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www.tulsadandd.net

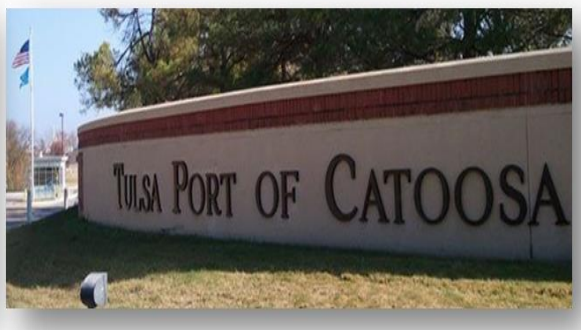
Editor: Kathy Staton



MAY YOUR STUFFING BE TASTY,
MAY YOUR TURKEY BE PLUMP.
MAY YOUR POTATOES'N GRAVY...
HAVE NARY A LUMP,
MAY YOUR YAMS BE DELICIOUS,
MAY YOUR PIES TAKE THE PRIZE,
MAY YOUR THANKSGIVING DINNER
STAY OFF OF YOUR THIGHS.

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The Port of Catoosa field trip!
3-Club joint trip between Rotaract, Rotary Club of
Tulsa and Desk & Derrick...

1:30 pm Friday, November 9th, 201
5350 Cimarron Rd, Catoosa, OK 74015

The tour will include:

- A "classroom" style presentation inside and
- Barge ride departing from the wharf
- Happy hour afterwards

RSVP to jonathan@tulsadandd.net





The Desk and Derrick Club of Tulsa Annual Industry Appreciation Luncheon

Keynote Speaker

Lee Krystinik

Founder of EQUUS Alliance, LLC

Presenting

**"The Unconventional Boom and Beyond...
What does the future hold for oil finders?"**

This presentation will address the implications of the unconventional resources boom for North American energy supplies, our industry and our colleagues over the next several decades. How does the unconventional resources boom dovetail with the alternative energy technology boom? (potentially very well) Will we reach energy independence? (probably not for oil). As the unconventional boom winds down, and it will, what opportunities that might be on the energy horizon as we move toward plays that have been called "unconventional unconventional" or "hard oil" by some analysts? What skills will we need to get at the REALLY tough stuff to find and produce?



Dr. Lee F. Krystinik uses integrated geoscience to explore for oil and gas. He earned his Ph.D. in geology in 1981 from Princeton University and began his career as a research geologist for the U.S. Geological Survey. Over the years Krystinik served in various geological positions, rising to Chief Geologist for Union Pacific Resources and Global Chief Geologist for ConocoPhillips before founding Fossil Creek Resources, a private equity funded start up, successfully sold in 2014. He is presently principal and founder of Equus Alliance, an alliance of experienced explorationists pursuing low-cost oil targets via new technologies.



In addition to being an accomplished equestrian, Mr. Krystinik has won a number of awards for technical and presentation excellence, has been an AAPG distinguished lecturer in North America and in Latin America and has had the honor to serve as president of both SEPM and AAPG.

We are pleased to announce our Annual
Industry Appreciation Luncheon

November 14th, 2018

11:30 am ~ Luncheon Buffet

Summit Club

15 W. 6th Street, BOA Building

The Desk and Derrick Club of Tulsa invites you to join us for our **Annual Industry Appreciation Luncheon**. This is the time for our members to express our appreciation to our employers and other patrons for their ongoing support of our organization.

~~Luncheon Cost: \$30~~

**FREE for Members and up to
two of their guests!**

Additional Guests: \$25

RESERVATIONS REQUIRED

Make your reservations no later than

5:00 p.m. on Friday November 9th

reservations@tulsadandd.net

Free Parking – BOA parking garage
(enter from Boulder) or ONEOK garage at 112 W 6th St.
Bring your parking ticket to the luncheon for validation.

