes. Our presenter gave a presentation regarding the basics of directional drilling applications as well as a detailed review of tailoring a PDC drill bit design to meet the customers' performance criteria. We reviewed the anatomy of a PDC drill bit and discussed how industry professionals choose specific design characteristics to meet today's directional drilling challenges. The turnout was about 35 members. Food and drink were served



*Forth Meeting, Oct. 15<sup>th</sup>, 2019:*

Our first meeting hosted a representative from Lodestar International. The turnout was about 30 members. Food and drink were provided.

*Fifth Meeting, Oct. 29<sup>th</sup>, 2019:*

Our first meeting hosted a representative from Halliburton. Our presenter gave a presentation regarding Cerebro in-bit Sensing, a technology that has been run in over 400 commercial applications. We discussed the new insights that Cerebro has provided in bit design and drilling efficiency. The turnout was about 40 members. Food and drink were provided.



*Sixth Meeting, Nov. 12<sup>th</sup>, 2019:*

Our first meeting hosted a representative from Varel. The turnout was about 35 members. Food and drink were provided.



*Seventh Meeting, Jan. 21<sup>st</sup>, 2020:*

Our first meeting hosted a representative from Evolution Well Servicers. Our presenter gave a presentation regarding the company's innovative way of using natural gas to complete wells in a safer, more efficient, & environmentally friendly way. We also discussed other applications for turbines in the oilfield. The turnout was about 45 members. Food and drink were provided.



*Eighth Meeting, Feb. 4<sup>th</sup>, 2020:*

Our first meeting hosted a representative from AES Drilling Fluids. The turnout was about 30 members. Food and Drink were provided.

*Ninth Meeting, Feb. 18<sup>th</sup>, 2019:*

Our first meeting hosted a representative from IPT Global. Our presenter gave a presentation regarding the urgent changes coming to the oil and gas industry. We discussed the change from analog, to single digital solutions, to smart interconnected software. The turnout was about 40 members. Food and drink were provided.



*Tenth Meeting, Mar. 3<sup>rd</sup>, 2020:*

Our first meeting hosted a representative from Baker Hughes. Our presenter gave a presentation regarding the company's new Kymera drill bit line. Statistics and bit design were thoroughly discussed. The turnout was about 50 members. Food and drink were provided.



**Events:**

*Engineering Open House, Aug. 28<sup>th</sup>, 2019:*

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.



*TAMU/Texas State Tailgate, Aug. 29<sup>th</sup>, 2019:*

Hosted by our Tailgate committee. Food was served and friends congregated; the tailgate was a success.



*Baker Hughes Tour, Sept. 13<sup>th</sup>, 2019:*

Students carpooled to the Baker Hughes facility in The Woodlands, TX. Tour was informative and fun. Lunch was provided to those who attended.



*TAMU/Lamar Tailgate, Sept. 14<sup>th</sup>, 2019:*

Hosted by our Tailgate committee. Food was served and friends congregated; the tailgate was a success.

*AADE/SPE Kyle Field Cleanup, Sept. 15<sup>th</sup>, 2019:*  
AADE and SPE members join up to clean up Kyle Field.



*TAMU/Auburn Tailgate, Sept. 21<sup>st</sup>, 2019:*  
Hosted by our Tailgate committee. Food was served and friends congregated; the tailgate was a success.

*AADE Philanthropy: BUILD, Sept. 27<sup>th</sup>, 2019:*  
Hosted by our Philanthropy committee. AADE, SPE, and IADC attended the charitable BUILD event.





*Wild Well Control - LvL 1 Well Control, Sept. 27<sup>th</sup>-28<sup>th</sup>, 2019:*

Great participation from members. Training sessions were held during the weekend. Students who completed and passed the course examination at the end were given certifications of completion. Multiple students praised the course for being interesting and engaging.



*PETE 225/355 Test 1 Review, Sept. 29<sup>th</sup>, 2019:*

Hosted by the Academic Development committee. Two review sessions were held in the same day for two different PETE courses. Great turn-out. Snacks and beverages were provided.

*Patterson UTI - Onshore Rig Tour, Oct. 3<sup>rd</sup>, 2019:*

Interesting and informative tour hosted by Patterson UTI. Students were driven out to a drilling rig near College Station and allowed to see the mechanisms that drive the rig. Students were suited up, fed, and driven back that same afternoon.



*Valaris - Semi-Submersible Rig Tour, Oct 3<sup>rd</sup>-4<sup>th</sup>, 2019:*

Very exciting and never-before-done semi-submersible rig tour. This event was highly anticipated. We had a good turn-out, the tour was informative and enjoyable. Food was provided to those who attended.



