#### Issue 6

#### June 2017



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### PRESIDENT'S MESSAGE RE-IGNITING THE FLAME



June 2017

Happy Summer to all and hoping that everyone stays safe!!

Our guest speaker for May was our own Gabriella Hunter, who shared the history of Halliburton. It was a very informative presentation, with an emotional ending because she was employed with them for a long time. She has very fond memories of her 37 years working for Halliburton and her years with Desk and Derrick.

The Westbank Club will be taking a break in June with no meeting scheduled; enjoy the time for vacations and time with your families. In July we will be gearing up for our Industry Appreciation Night (IAN)/Scholarship Meeting where we will be recognizing our Industry supporters and proudly presenting scholarships to five deserving recipients. We raise money throughout the year to help college students achieve their goals in life. In August, we hold our annual fund raiser for that cause: Bunco Night; it is a lot of hard work but definitely worth it when you see the looks on the students' faces when they receive their scholarships.

Speaking of hard work, I wanted to thank all the Committee Chairpersons again this year for doing an excellent job. Keep up the good work.

Stay cool and hope to see everyone at our July 26<sup>th</sup> IAN/Scholarship Meeting.

## Susan

## CORRECTION MAY ISSUE:

Page 7—Photo bottom of page, Past Westbank Club President Cheryl LeBoeuf was incorrectly listed as "Cheryl Bergeron."

#### 2017 BOARD OF DIRECTORS

President—Susan Miller Vice President –Angie Duplessis Secretary—Gabriella Hunter Treasurer—Jo Ann Brown Immediate Past President—Gaylen Guillory Director—Theresa Adams Director—Bonnie Wall

Parliamentarian—Alice Gros

2017 COMMITTEE CHAIRMEN

Aimee: Dottie Ancona Bulletin: Judi Adams Bylaws: Gabriella Hunter Election: TBA Field Trip: Gabriella Hunter Finance: Dottie Ancona General Arrangements: Elaine Lesnak Membership/Orientation: Jo Ann Brown Nominating: TBA Program/IAN: Angie Duplessis/Theresa Adams Scholarship: Gaylen Guillory Social: Alice Gros Community Relations: Angie Duplessis



Congratulations! Debbie Brazeal—winner of 50/50 drawing!



2017 MEETI		
<b>Board Meetings</b>	Membership Meetings	
January 18	January 25	There will be no
February 15	February 22	meeting in
March 15	March 22	J
April 12	April 19	Junebut start
May 17	May 24	preparing for
June—No Meeting	June – No Meeting	the start of
June—No Meeting July 19	June – No Meeting July 26	the start of Hurricane and
•	U	Hurricane and
July 19	July 26	5
July 19 August 16	July 26 August 23	Hurricane and
July 19 August 16 September 13	July 26 August 23 September 27	Hurricane and Mosquito

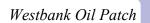
# June 2017 Birth Stone: Pearl Flower: Rose

SUN	MON	T U E	W E D	THU	FRI	S A T
Ř				1 Hurricane Season Begins	2	3
4	5	6	7	8	9	10
11	12	13	14 F lag Day	15	16	17
18 Father's Day	19	20	21 First Day of Sum- mer	22	23	24
25	26	27	28	29	30	

Month	June	July	August	September	October	November	December	January
Date		07/26/17	08/24/17	09/28/17	10/26/17	11/16/17	12/14/17	01/24/18
Speaker		Chris Leopold, House of Representa- tives District 105	Charles Miller	Jo Ann Brown	Kathy Denley	Wayne Rau	2018 Region III Director Elect	Billy Nungesser, Lt. Governor
Торіс	No Meeting	Scholarship/ IAN	Using the OCS BBS Financial Assurance Module	Orientation	Valero - Then and Now	Gretna Historical Society	Installation	What's Happening in Louisiana
Invoca- tion		Theresa Adams		Angie Duplessis	Judi Adams			
Intro- duction		Theresa Adams		Angie Duplessis	Judi Adams			
Decora- tions		Cheryl & Cora	Debbie & Linda	Angie Duplessis	Judi Adams		Alice Gros	

## Fun Facts about June

- It is the first month of the summer season.
- June in the Northern Hemisphere is similar to the month of December in the Southern Hemisphere.
- June is known as a great month to get married.
- The famous English tennis tournament Wimbledon is played during the month of June.
- The longest day of the year occurs on either June 21st or 22nd.
- Several countries celebrate their flag days during this month including the United States, Sweden, Denmark, Romania, and Argentina.
- June 21st is Go Skateboarding Day. (http://www.ducksters.com/history/juneinhistory.php)





## Guest Speaker Gabriella Hunter and Westbank Club President Susan Miller

## Cementing a Reputation: The Story of Erle P. Halliburton

# Erle P. Halliburton once said, "*The two best things that ever happened to me were being hired, and fired, by the Perkins Oil Well Cementing Company.*"

He joined Perkins in 1916, but the unauthorized changes he made to the company's cementing procedures, which he found deficient, soon sealed his fate. For Erle Halliburton, the status quo was never acceptable. His persistent perfectionism led him to move on to start a company which would transform the global oil services industry.

## The "Erle" of Tennessee

Erle was born in Henning, Tennessee, on September 22, 1892. His father died when he was 12, so he left home at 14 to help support the family. He learned how to operate a train locomotive and steam crane on the Mississippi River, ran a steam shovel in California, and worked as a salesman in New York during his early years. The courage with which Erle endured his difficult plight instilled him with a success-oriented disposition that he would later use to build a world class oil services company.