The Desk and Derrick Club of Tulsa promotes the education and professional development of individuals employed in or affiliated with the petroleum, energy and allied industries. Visit us at: www.tulsadandd.net





PRESIDENT'S LETTER

November 2018

Members,

As we transition into the fall season, I am reminded of the changes all around us. The days are colder, but the trees appear to be warmer with their orange, red and yellow leaves that eventually form a colorful blanket on the ground. Sweaters, scarves, and boots are moved to the front of the closet, and pantry shelves are stocked with soups and warm beverages in preparation for the days to come.



Just as the seasons change, so do our lives with each new chapter. Families grow and loved ones pass on; an exciting new job begins and then later gets relocated. There are so many things that can happen – some unexpected, some not; some that make sense, and others that leave us with so many questions. It is the way we prepare ourselves for change that determines our perspective and whether we choose to welcome it or not.

My family gave me a mug years ago for Christmas that said “Everything happens for a reason...just believe!”. By adopting this mindset, we can spend less time dwelling on the past and more time focusing on the future; less time procrastinating and more time preparing; less time worrying and more time welcoming. I hope this helps us all as we go into each new season of life.

We are so privileged to have such an experienced and talented speaker this year for our Annual Industry Appreciation Luncheon on Wednesday, Nov. 14th. Mr. Lee Krystinik, former president of the AAPG, has spoken to thousands of people in the areas of geology and leadership, and will be sharing with us what is currently happening in the industry and what is yet to come. So, please make every effort to attend and bring your CEO, manager, or anyone else in your network! You will not want to miss this event!

Also in November, we have the opportunity of going to the Port of Catoosa on Friday, Nov. 9th for a tour, a ride on the barge, with a happy hour to follow. Please see more details in this issue of the Tulsa Oil Drop.

Sincerely,

Dorothy Lenhart, 2018 President



**NOVEMBER ADDC President's Message****Board of Directors**

PRESIDENT

Christina ForthFFAF Cargo
PRESIDENT ELECT**Terry Ligon**L Chem Tech Company Inc
VICE PRESIDENT**Keith Atkins**Murphy USA Inc..
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TREASURER**Wendy Sparks**Carl E Gungoll Exploration Inc.
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Limited**Christina Forth**
President36 Shores Drive
Leduc, AB T9E 8N7
Canada
780-887-0450

Christinaf4th@gmail.com

Happy Halloween!

The recommendations from a special Ad Hoc committee were approved by the 2018 Board and will help us move forward for 2019, with the following changes to the Special Committees list. Special committees will be ADDC Manual Review, Contest, Strategic Planning Committee (Long Range, Leadership, GAME), Nominating, and Technology. The proposed changes to the Standing Committees will require an amendment to the Association Bylaws. Therefore, the 2018 Board will propose to add amendments for the 2019 B&P Meeting for the following Standing Committees: Club Bylaws Review, Membership, Program, Finance Review Committee, with the new changes consisting of Education/Certification, Marketing Committee (Publications, Insight, Social Media, Public Relations/Trade Shows).

Research has begun on the outsourcing of the ADO duties, we have submitted RFQs and are waiting to hear back from these companies. Right now, we have heard from 1 company. We will keep you updated as information becomes available to us.

Thank you all, who took the time to reply back to us on the survey. 414 members responded, a third of our membership. There were some key questions, that will help drive the board forward by your responses.

A special Ad Hoc committee was created to review the outline of conventions. Convention 2021 will be the new first alignment convention, therefore we are looking at the structure, time, and money of these conventions. With your responses of the survey, we will go forward with the option of reducing the days of the convention.

The Financial Review committee has begun work as well on the 2018 books. Sam Thomas and Brian Carter are working on this project. Thank you both!

The updated Bylaws for 2019 have been posted on the website. Please ensure you update your Club bylaws if needed.