*TAMU/Alabama Tailgate, Oct. 12<sup>th</sup>, 2019:*

Hosted by our Tailgate committee. Food was served and friends congregated; the tailgate was a success.



*ANSYS Fluent workshop, Oct. 16<sup>th</sup>, 2019:*

This seminar provided our members with an overview of some case studies in the areas of flow assurance, sand management, proppant flow analyses and pipe wall erosion/corrosion. We had a good turn-out and food was provided to those who attended.

*Intertek Stuck Pipe Prevention Course, Oct. 18<sup>th</sup>, 2019:*

Great turnout. Students remained engaged and active throughout the presentation. Certificates of completion were handed to students who attended the seminar in its entirety.

*Aggie Replant, Oct. 19<sup>th</sup>, 2019:*

AADE planted over 20 trees at the home of a Bryan-College Station resident. This is an event aimed at protecting the environment and getting to know the residents of College Station.

*Halliburton Technology Center, Oct. 25<sup>th</sup>, 2019:*

Members carpooled to Halliburton's Technology Center and toured the facility. Participants learned on the innovations made by Halliburton for multiple facets within the service company industry. Food was provided to those who attended.



*TAMU/MS State Tailgate - SM Energy, Oct. 26<sup>th</sup>, 2019:*

Hosted by our Tailgate committee. Food was served and friends congregated; the tailgate was a success.

*PETE 355 Test 2 Review (Lima), Oct, 27<sup>th</sup>, 2019:*

Hosted by the Academic Development committee. Good turn-out. Snacks and beverages were provided.

*TAMU/UTSA Tailgate - Butch's, Nov. 2<sup>nd</sup>, 2019:*

Hosted by our Tailgate committee. Food was served and friends congregated; the tailgate was a success.

*Peloton Intro to Wellview Course, Nov. 8<sup>th</sup>, 2019:*

This seminar provided an overview of Peloton's innovative software, Wellview. We had a great turn-out and food was provided to those who attended.





*Vorenkamp - Well Control Lvl 3, Nov. 10<sup>th</sup>, 2019:*

This 3-Day course proved to be challenging, exciting, and enjoyable for its participants. Mr. Steve Vorenkamp was the instructor for this course. Students could use simulators to train for well control situations. Food and drink were provided each day. A certificate of completion was given to each student who both attended the course in its entirety and passed the final examination.



*Adopt - A – Greenway, Nov. 9<sup>th</sup>, 2019:*

Hosted by our Philanthropy committee. The goal of this event was to help keep AADE's adopted park, Lemontree Park, clean by picking up trash and disposing of it properly.

*TAMU/South Carolina Tailgate-Varel, Nov. 16<sup>th</sup>, 2019:*

Hosted by our Tailgate committee. Food was served and friends congregated; the tailgate was a success.

*Freshman Department Informational Saturday, Nov. 23<sup>rd</sup>, 2019:*

AADE met with freshmen engineers to explain what the organization is about and what we do. The event was fun and engaging. AADE managed to gain new members.

*LSU/TAMU Tailgate, Nov. 30<sup>th</sup>, 2019:*

Hosted by our Tailgate committee. Food was served and friends congregated; the tailgate was a success.

*PETE 225/355 Final Review, Dec. 7<sup>th</sup>, 2019:*

Hosted by the Academic Development committee. Two review sessions were held in the same day for two different PETE courses. Great turn-out. Snacks and beverages were provided.

Engineering Open House, Jan. 15<sup>th</sup>, 2020:

*Cactus Wellhead Facility Tour - Hands-on Wellhead 101, Feb. 2<sup>nd</sup>, 2020:*

This tour allowed members to become familiarized with wellhead technology and see very important components of any well site up close and in-depth. We had a great turn-out, and food was provided to those who attended.



Aggieland Saturday – Booth, Feb. 8<sup>th</sup>, 2020:

*K&M Extended Reach Drilling Course, Feb. 21<sup>st</sup>, 2020:*

Very interesting and informative course. Instructor was a representative from K&M. Student's praised his interest and enthusiasm. Students who attended the seminar in its entirety were given a certificate of completion.

*Clayshoot Tournament, Feb. 28<sup>th</sup>, 2020:*

AADE's long awaited Clayshoot Tournament. Great turnout, highly advertised, and highly anticipated. Great turnout and a lot of fun.