## To Texas with Hope

Shortly after his termination from Perkins, he and his wife, Vida Tabor Halliburton, moved to Burkburnett, Texas, where he introduced oil well cementing to local drillers.

The oil boom had just hit Texas. Wildcatters were beginning to have problems with their deep shafts. The steel pipe funneling oil up from the Permian basin and other reservoirs of crude developed cracks, allowing groundwater to contaminate the crude. In some cases, the pipes even exploded.

Erle offered a solution. He sealed the well pipes in a sheath of concrete, thereby protecting the pipes from corrosion and the crude from contamination. He also built the Cement Jet Mixer, which ended the need for the hand-mixing of cement. These solutions rendered his services in great demand across the oil fields of Texas and Oklahoma and remain a central element of well construction to this day.

## **Cementing a Reputation: The Founding of Halliburton**

In response to this demand, Erle and Vida founded the New Method Oil Well Cementing Company in Duncan, Oklahoma, in 1919. But he and Vida were still in dire straits financially. They started off the business with nothing but a mule-drawn wagon that he borrowed from a friend. They even pawned Vida's wedding ring so that they could pay for hired help. It is hard to imagine these early hardships seeded a company that now employs over 75,000 people and has an annual expense account of over \$24bn—a true American success story.

Erle's efforts and risk-taking quickly started to justify themselves. Erle's big break came in 1920, when Skelly Oil Company hired him to control a wild well in the Hewitt-Wilson Field in south-central Oklahoma.



The successful application of his methods at the field and the resulting word-of-mouth advertising, led to the creation of the Halliburton Oil Well Cementing Company (HOWCO) in late 1920 in Watson, Oklahoma.

On March 1, 1921, the U.S. Patent Office assigned a patent to Halliburton's "method and means of excluding water from oil wells," which included the Jet Mixer and the Measuring Line, a tool used to guarantee cementing accuracy.

## Erle Goes Global: Halliburton Expands

The popularity of Erle's cementing methods grew rapidly. By late summer 1922, in the wake of the Texas oil boom, Halliburton had cemented its 500th well. In 1924, the business was incorporated in Delaware. The stock of the corporation was owned by Erle and Vida and by 7 major oil companies.

The sale of 5 cementing units to an English company in Burma in 1926 marked Halliburton's entrance into the international market.

Halliburton established its first research laboratories in the early 1930s where the company tested cement mixes. It also began offering acidizing services to break down the resistance of limestone formations and increase the production of oil and gas.

## Halliburton Goes Offshore

In 1938, Halliburton performed its first offshore cementing job using a barge-mounted cementing unit at a rig in the Creole Field off the Louisiana coast. This marked the beginning of what would become the world's most extensive offshore service. In 1947, Halliburton's first marine cementing vessel went into service.

At the time, making the investment in going offshore was a big risk as oceanic production was a nascent and unproven field. But it sure did pay off. Today, Halliburton boasts leading market share in most offshore regions. The Gulf of Mexico (GOM), where it all started for Halliburton, is still a critical driver of Halliburton's revenue and profits.

Although Halliburton does not disclose specific financials, we estimate that the company's Gulf Of Mexico revenues will total about \$1.5bn this year, and this work comes with operating margins in the low to mid 20% range (much higher than onshore as the company's entire North America business currently average in the mid-teens). Needless to say, the move offshore has paid off in spades.

## <u>A Man with a Fertile Mind</u>

By the 1950s, Halliburton had cemented a total of 100,000 wells. This decade also saw the company's first appearance in Europe with Halliburton Italiana SPA. In 1952, company revenues topped \$100 million for the first time. But Erle did not confine his inventive genius to the oil field.

He also invented such novelties as aluminum luggage and a portable breathing machine. By the mid-1950s, he had secured 38 patents for oil-related tools and several other unrelated inventions. This relentless pursuit of invention lives on at Halliburton. Today, the company holds over 4,000 patents on various oilfield technologies.

## The End of the Beginning

At the time of his death in October 1957, Erle Halliburton was estimated to be worth \$75-100 million.

Erle Halliburton's dismissal from Perkins was the end of the beginning (rather than the beginning of the end) for this true oil services pioneer. Today, Halliburton operates in 80 countries, represents 140 nationalities and employs more than 75,000 people. It is the second-largest oil services company in the world.

Indeed, two of the best things that have happened in the history of the oil services sector has been the hiring and firing of Erle Halliburton from Perkins Cementing Company.

Presented by Gabriella Hunter



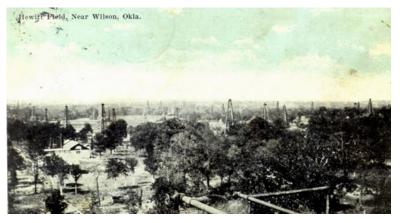


Erle Halliburton's persistent perfectionism led him to become a pioneer in the oil services industry

Westbank Oil Patch



Burkburnett, Texas experienced an oil boom in 1919



The Hewitt-Wilson Field was the site of Erle Halliburton's first big break



The place where it all started: Halliburton's original headquarters in Duncan, Oklahoma



One of the earliest self-propelled Halliburton cementing trucks; observe the Jet Mixer at the rear of the truck on the left

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## Susan Miller, Westbank Club President, presents years of membership certificates of achievement



Robbye St Pierre—30 Years

Debbie Brazeal—35 Years



Hilda Wood—45 Years



Date:

Place:

Saturday, August 5, 2017

Doors Open: Games Begin: 5:30 P.M. 6:30 P.M.



Immaculata Knights of Columbus Hall 566 Avenue D, Marrero, LA

\$20 per person advance purchase \$25 at the door

Food provided before game begins!