Membership renewals have gone out to all club presidents on October 24, 2018. Congratulations to Westbank for being the first to submit their New Club Officers form (ADO31) for 2019. Thank you, Angie. Please ensure to update your information, including your correct email address. This is important, as this is what we use to send out surveys. We had 20 percent return of bad email addresses. As a reminder, each member can log into the website and update their own information. You don't need to wait for someone else to do it. Maybe someone in your club could take on the task of updating the website for members.

The 2018 Convention made a profit this year, the books are now complete. Thank you to Region II for all their hard work and due diligence. Thank you!

Budget and Planning will be January 11-12, 2019 in Tulsa, Oklahoma. Please reach out to a Regional Director, Chairman or Board member for any ideas you may have for 2019. We really do want to hear from membership.

Wayne has started to email the Region Director and President monthly letters, thereby removing them from the Insight publication. This should keep the Insight looking more professional and industry related. More like the DDJ was. Hoping this will attract advertisements as well.

Christina Forth



Leaders' Letters cont.



Region VI Director's Newsletter

Casi Nichols
Region VI Director

region6rd@yahoo.com

Wendy Simon
Butler County

Tammy Watkins
Enid

Pam Hitz
Great Bend

Jamie Sabata
Liberal

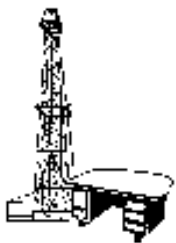
Michelle Burgard
OKC

Susan Bullard
Red Earth

Dorothy Lenhart
Tulsa

Abby Bock
Wichita

This letter is not available at this time.



ASSOCIATION OF
DESK AND DERRICK
CLUBS



Zebco Reel Oilfield History

When Jasper R. Dell Hull walked into the Tulsa offices of the Zero Hour Bomb Company in 1947, he carried a piece of plywood with a few nails in a circle wrapped in line. Attached was a coffee-can lid that could spin. Hull, known by his friends as "R.D.," was an amateur inventor from Rotan, Texas. He had an appointment with executives at the Oklahoma oilfield service company.

Since its incorporation in 1932, the Zero Hour Bomb Company had become well known for manufacturing dependable electric timer bombs for fracturing geologic formations. It had designed and patented technologies for "[shooting wells](#)" to increase oil and natural gas production.

The company's timer controlled a mechanism with a detonator in a watertight casing. The downhole device could be pre-set to detonate a series of blasting caps, which set off the well's main charge, shattering rock formations.

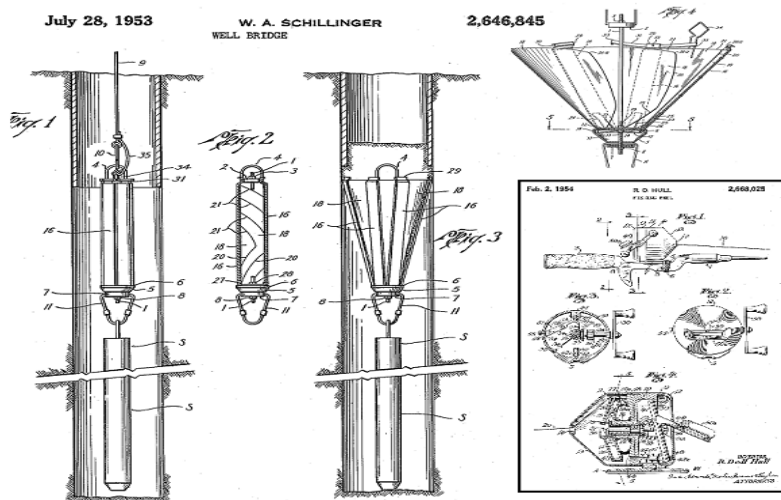
Hull's 1947 visit was timely for Zero Hour Bomb Company, because post World War II demand for its electrically triggered devices had declined. With the military no longer needing oil to fuel the war, the U.S. petroleum industry was in recession. The company and other once booming Oklahoma service companies were reeling, and the future did not look good.