**Fundraising/Community Service Activities:**

AADE participated in three volunteer events during the fall 2019 semester. On September 15th, we participated in Kyle Field Clean Up. This event is sponsored by a recycling company and encourages student organizations to raise money by picking up trash. AADE and SPE raised a combined \$370 by participating in this event. On September 27th, we participated in TAMU BUILD and helped build transportable medical clinics that are sent to Third World Countries in need. On October 19th, we volunteered with Aggie Replant and planted over 20 trees at the home of a Bryan-College Station resident. This is an event aimed at protecting the environment and getting to know the local residents of College Station. For the spring 2020 semester, we had three events planned. The first event occurred on February 22nd and consisted of cleaning up a park with Phi Sigma Rho (women's engineering organization at Texas A&M). This event was hosted by Keep Brazos Beautiful and allowed students to get outside and help clean up the environment. AADE had two other events planned, however, they were both canceled due to the situation surrounding COVID-19. The first event was to participate in The Big Event at Texas A&M University. This is a wonderful event where students volunteer to help the residents of the Bryan-College Station area with various things (gardening, mowing their yard, picking up trash, cleaning their homes, painting, etc.) We also had planned an event called "Mind Unwind 5K" that was also put on during the spring 2019 semester. This event was intended to help students relax before finals by volunteering to run in a 5K to raise money for charity. This year's planning committee consisted of AADE, SPE, ASME, and TAMU C4C. This was an event we were truly excited to host and is an event that should be considered for the future.

**Financial Summary:**

The Texas A&M Student section of Texas A&M University finances remained stable. In our main bank account, we concluded the year with \$10,903.52. In our savings, we remain at \$13,552.84, yielding a total amount of \$24,456.36. Our meetings were fully sponsored by company representatives. We began the year with \$23,339.48 from when I took over in May 2019 statement, yielding a profit of \$2,116.88. Due to the unfortunate circumstances, we were not able to hold our annual Technical Exhibition; the sponsorships for this event were returned to each respective company. However, AADE still remained profitable through this year due to budgeting, and other events such as our Annual Clayshoot Tournament. AADE's expenses this year included merchandise, which we were planning to sell but due to the pandemic, we were unable to. Further, we only received payments for few of the tailgating events this year, and split our expenses with the Texas A&M Society of Petroleum Engineers student section. We did have more miscellaneous expenses this year – we had some troubles with our website, therefore we paid to have a new one. Further, the new officer team purchased two tablets for our Outreach team. We added an online system for payments as well, which added miscellaneous fees. The Student Organization Finance Center took out further miscellaneous fees due to the addition of Marketplace as well as Net Encumbrance fees. We hope that the new Officer team will utilize our purchases for the future.

**New Elected Officers (2010-11 School Year):**

General officer elections were held from March 9th through April 3rd. Student members were able to submit their nominations for the following positions: President, Vice President External, Vice President Internal, Secretary, and Treasurer up until March 9<sup>th</sup>. Then the actual voting began on March 27<sup>th</sup> and ended on April 3<sup>rd</sup>.

**Congratulations to the 2020-2021 AADE Officers!**

President: Luke Smith (Undergrad. Junior, Petroleum Engineering)  
Vice President External: Luis Abril (Undergrad. Senior, Petroleum Engineering)  
Vice President Internal: Juan Montero (Undergrad. Junior, Petroleum Engineering)  
Treasurer: Mohammad Nemer (Undergrad. Senior, Petroleum Engineering)  
Secretary: Samantha King (Undergrad. Junior, Petroleum Engineering)

**Future Forward:**

The 2020-2021 year looks very optimistic for the Texas A&M AADE Student Section. As mentioned above in the Financial Summary, AADE has been very profitable this year. The new officer team is looking forward to putting together exciting and captivating events for the student body in this upcoming school year. We have already created a solid list of events, put together an incredible director team, and are currently working on solidifying sponsorships and meetings for the next semester. We have a bright outlook for the future and are ready for another great year.



# Texas A&M AADE STUDENT SECTION FINANCIAL STATEMENT

US\$

<b>INCOME From Fall 2019 - Spring 2020</b>	
AADE Texas A&M University Section Beginning Balance (April 2019)	\$ 22,339.48
Chapter Dues Collected	\$ 0.00
Clayshoot Total Donations	\$ 13,250.00
Meeting/TG/Other Donations	\$ 5,614.66
SOFC Encumbrances	\$ 500.00
Misc Income (SPE/AADE Tailgate Cleanup)	\$ 185.00
<b>TOTAL - INCOME</b>	<b>\$ 19,549.66</b>

<b>EXPENSES From Fall 2019 - Spring 2020</b>	
Transportation Costs	\$ 288.98
TG Costs	\$ 1694.00
Merch Costs	\$ 3,170.60
Food Costs	\$ 3,507.95
SOFC Fees	\$ 5,648.57
Misc Cost	\$ 1,622.68
<b>TOTAL - EXPENSES</b>	<b>\$ 17,432.78</b>

Cash US\$

**TOTAL RESOURCES as of 04/28/2020 (date)**

**\$ 24,456.36**

<b>YEAR-END TOTAL BALANCE</b>	<b>\$ 24,456.36</b>