Includes: Spaghetti Dinner, salad, bread, dessert Soft drinks, tea and coffee



All proceeds benefit the Desk & Derrick Club of the Westbank Scholarship Fund

For tickets contact: Gaylen Guillory 504-301-8809 gagui811@cox.net



Bonnie Wall 504-439-1650 seawall4@cox.net



# 2017 CHRISTMAS CARDS FOR OUR SOLDIERS

## WESTBANK DESK AND DERRICK'S SPECIAL COMMUNITY PROJECT

SEND THOUGHTS AND WISHES FOR HAPPY HOLIDAYS, SAFE AND QUICK RETURN HOME, GOD'S BLESSING ON THEM, THANKS FOR PROTECTING OUR FREEDOMS, ETC. ETC. ETC.

# **OUR GOAL IS 2017 IN 2017**

CARDS AVAILABLE AT MEETINGS OR BONNIE WALL HOME

# DEADLINE OCTOBER MEETING

OTHERS HELPING WITH OUR PROJECT - THE JVFC, CHILDREN AT BOUDREAUX SCHOOL, GIRL SCOUTS IN PRAIRIEVILLE, THE BETA CLUB BATON ROUGE CATHOLIC SCHOOL, FAMILY AND FRIENDS OF D & D MEMBERS!

CONTACT BONNIE R. WALL 504-362-3671 (H) 504-439-1650 (C)

E MAIL seawall4@cox.net



## **Coupons for Troops**

When something's expired you have to get rid of it, right? Not when it comes to coupons.

Did you know?

### Expired coupons work.

Save 'em whether they're active or expired! We'll send both. Coupons can be used on overseas military bases for up to six months past their expiration date.

### Military families benefit.

Many military families rely on donated coupons to help offset the expense of living overseas.

## -- Bagging Instructions -

 Cut out the coupons (Not expired more than 3 months). Please note that the bases will not accept them unclipped because they don't have the manpower to clip them.
 Sort them into piles by type:

a. Food items (Pet food counts a Food)

b. Non-food items

c. Baby supplies are 2nd priority, do if you want to be a REAL Sweetie, make a separate pile for those items.

3. Stuff them into plastic baggies and label.

Only "Manufacturer's Coupons" can be used. They can be from the newspaper, dispensers in grocery stores, tear-pads, and elsewhere as long as they state "Manufacturer's Coupon" on them. No assistance vouchers. No food stamps. No store coupons. No restaurant coupons. No Internet coupons.

Thank you for making a difference in the lives of our military troops and their families!

## Region III Director's Newsletter



June 2017

Dear Region III Members:

Even though the official day of summer is in June, Memorial Day weekend to me always feels like the beginning of summer. I hope everyone had a most enjoyable and wonderful Memorial Day Holiday. It is an honor for us to remember all of the fallen heroes that gave the ultimate sacrifice so that we can have the freedoms that we so much enjoy today. Since Memorial Day is a time to remember those who have died for our country, I also would like to take a moment to acknowledge all of the military personnel and their families who have served, as well as, those who are currently serving. I want to say Thank you to them for their service.

If you haven't thought about volunteering as a Region Rep before, now is the time to not put it off any longer. The ADDC website has a list of the committees and what the duties are for them. I know Carol and Christina would greatly appreciate all volunteers so they can get these committees filled as soon as possible. It is truly an educational and rewarding experience to serve in this capacity. You will gain so much by learning more about our wonderful Association and meeting other hardworking members like yourself. The volunteer forms are also on the ADDC website.

Convention is almost here and I am getting excited about visiting the wonderful city of San Antonio the week of September 18<sup>th</sup> through September 23rd. It is a city full of history and excellent food. I encourage you to get your registrations mailed in as soon as possible. The early deadline is August 1st. You will also want to get your hotel reservations in early at the Holiday Inn Riverwalk if you haven't already. This convention looks to be filled with lots of educational fieldtrips and seminars. Sheryl Minear will be hosting a free Leadership Training Seminar, as well as, our own Region III members, Lori Landry and Sarah Hulin, who will also be hosting a different free seminar. So be sure to check out all of educational opportunities in the registration packet on the ADDC website. There is no other experience like attending a convention! I hope to see a huge turnout from our Region III members this year.

Happy Father's Day to the many dads and for those who their fathers are no longer with them, I hope your memories will provide you with comfort on this day.

Claudia Prather

2017 Region III Motto: Open Hands: Receive by Giving

Claudia Prather Region III Director

budckp@amail.com kandcbilling@amail.com

Lois Folse Baton Rouge

Rebecca Rainwater El Dorado

Sarah Hulin Lafayette

Rhonda Reynolds Laurel

Margaret Kreider Morgan City

Carol Schiavone New Orleans

Sheryl Cole Red River

Susan Miller Westbank



ASSOCIATION OF DESK AND DERRICK CLUBS

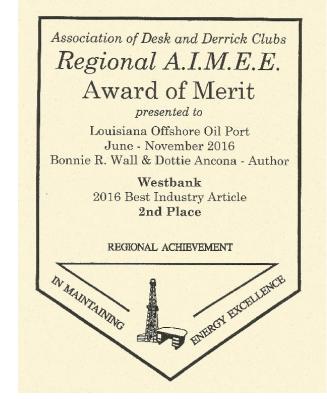
Regional A.I.M.E.E. Award of Merit presented to The Man Behind The Rig, The Life and Time of Alden J. "Doc" Laborde May 25th, 2016 James Hunter - Speaker Bonnie R. Wall - Author