"Vast fossil fuel reserves beneath other Middle Eastern nations were being unlocked," notes journalist Joe Sills in a 2014 article. "OPEC was beginning to take shape, and Texas and Oklahoma-based domestic oil in the U.S. was about to take a decades-long backseat to foreign oil."

Further, with company patents expiring in 1948, "the Zero Hour Bomb Company needed a solution," explains Sills, digital editor for [Fishing Tackle Retailer](#). After examining Hull's contraption, a prototype fishing reel, the company hired him for \$500 a month. Hull later received a patent that would transform Zero Hour Bomb Company – and sport fishing in America.

Downhole Patents and a Fishing Reel Beginning in the early 1930s, Zero Hour Bomb engineers patented many innovative oilfield products. A 1939 design for an "Oil Well Bomb Closure" facilitated assembly of an explosive device capable of withstanding extreme pressures submerged deep in a well. A 1940 invention provided a hook mechanism for safely lowering torpedoes into wells. The locking method was to "positively prevent premature release of the torpedo while it is being lowered into the well."



Two patents in July 1953 for a well bridge would be among the last the Zero Hour Bomb Company received as an oilfield equipment manufacturer, thanks to a fishing reel designed by R.D. Hull in the late 1940s and patented on February 2, 1954.

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1941 patent improved positioning blasting cartridges with a canvas plugging device that looked like an upside-down umbrella. The "well bridge" automatically opened "when the time bomb or weight reached a position at the bottom of the well."

A 1953 design that took this concept even further would be the last patent Zero Hour Bomb received as an oilfield equipment manufacturer. By then, the earliest model of Hull's new "cannot backlash" reel was attracting crowds at sports shows.



Zebco Reel Oilfield History (cont.)

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“After trying to design ‘brakes’ for bait-casting reels, and even failing at launching one fishing reel company, Hull hit on a better way one day as he watched a grocery store clerk pull string from a large fixed spool to wrap a package,” reports Lee Leschper in a 1999 Amarillo Globe-News article.

Hull realized he needed a cover to keep the line from spinning off the reel itself and soon developed a prototype, Leschper notes. “Zero Hour officials asked two company employees who were avid fishermen for their opinions on the reel. One tied his set of car keys to the end of the line and sent a cast flying through one of the windows in the plant. The other sent a cast high over the building. All were impressed.”

Given his own Hull-designed fishing reel at about age six, Leschper recalls the “tiny black pushbutton reel” came with 6 lb. monofilament line (a [petroleum-based polymer](#)), a four-foot white hollow fiberglass rod, and a hard yellow plastic practice plug.



Zero Hour Bomb Company's first “cannot backlash” reel made its public debut at a Tulsa sports expo in June 1949.

It is even possible the plug was made from Marlex, a revolutionary plastic invented at Phillips Petroleum Company in Bartlesville, 45 miles north of Tulsa (see [Petroleum Product Hoopla](#)). Leschper adds that “I wore it down to a nub pitching it across the hard-baked grass in our front yard.”

Earlier, Hull, had tested several designs before developing a production process; the first reel was produced on May 13, 1949. Called the Standard, it made its public debut at a Tulsa sports expo in June. By 1954, the reel’s simple push-button system used today was introduced.

The regional marketing name – Zebco – became popular, but the bottom of each reel’s foot was stamped with the the name of the manufacturer, Zero Hour Bomb Company. The official name change to Zebco came in 1956, soon after a friend of President Dwight D. Eisenhower asked the company to send a reel to the president.

According to a [Zebco company history](#), when White House security officers saw the package labeled “Zero Hour Bomb Company,” they plunged it into a tub of water and called the bomb squad. After changing its name to Zebco, the company left the oilfield for good.

In 1961, Zebco was acquired by Brunswick Corporation and introduced the 202 ZeeBee spincast, “an instant classic.” After shifting reel assembly production to China in 2000, Brunswick a year later sold Zebco to the W.C. Bradley Company. Zebco headquarters today remains in Tulsa, where it leases a 200,000-square-foot warehouse and distribution center.

Jasper R. Dell “R.D.” Hull was inducted into the Sporting Goods Industry Hall of Fame in 1975 after receiving more than 35 patents. At the time of his induction, 70 million Zebco reels had been sold. He retired from the former oilfield time-bomb company in January 1977 after being diagnosed with cancer and died in December at age 64.



A Zero Hour Bomb Company package addressed to President Eisenhower was submerged in water by White House security in 1956. Photo courtesy Fishing Tackle Retailer magazine.



A Hypocritical “Hero:

Arnold Schwarzenegger is undoubtedly best known for his legendary heroics on the silver screen. Covered in mud, he survives the Predator – killing it by exploiting its one weakness. As the Terminator, he protects John Connor from a homicidal shape-shifting machine to save humanity. An unhappy construction worker, he can't remember who he is, but finally recalls and with his last breath saves thousands of lives by releasing air into the Martian atmosphere.

Like the character he played in *Total Recall*, Mr. Schwarzenegger must be having a tough time remembering who he is – a former Republican Governor.

In Austin for the South by Southwest festival, he revealed he has hired a team of California lawyers to sue oil and gas companies for “first degree murder” by “knowingly killing people all over the world.” Instead of acting like a Republican, Mr. Schwarzenegger must be trying to play the hero again. The only problem is this isn't the movies, this is real life, and there is nothing to “save” us from.

Like many of us, Mr. Schwarzenegger had a long commute to work. After he was elected Governor of California, he decided not to move to the Governor's Mansion at the state capitol in Sacramento, but in-stead traveled more than 100 miles for seven years from his mansion in Brentwood, Calif.. The only difference: he took a private jet, which cost around \$30,000 a roundtrip and impacts the environment about the same amount as a small car does in three years. And when he's not taking a private jet to work, he's driving around in a five-ton, 12-mile to the gallon Mercedes or going to lunch in a military-grade Hummer.

But now, according to the *Governator* it's “absolutely irresponsible” for oil and gas companies to sell their products because they “know [their] product is killing people.” Wait a minute, here. So, it's okay for oil and gas companies to sell their products to Mr. Schwarzenegger when he needs to fill up his private jet or Hummer, but it's not okay for them to sell their products to regular folks so they can drive their vehicles to work? This kind of do-as-I-say-not-as-I-do hypocrisy is repulsive and offensive. Mr. Schwarzenegger is not a hero, he's just another elitist Hollywood hypocrite telling you and me how to best live our lives.

The real heroes are the oil and gas workers – the landman, the roughneck, the petroleum engineer – who wake up every day and go to work to support their families and our way of life. Together, these workers produce around 10 million barrels of oil and 96 billion cubic feet of natural gas each day that fuel our cars, light our homes, and make plastics and many other items we use every day. The industry doesn't just provide the raw materials to make the things we need – it creates jobs and grows our economy. In 2015, the oil and gas industry supported more than 10 million jobs in the United States with an average salary over \$100,000 and contributes more than \$1 trillion to our economy every year.

Despite what Mr. Schwarzenegger may think, the story of energy before oil and gas was simple – most work was done by human or animal muscle. This caused the vast majority of the population to live short lives of hard labor in extreme poverty. Before oil and gas were used to power the industrial revolution, the global average life expectancy was only 25 years old with 30 percent of children dying before age 15. During the 1800s, 80 to 90 percent of the population of the United States worked in agriculture and spent 74 percent of family income on food, clothing and shelter. Today, the average person lives more than three times longer than the average person in 1800. This is partly because climate-related deaths, such as starvation or hypothermia, have decreased 98 percent in the United States since the use of oil and gas became widespread at the beginning of the 20th Century.