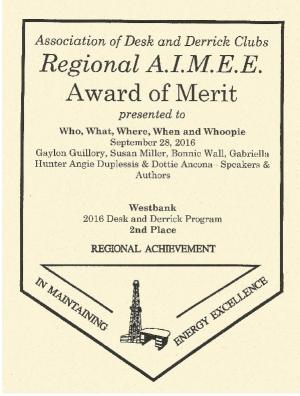
Association of Desk and Derrick Clubs

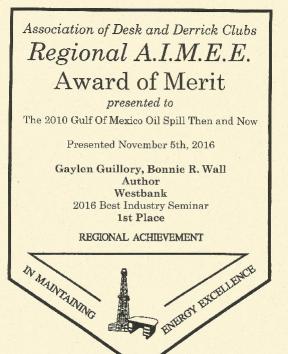
Westbank 2016 Best Industry Program 2nd Place

**REGIONAL ACHIEVEMENT** 



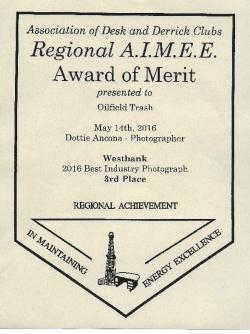






IN MAINTANING





#### Land and Leasing—ADDC Certification Program Judi Adams, Region III Rep

Region III hosted the Land and Leasing segment of the ADDC certification program this year. Instructor John Peiserich conducted the seminar, instructing the class on various aspects of L&L, such as Ownership of Mineral Rights, Leasing Laws, Title Search, Lease Terms, Executing a Lease, and Managing Agreements.

### What is a Landman?

Historically, a landman is responsible for identifying, locating, communicating with and negotiating with the mineral owners and getting a fully-executed lease.

A landman might:

- Negotiate leases, sales, and purchases of mineral rights
- Run title searches and ownership reports
- Cure title defects
- Obtain surface agreements
- Perform due diligence
- Negotiate agreements with other oil and gas companies.

### Who Owns What?

In most oil-producing nations, minerals are owned by the GOVERNMENT

The Government sections off land into smaller areas called "licenses" or "leases" and petroleum companies must bid on the leases in order to drill. The bidding process is very complex and onerous and it can take years to obtain a lease.

With few exceptions, each of the Canadian provinces owns and manages its own natural resources. There is active oil and gas industries in 12 of the 13 provinces.

Some of the steps taken by the Department of the Interior (DOI) before a lease is available for bid include:

- DOI takes suggestions about which areas should be leased
- An environmental impact statement is prepared
- DOI gives public notice of proposed lease sales and allows affected states to comment
- DOI selects tracts and accepts bids
- DOI issues final notice of sale

Types of ownership in the U.S. include State, Federal, Native American, and Private. 2/3 of the US land is privately owned.

The Rule of Capture, based on a court finding related to a fox killed not by the hunting party but by someone that happened upon the fox being hunted, gave the fox to the man that killed it and not to the hunters that had been pursuing it. This applies to oil and gas as the first person to "capture" the resource owns it, even if it is drained from the subsurface of someone else's land. The mineral owner's rights include the right to use the surface, the right to develop, the right to convey or lease, and the right to share in lease benefits.

## Chain of Title

Title search is a process to determine who owns what and serves multiple purposes. Sources of information regarding titles can be found in appraisal districts, tax assessors/collectors; county engineers, and county clerks. Documents such as deeds, tax certificates, plats, road use permits, marriage and death records, divorce proceedings, and civil lawsuits provide information needed to clear a title of ownership and follow the "Chain of Title."

## **Establishing the Contract**

Oil and gas leases must always be in writing and dated; they are a contract that follows real estate law. The capacity of the person signing must be verified; is he/she of majority age? Can he/ she sign on behalf of an organization if that is the owner? Items in a contract or lease can be negotiated but again should be written clearly. Negotiable items could include bonus amount, primary term length and option to extend, royalty rate, storage rights, and surface use. Three standard lease clauses/provisions are conveyance, term, and royalty. The lease should always include provision for exploration and production and storage, as well.

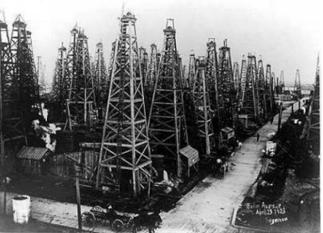
The lessor and lessee have rights that must be protected through the lease. Things like damage, setback, development, location approval, and non-surface rights are important to the lessor; the lessee may be more interested in clauses that cover option to extend, shut-in provisions, default, pooling, and delay in marketing.

We covered much more in detail but the summary of the seminar is below:

- In most oil-producing nations, the governments own the mineral resources and therefore petroleum corporations must negotiate with government representatives.
- Governments will section their lands into smaller areas and offer licenses or leases to companies that permit for exploring, developing and producing oil and gas.
- Before a company can begin developing land for oil and gas, it must first acquire rights to explore, drill and produce on the site.
- The Bureau of Land Management is responsible for managing federal mineral rights onshore, and offshore the government controls the Outer Continental Shelf.
- Leasing privately owned land requires the aid of a landman who identifies, locates, communicates and negotiates the rights to explore, drill and produce.

The class then took the 25 question exam; all passed with excellent scores.

Other regions are conducting segments of the certification course; at ADDC Convention in September the topic will be "Drilling."