It's sad – but Mr. Schwarzenegger has gone from superstar hero to Hollywood hypocrite. On the one hand he routinely uses gas-guzzling jets and cars while on the other he sues oil and gas companies. Given this stunning hypocrisy, I have a question. If oil and gas companies are murderers for selling their ----product, does that make Mr. Schwarzenegger an accessory for being such a good customer?

By Railroad Commissioner Wayne Christian

03/15/2018

Reprinted from Oct. 2018 ADDC Insight

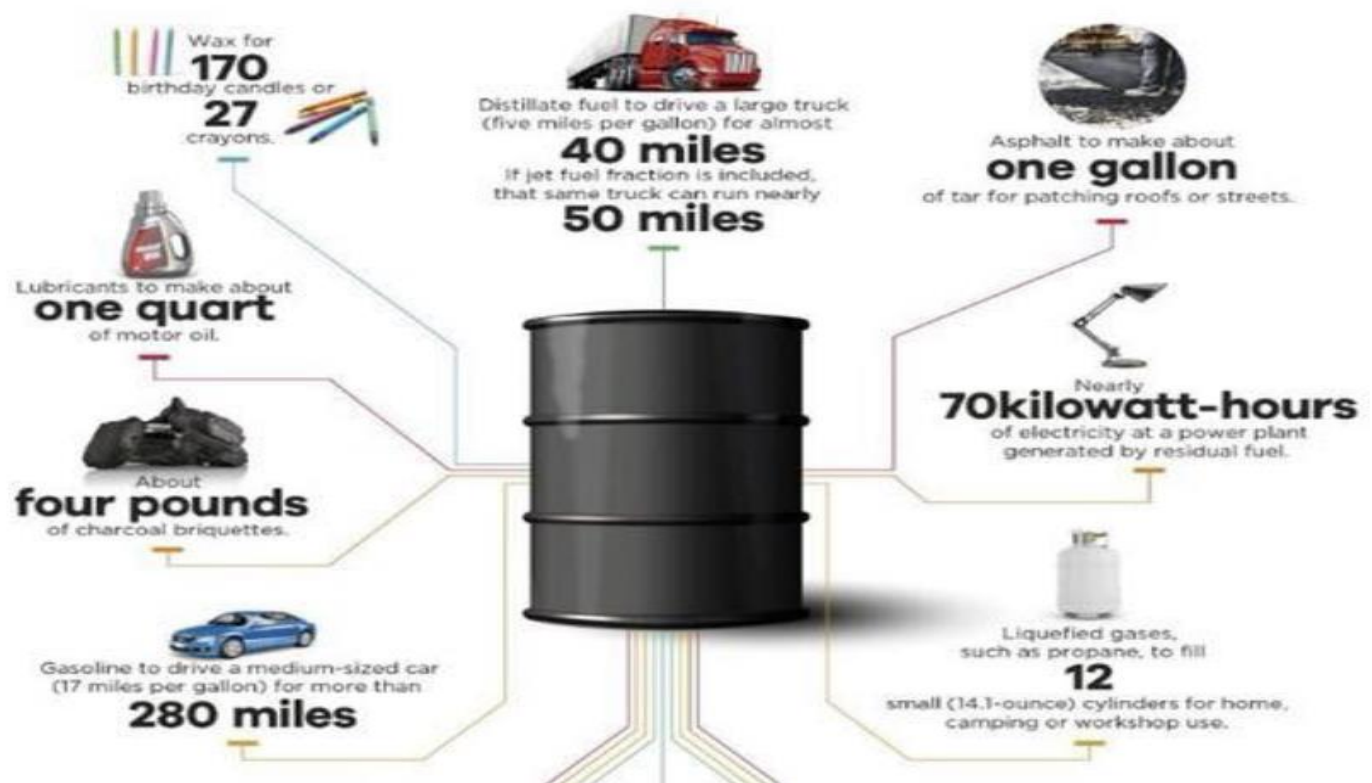
https://www.addc.org/site/assets/files/1075/2018-09_addc_insight.pdf





What can you make from one barrel of oil?

Researchers broke down a typical barrel of domestic crude oil into what could be produced from it. The average domestic crude oil has a gravity of **32 degrees** and weighs **7.21 pounds per gallon**. Here's what just one barrel of crude oil can produce:



There would be enough petrochemicals left in that same barrel to also provide the base for:



The lighter materials in a barrel are used mainly for paint thinners and dry-cleaning solvents, and they can make nearly a quart of one of these products. The miscellaneous fraction of what is left still contains enough byproducts to be used in medicinal oils, still gas, road oil and plant condensates.

It's a real industrial horn of plenty.



Free the Market: No Taxpayer Subsidies, No Carbon Taxes

By Railroad Commissioner Wayne Christian

07/24/2018

Since being sworn-in as our 45th President of the United States, President Donald Trump has implemented an America-First energy strategy that has de-fanged an overreaching EPA, ended the Clean Power Plan, and removed us from the one-sided Paris Climate Accord, which threatened our national security, our nation's energy security and the economic growth that comes along with it.

As a result, the United States has regained its rightful place as a global energy leader. For the first time since 1972, the nation produced more than 10 million barrels of oil per day, and many believe we will surpass Saudi Arabia and Russia as the world's top energy producer in the next five years.

Regrettably, this progress is under attack. A Republican U.S. Congressman from Florida is attempting to under-mine these hard-fought gains by proposing a carbon-tax on the American people. This carbon tax would increase the cost of gasoline for American families by more than 20 cents per gallon. Much like former President Obama's Clean Power Plan, which would have increased the average Texan's power and gas bills \$1,060 annually, a carbon tax is a terrible idea because it harms American families and unfairly punishes one form of energy over others.

Unfortunately, picking winners and losers in energy is nothing new in our country. For example, the American tax-payer has been on the hook for so-called green energy taxpayer subsidies for years. In fact, right now, a Texan would receive a \$7,500 tax credit from the federal government and \$2,500 rebate from our own state government to purchase an electric car.

This is money out your pocket and mine, going to help wealthy environmentalists buy an \$82,000 Tesla. That's roughly \$23,000 more than the \$59,000 the average family makes in a year in the United States. It's no wonder Elon Musk is the largest recipient of taxpayer subsidies in our nation's history.

Boondoggles like Solyndra have highlighted the massive waste within the "green" energy movement. Yet we've done little to nothing to stop similar debacles from happening in the future. Inefficient, expensive, and unreliable sources of energy, like wind and solar, continue to receive taxpayer subsidies over significantly more efficient, affordable, and reliable sources, such as natural gas. The inequality of these taxpayer subsidies is remarkable. Wind energy receives \$56.24 in taxpayer subsidies per megawatt hour and solar receives \$775.75. Natural gas receives 64 cents. This means wind is subsidized more than 878 times and solar more than 1,212 times than natural gas. Corporate investment follows these taxpayer subsidies, which is why companies keep adding more expensive wind and solar power to their "energy mix" – at the expense of hard-working Texas families.

But wind and solar aren't just expensive – they're also highly inefficient and extremely unreliable. Wind and solar only produce energy intermittently – when the wind blows, and the sun is shines – and it takes 40,000 acres of windmills and 10,000 acres of solar panels to produce the same amount of energy as 12.5 acres of natural gas. This has been done by our knows-what's-best-for-us politicians in Washington D.C. despite the tremendous amount of data that shows how enormously inefficient and unreliable these forms of energy are compared to oil and natural gas. Implementing a carbon-tax on American families is a feel-good solution in search of a problem. The United States lowered its carbon emissions more than any other country in the world last year. That's the ninth time that's happened in the last eighteen years. This reduction is a direct result of technological advancement, such as fracking and horizontal drilling, and the increased use of natural gas. Punitive policies, such as carbon-taxes, do little to decrease carbon emissions, while increasing the cost-of-living for American families. It's all risk and no reward.