June 2017

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ADDC

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REGION VII DIRECTOR Marilyn Carter Westbank Oil Patch

Maggi Franks President

1600 Edgewood Drive Charleston, WV 25302

> (304) 343-5557 O (304) 206-7377 M

maggi@edgewoodcc.com (o) maggsmf@aol.com

June 2017,

Friends and fellow members,

Can I share something with you? As most of you know, I consider the members of ADDC to be my extended family. I have some little sisters whom I try to look out for; some older sisters who teach me the ropes; a brother or two who keep me on my toes; and more moms looking out for me than any one person deserves. It's an extended family that I would have never dreamed possible.

Like any family, we have good times, and bad times. There are those relatives you don't see for months or years, but are always in your hearts and on your minds. There are those family members who you see every day, but tend to get on your nerves. Lately, our family has been shrinking, and pulling a part. This is something I hate, and have been pondering about for months. How do I get our family all back on the same page, and how do I get our family to grow?

We all have ideas about how to do this, we just need to share them. As you know over the past few years the Board has been issuing surveys to the membership, trying to get a better handle on how ADDC should move going forward. After Regions VII's meeting, we will be sending out a very short survey, 3-5 questions. It will focus strictly on member recruitment and retention. If we can get our collective thoughts together, maybe we can turn the tide and return to our glory days when we had to refuse members!

Now how to make our family grow? I had one thought the other day. We voted a few years ago that anyone who is interested in the energy industry can be a member. Have you asked your spouse or your significant other if they'd like to join? What about another family member? It's no secret that many families often work in the same industry. Why not ask them? I've never really thought about it, until I was explaining to my husband what I was doing at a couple of the regional meetings. He has spoken at one of West Virgina's meetings, but I never asked him if he'd like to join. How foolish on my part. Now I almost have him convinced to join. All you have to do is ask. The worst that can happen is they say no, but they might say yes. Just ask.

As I write this, I'm in Grande Prairie ready to attend Region VII's meeting. Soon we will have a list of the RD elects. These are some of the leaders for 2018. Nominations are still open for the 2018 officers, so if you have thought about holding an office in the Association, you still have a few days to get your forms submitted.

Thank you for becoming my extended family.

Until next month,

Maggi Franks

#### Christina Forth President Elect

36 Shores Drive Leduc, Alberta Canada, T9E 8N7

(780)887-0450 C

Christinaf4th@gmail.com

#### To: ADDC Board of Directors and Members

Even though we are only beginning the 2017 year, please consider volunteering for an ADDC Committee in 2018. Most of the business of the Association is conducted by members who contribute generously of their time and effort. Serving on a committee is part of the educational experience of Desk and Derrick and will help you to grow and learn in unimaginable ways. I have never regretted being part of committee. For most committees, the time required is minimal, and business is conducted via email.

Please review the attached ADDC Committee list and volunteer form and don't be afraid to add your name to a committee that interests you. It is very important for each Region to have input by being represented on the committees. In addition, it provides a great opportunity to participate outside your club with other members of the Association. If you are really bold – how about volunteering to chair a committee. The experience is beyond rewarding.

Thank you for taking the time to consider this request, and if you have any questions, please don't hesitate to contact me. I'd love to hear from you!

Christina Forth



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REGION VII DIRECTOR Marilyn Carter

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### ASSOCIATION OF DESK AND DERRICK CLUBS 2018 ADDC COMMITTEE VOLUNTEER FORM

Deadline Date: July 1, 2017

Name Company Address			(please select one) Home
City, State, Zip Office Phone		Fax	
Office 800# or e-Mail		Home Phone	
Member of	Club in Regi		vership
	se select one) ADDC Committee Cha ADDC Regional Represonmittees below in which	airman	u will be able to
STANDING COMMITTE	EES		
	ylaws Review ion ership	Public Relations / Tra Rules Tax Exempt Canada Tax Exempt US	
SPECIAL COMMITTEE	- 6		
	Manuals Review	Long Range Planning	
Certific	ation	Publications	2
Contes	t	Registrar	
The De	sk and Derrick Journal	Scrapbook	
Leader	ship Resource	Technology	
EXPERIENCE ADDC			
Club			
PERTINENT BUSINES	S:		
Please ma	ail or email to:	Christina Forth 36 Shores Drive Leduc, Alberta, Canada T9E 8N7	
		christinaf4th@gmail.com	
Rev 02-13			ADDC 16

ADDO

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REGION V DIRECTOR Joan Cartwright Burk Royalty Co. LTD

REGION VI DIRECTOR Wendy Sparks Carl E. Gangoll Exploration Inc.

REGION VII DIRECTOR Marilyn Carter Mark Loch Association Distribution Office Manager (ADO)

Association of Desk and Derrick Clubs P.O. Box 847 Bethany, OK 73008

(405) 543-3464 O

Email: ado@addc.org Website: www.addc.org

Greetings; ADDC Board and Members; Welcome to summer.

I hope this letter finds everyone doing well and looking forward to the exciting summer months ahead and the 2017 ADDC Convention in San Antonio, Texas in September.

ADO has been busy processing convention registrations for those early birds who are planning ahead for a fantastic convention in San Antonio. There are great field trip, seminar, and social opportunities at the 2017 ADDC Convention. Please go onto the ADDC website or contact me at ADO and I will get you set up with a registration packet and answer any questions you may have regarding the upcoming convention. I look forward to seeing everyone in San Antonio in September.

I have just returned from attending the Region IV meeting in Corpus Christi, Texas and the Region I meeting in Niagara Falls, NY. These region meetings were outstanding. I regret that I was unable to make more of the region meetings and am planning to attend more region meetings next year as I would like to experience all of the regions and their exciting plans for the organization and for their members. I know that all of the Region meetings in 2017 were fabulous based upon what I have heard from the members who were able to attend. If you were not able to attend your region meeting and or other region meetings in 2017 I hope that you will strive to attend Region meetings in 2018 as you will be truly rewarded for doing so.

One of the things I have been focusing on since taking the ADO Manager Position has been organizational development. I am working to maintain and increase our membership totals by attending special events etc. that have the potential to grow membership within the organization. Our clubs may help with this also, please encourage those members in your club that may have left the energy industry to maintain their ADDC membership as membership is now open to anyone who is in or interested in the energy or allied industries. If a member appears to be considering leaving the organization please encourage them to remain active by pointing out the benefits of the best energy education and networking organization within the energy industry. If you have any questions regarding this please contact me and I will be happy to discuss it with you or any of your members. Remember ADDC has a vast pool of potential members that would be ready and able to join ADDC so let's GO GET EM!!

Once again I hope everyone has a great beginning to summer and is making plans to attend convention in San Antonio this September.

Stay cool and may God bless you all.

Until next month let's keep our feet on the ground and keep reaching for the stars in ADDC and beyond.

Sincerely;

Mark Loch ADO Manager ADDC

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Good afternoon ADDC Board and Members; Welcome to spring.

I hope this letter finds all of you doing well and enjoying spring 2017. ADO has been extremely busy updating information in the database for 2017 renewals as well as preparing for Region Meetings and 2017 Convention.

All Regional award certificates for both, years of Service and AIMEE Award of merit have been sent to all regions in order to insure that the 2017 Regional Directors are set for their respective regional meetings.

I have been receiving only positive feedback on the region meetings that have been held so far. Everyone who has attended appears to have had a great time and learned a great deal and enjoyed all of the networking events. This is no surprise to me as I know that all of our Region Directors, Board Members, Club Presidents and members are part of the best educational and networking organization within the energy industry.

I hope everyone is looking forward to the Region meetings that are still yet to be held and that you make the most of your time learning, networking and getting caught up with great friends.

The 2017 Convention is only 5 months away, hard to believe that 2017 is moving so fast but it is in fact. I hope everyone is making plans to attend the 2017 ADDC Convention in beautiful San Antonio Texas. I know that Region IV and GAC, Evelyn Green is working hard to assure a fantastic convention and one we will not soon forget. Let's all do our part to make plans to attend and make this the best and most well attended convention that ADDC has held. If ADO may be of assistance with answering any questions regarding Region Meetings or convention please contact me via Email or Phone.

I hope everyone has a great Memorial Day holiday and kicks of summer with a bang.

Until next month let's keep our feet on the ground and keep reaching for the start in ADDC.

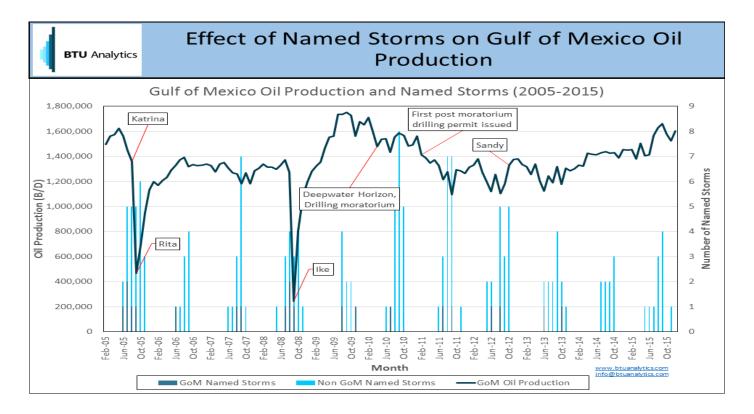
Sincerely;

Mark Loch ADO Manager ADDC

# THE GULF OF MEXICO, HURRICANE SEASON, AND THE OIL MARKET

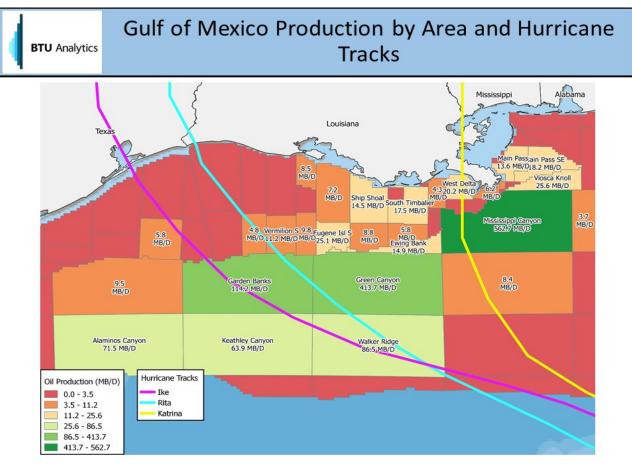
2016 Tropical Storm Colin was the first named storm in the Gulf of Mexico (GOM) since Tropical Storm Karen in 2013. A "major" storm (Category 3 hurricane or higher) hasn't made landfall in the US since Wilma in 2005. Despite a recent lack of major storm landfalls, a named storm will eventually affect the Gulf again. What sort of impact can named storms be expected to have on oil and gas production in the region? And might that impact be enough to help rebalance markets?

Storms can disrupt GOM production in multiple ways: they can delay drilling of new wells, they can force the shut in of producing wells for fear of damage to production facilities, and they can damage or close onshore facilities that normally receive offshore production, leaving offshore volumes with nowhere to go. Understanding the magnitude and duration of any potential disruption to GOM production is of particular interest because the GOM is the only region in the United States which has seen continued oil production growth despite the recent price environment. The region is expected to produce 2.0 MMb/d by 2019 and peak at 2.2 MMb/d in 2022. The below chart shows GOM production between 2005 and 2015 as well as the number of named storms, categorized by whether or not they occurred in the GOM. Major events are also labeled.