Reprinted from Oct. 2018 ADDC Insight https://www.addc.org/site/assets/files/1075/2018-09_addc_insight.pdf



*NOVEMBER 25TH,
2018
5:30-8 PM*

JOIN THE ROTARACT CLUB OF TULSA FOR AN EVENING OF WINE, CHEESE, CHOCOLATE AND THE ARTS.

The proceeds of the evening will sponsor Rotaract initiatives such as:

1. **Rotaract Kicks** - A Rotaract charity that supplies athletic shoes to local children who would like to play sports but cannot afford shoes.
2. **Revitalize T-Town** - Our hometown non-profit service project whose mission is to end substandard senior housing in Tulsa.
3. **Mainsprings** - Our international charity, which provides a home, school and vocational training for homeless girls in Tanzania, Africa.
4. **Rotaract Scholarship** - A Rotaract charity that awards a scholarship to one male and one female Oklahoma student each year.

TICKETS \$50 EACH
SPONSORSHIPS AVAILABLE

PURCHASE TICKETS AT TULSAROTARACT.COM/FUNDRAISING
OR CONTACT US AT TULSAROTARACT@GMAIL.COM.

A special thanks to our title sponsor AAON Inc.





SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5 Board Meeting	6	7	8	9 <i>PORT OF CATOOSA FIELD TRIP</i>	10
11	12 THANK YOU VETERANS	13	14 <i>Monthly Luncheon</i> 	15	16	17
18	19 <i>Kris Russell</i>	20	21	22 Happy Thanksgiving!	23	24
25	26	27	28	29	30	

reminders

DECEMBER BIRTHDAYS

12/08 *Beth Hesling*
12/25 *Jake Sherman*

Check out these interesting and informative websites:
www.tulsadandd.net
www.addc.org

Thank you!
FOR YOUR MEMBERSHIP



In Closing...

Editor's Comments

by Kathy Staton

WOW! What exciting news! Our club has had an excellent year financially in 2018! To show appreciation to all of the members and their companies, our IAL meeting this month is being paid for by the club, covering each member and two of their guests. Any additional guests will be given a reduced rate of \$25. Please pass this info on to all your co-workers, bosses and other friends who would benefit from our club. The buffet at the Summit Club is always elegant and delicious. Our featured speaker, Lee Krystinik, former president of AAPG, will be making a presentation on "The Unconventional Boom and Beyond...What Does the Future Hold for Oil Finders?" I HOPE YOU CAN ATTEND!!

Reservations need to be received by this **Friday, November 9, 2018**. Please see the flyer on page two of this newsletter for all the details. It's going to be great!! Thank you to all our members and their employers for their the support.

DESK AND DERRICK CLUB OF TULSA
would like to acknowledge these companies
for supporting our club!



SERVICE & TECHNOLOGY CORPORATION



Paladin Land Group

YTURRIA FAMILY RANCHES



MORE GOOD NEWS!!! Grand Prize Raffle items at next week's IAL are a Cabela's ice chest and rod & reel combo. The Quantum rod is a special edition rod made right here in Tulsa by Zebco! Check out the article about Zebco's history in the energy industry on pages 6 and 7 of this newsletter.



GRAND PRIZE RAFFLE
Buy your tickets at check-in

Cabela's Polar Cap® Equalizer 25 qt. Cooler
Plus Quantum Bill Dance Special Edition
Baitcast Rod and Reel Combo



Note: All submissions to The Tulsa Oil Drop can and shall be edited as necessary. Viewpoints expressed by submitter are those of the writer and not necessarily of The Desk and Derrick Club of Tulsa or the Association of Desk and Derrick Clubs (ADDC).
Editor's Email: kstaton@impxp.com.