On average, a named storm in the GOM resulted in month-on-month production losses of 169 Mb/ d, or between 10%-12% of production. For the majority of storms, production recovered in the following month. However, in the case of storms that caused significant damage along the Gulf Coast – the notables being Katrina and Rita in 2005 and Ike in 2008 – the effect was significantly larger. Between Katrina and Rita, 893 Mb/d or 65% of production was shut in (Note that the individual effects are hard to tease out because they occurred within a few weeks of one another). Ike shut in 1,030 Mb/d or 80% of production. In both cases, production took more than three months to fully recover. If the effects of Katrina, Rita and Ike on oil production are treated as exceptions and excluded from consideration, named storms over the 2005 – 2015 time frame only decrease production in the month they occurred by 75 Mb/d, or between 4%-7% of production.

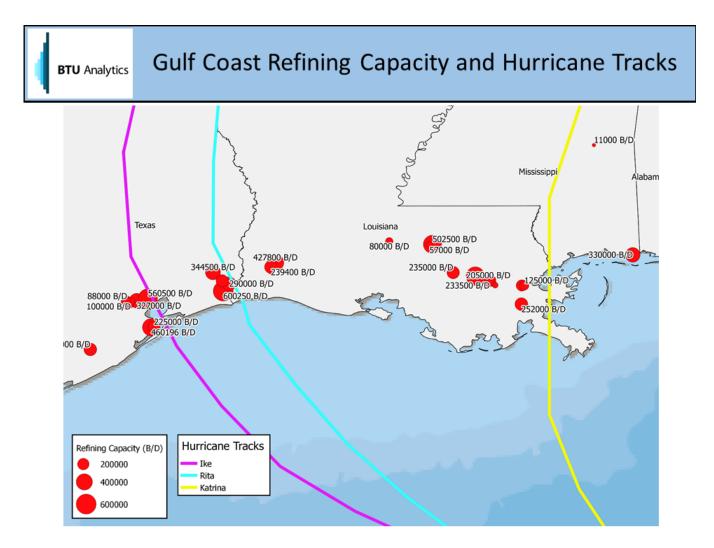
The map below shows the amount of production in each area of the GOM as well as the paths of Katrina, Rita, and Ike. The path of Ike in particular emphasizes that production volume intersected does not directly correlate with the production volume disrupted – this can result from both disruptions of onshore refining as well as from the preemptive shut in of production that lay within the storm's forecast cone.



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The magnitude of the impact that similar storms could have in the future might be better predicted by analyzing the refining capacity that could potentially be impacted at landfall. As seen in the next map, all three storms intersected significant refining capacities.

The 75 Mb/d of shut in production, recovered within a month, shut in by an "average" named storm would hardly make a dent in global production. More significant storms that make landfall around refining capacity (based on an admittedly small sample size) can shut in much larger volumes by closing refineries by disrupting sea-to-shore infrastructure that might otherwise take displaced volumes to storage. However, the significance of shut in GOM production has decreased as onshore shale oil production has boomed: in 2010, the GOM accounted for 29.0% of US production. Today, it accounts for only 18.4%. And as similar disruptions to production this summer have demonstrated, such impermanent problems are only enough to affect prices in the short run.



Source: btuanalytics.com

Author: James Blaney (August 2016)

## How can I control mosquitoes around my home and yard? (www.mosquiocs.com)

Something as small as a bottle cap of water is all it takes for pest nuisance or diseasecarrying mosquitoes to breed in your backyard. Protect your family by doing the following backyard mosquito tips:

- Drain, flush and discard anything that might collect water, such as potted plants, barbeque grills, gutters, boats and toys, such as tire swings and Frisbees.
- Keep lawn mowed to reduce adult mosquito resting sites.
- Fill in any low spots in your yard that might collect water.
- Flush bird baths at least once a week.
- Replace water in pet bowls often.
- Remove vegetation and debris from drainage ditches.
- Keep pools clean and in operating condition.
- Clean ponds and stock with minnows.
- Repair torn window screens.
- Turn boats upside down.
- Use insect repellent and cover up at dawn and dusk when mosquitoes are most active.
- Inspect your yard to ensure that mosquitoes are not using it as a nursery.

Even that smallest item holding water can breed mosquitoes. Check everything in your yard (including flower pot saucers, bird baths, tires, toys, buckets, etc.). If you can't get rid of it, flush it with water at least once a week. If you have a pool, make sure that it is kept clean. Protect yourself and family by reducing exposure to mosquito bites. Keep mosquitoes out of your home: be sure that all doors and windows fit tightly and any torn window screens are repaired. If possible, limit time you spend outdoors at dusk and dawn – the times when mosquitoes are most active. Cover up when outside and consider the use of mosquito repellent, making sure to follow all label directions.



# Joules of wisdom (source: energy.gov)

## 10 Things You Didn't Know About Nicola Tesla

Tesla was born on July 10, 1856, in the Austrian Empire, now Croatia. He was the fourth of five children. After a checkered academic career in Europe, he worked as a telegraph drafter and electrician before moving to the United States to work for Thomas Edison in 1884.

1. If you couldn't imagine life without your TV remote, thank Nikola Tesla for making it possible. Tesla invented, predicted or contributed to development of hundreds of technologies that play big parts in our daily lives -- like the remote control, neon and fluorescent lights, wireless transmission, computers, smartphones, laser beams, x-rays, robotics and, of course, alternating current, the basis of our present-day electrical system.

2. Innovation runs in Tesla's blood. Tesla once wrote: "My mother was an inventor of the first order and would, I believe, have achieved great things had she not been so remote from modern life and its multi fold opportunities. She invented and constructed all kinds of tools and devices and wove the finest designs from thread which was spun by her." He credited both his parents' influence for his success.

3. Tesla lived in New York City for 60 years, and remnants of his time there still remain. The corner of 40th Street and 6th Avenue in downtown Manhattan has been designated "Nikola Tesla Corner" -- with its own street sign -- because of its proximity to Tesla's laboratory at 8 West 40th Street, where he worked in 1900 while building his now-infamous Tesla Tower on Long Island. At nearby Bryant Park Place, a plaque commemorates the Engineer's Club, which awarded Tesla the Edison Medal on May 18, 1917. During his later years, Tesla fed pigeons in nearby Bryant Park.

4. Tesla received his U.S. citizenship in 1891, the same year he invented the Tesla coil. Tesla coils are a type of electrical circuit used to generate low-current, high-voltage electricity. Today, they're widely used in radios, televisions and other electronics, and can be used for wireless transmission. A coil at Tesla's experimental station in Colorado Springs, Colorado, created 30-foot sparks that could be seen from 10 miles away.

5. During the war of the currents, alternating current (AC) -- favored by Tesla -- battled for wide acceptance with direct current (DC), favored by Edison. At stake was the basis for the entire nation's electrical system. Edison launched a campaign against AC, claiming it was dangerous and could kill people; Tesla countered by publicly subjecting himself to 250,000-volt shocks to demonstrate AC's safety. Ultimately, alternating current won the fight.

6. Tesla designed the first hydroelectric power plant in Niagara Falls, New York, harnessing the power of the waterfalls he had marveled at since childhood. Construction took three years and power first flowed to homes in nearby Buffalo on Nov. 16, 1896. A statue of Tesla on Goat Island overlooks the falls today.

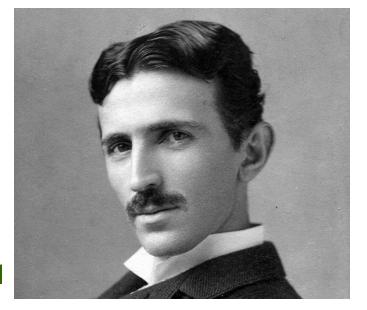
7. "Teslas," a unit used to measure the strength of magnetic fields, are named after Tesla. Another namesake is Tesla Motors, the electric car start-up, in homage to Tesla's role in the invention of the electric motor.

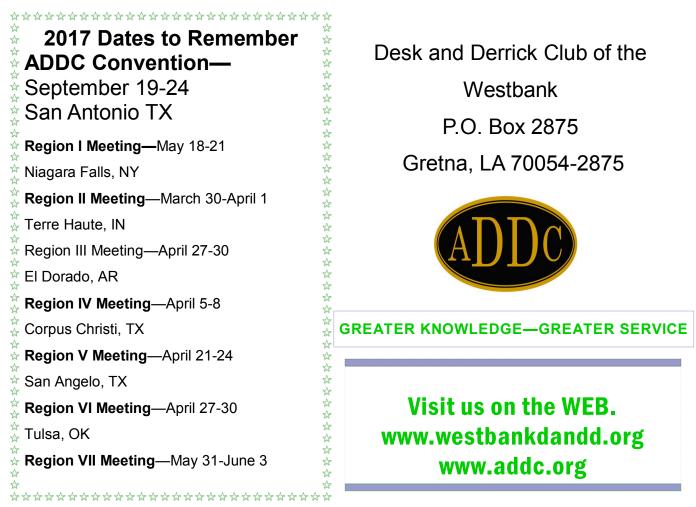
8. In 1901, Tesla received financial backing from J. Pierpont Morgan to build his Wardenclyffe laboratory in Shoreham, Long Island. The facility included the "Tesla Tower," a 185-foot high structure with a 65-foot copper dome transmitter on the top. Tesla's vision was to use the tower to transmit signals and free, unlimited wireless electricity all over the world. Thanks to Tesla's early work, wireless transfer of energy is finally being realized today -- from wireless chargers for electric toothbrushes and smartphones, to wireless electric vehicle charging, a technology being researched at the Energy Department's National Labs.

9. Tesla was not a savvy businessman and suffered financially, despite his achievements. He lost financial backing from Morgan, who felt he couldn't profit from Tesla's wireless electricity concept, and sold his assets to make up for dual foreclosures on Wardenclyffe. The property was later sold to a film processing company. In 1917, the U.S. government demolished Tesla's partially completed tower because it worried German spies would use it to intercept communications during World War I.

10. His long-abandoned Long Island laboratory will soon become a museum. Earlier this year, a non-profit organization raised enough money to purchase the long-abandoned Wardenclyffe. The group plans to restore the building and turn it into a Tesla museum and science education center.

Visit the Westbank Club web page for links to educational videos: <u>http://westbankdandd.org/OilPatch.htm</u>





## **ADDC Mission**

Our mission is to enhance and foster a positive image to the global community by promoting the contribution of the petroleum, energy, and allied industries through education by using all resources available.

*Westbank Oil Patch* is published by the Desk and Derrick Club of the Westbank to provide information to its members regarding the ADDC (at all levels—Association, Region, and Club) and energy and allied industries .

Byline and credited articles represent the views of the authors and editor. Publication neither implies approval of the opinions nor accuracy of facts stated.

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