



DESK AND DERRICK DATELINE

March is Desk and Derrick Awareness Month!

This is the time of the year when prospective new members who are interested in the oil and gas or related industries are invited to our monthly meetings to learn about the benefits and opportunities the association has to offer.

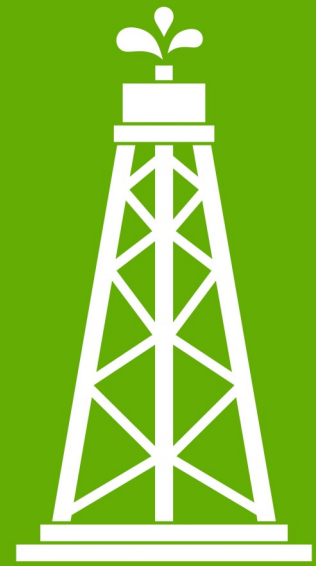
Great Knowledge—Greater Service is the motto of the Association of Desk and Derrick. Our club believes that by increasing our knowledge through membership meetings, field trips and seminars, we will in turn increase the quality of our service to our employers. We are constantly learning in this field and with the knowledge we acquire we are preparing the bright minds of our future. We achieve this each year by holding our Annual Golf Tournament. By giving back to the students of Wichita Falls and surrounding areas, we are able to give 4 scholarships to Midwestern State University, participate in M.O.L.U, Region 9 and Project Back to School. There is no greater joy than seeing a child learning about our industry and then wanting to pursue a career in this field.

Being a member, signing up for a committee, or being on the board can be a very rewarding experience. You will learn more about the club, more about the industry and also gain the confidence and leadership skills that you need to succeed in your employment and also life! Plus, the relationships that you will encounter along the way will become friends for life!

So, I encourage you to spread the word! Inviting others to participate in our organization is rewarding to you, beneficial to our employers and to the industry as a whole. We need to let everyone know about our great club and industry. Let's show everyone just how "awesome" our club is!!



Invite your friends and co-workers to join our great organization!



**March, 2021
Volume 70, Issue 3**

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Club Purpose

The purpose of the club shall be to promote the education and professional development of individuals employed in or affiliated with the petroleum, energy and allied industries and to educate the general public about these industries.

Club Motto

Greater Knowledge—Greater Service

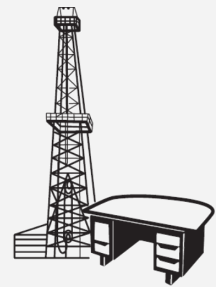
Official Colors

Black and Gold

2021 Board of Directors

President—Nichole Harney
Vice President—Casie Mass
Secretary—Jessica Cain
Treasurer—Lauren Martin

One Year Director—Barbara Franklin
Two Year Director—Jordan Jackson
Immediate Past President—Diana Walker
Parliamentarian— Rena Shaffer



From the Editor:

March is Desk and Derrick Awareness Month. Why not invite a friend or co-worker to our membership meeting? We all know someone that would benefit from our meetings, field trips and seminars. Let's share the knowledge of our great club. Everything the club offers; from our meetings, to field trips, to seminars are all geared to educate and teach you about the industry, its importance and how it operates. Spread the word...Bring a Friend...Share the Journey!

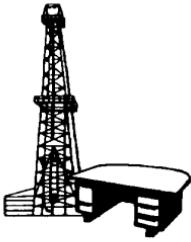
Do you have a secret desire to have an article published in our bulletin? Is there something of interest that you would like to share with the rest of the club? Let us hear from you! If there is ever anything that you would like to see in the bulletin, please let me know. We are always looking for new ideas and your opinions are greatly appreciated!

An Irish Blessing for you:

*May there always be work for your hands to do.
May your purse always hold a coin or two.
May the sun always shine on your windowpane.
May a rainbow be certain to follow each rain.
May the hand of a friend always be near you.
May God fill your heart with gladness to cheer you.*

Sheila McGaughey





Association of
Desk & Derrick
Clubs

**Desk and Derrick
Club of Wichita Falls**

2021 Board

Nichole Harney
President
716-5100

Casie Mass
Vice President
716-5100

Jessica Cain
Secretary
631-1597

Lauren Martin
Treasurer
723-5585

Barbara Franklin
One Year Director
613-3600

Jordan Jackson
Two Year Director
716-5100

Diana Walker
Immediate Past
President
716-5344

Rena Shaffer
Parliamentarian
234-3307

March 2021

Happy St. Patrick's Day - don't forget your green! We are all in the need for some good luck in our lives right now.

I know everyone is ready to see green grass and pretty flowers after what we have been through the past couple of weeks. I hope you weren't affected too badly with the ice storm. Hopefully, Spring will show her pretty face very soon.

Well, COVID-19 is still affecting our world. I was hoping and praying that we were going to be able to put the COVID in our rearview mirror by now and get to enjoy a little more freedom. Our Club is holding strong during this pandemic; we are up to 31 members with 2 new members this year.

You will read in Kay McKinley's letter that the Central Region Meeting scheduled for April 8-10 in Liberal, Kansas will be a Virtual Meeting. The Presidents will have a zoom meeting in the next couple of weeks for a discussion on how to make this all come together. Please keep an eye out regarding information for the Central Region "Virtual" Meeting.

Sheila McGaughey, Education Chairman, reached out to the coordinator for Texas Living History Day. She was informed that it has been cancelled due to the uncertainties of COVID-19.

Our February membership meeting was cancelled due to the weather but Lacey Foster, with Tubing Testers, will still speak at our March Membership meeting.

The next Board Meeting will be April 6, 2021. The Board Meetings are being held by conference calls, to help with the social distancing. Just a reminder that the board meetings are open the membership as well. If anyone would like to sit in on a meeting to see how our board works or if you have anything you would like present to the board, just let me know and we will save a spot for you.

Stay Well and Safe!

Nichole Harney

2021 Committees

Budget & Finance

Chairman: Diana Walker

Board Contact: Diana Walker

Members: Rena Shaffer, Geneva Wood

Bulletin

Chairman: Sheila McGaughey

Board Contact: Diana Walker

Members:

By-Laws

Chairman: Doris Sterling

Board Contact: Barbara Franklin

Members: Shirley Bridwell

Education

Chairman: Sheila McGaughey

Board Contact: Jessica Cain

Members: Rena Shaffer

Field Trip

Chairman: Jordan Burgess

Board Contact: Lauren Martin

Members:

General Arrangements

Chairman: Rena Shaffer

Board Contact: Rena Shaffer

Members: Kacie Turner

Golf Tournament

Chairman: Vickie Young / Casie Mass

Board Contact: Casie Mass

Members: Barbara Franklin, Jordan Burgess, Tracy Flynn

Membership

Chairman: Rena Shaffer

Board Contact: Rena Shaffer

Members: Betty Wilson

Program

Chairman: Casie Mass

Board Contact: Casie Mass

Members: Diana Walker

Scrapbook

Chairman: Sheila McGaughey

Board Contact: Lauren Martin

Members:

Social Media

Chairman: Jordan Jackson

Board Contact: Jordan Jackson

Members: Kacie Turner



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 2021 ADDC President
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 San Antonio, Texas 78217
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Board of Directors

PRESIDENT
Evelyn Green
 GBC Minerals, Ltd

PRESIDENT ELECT
Philana Thompson
 Merrion Oil & Gas Corp

SECRETARY
Connie Bass
 New Tex Trucking

TREASURER
Barbara Pappas
 Cobra Oil & Gas Corp.

IMMEDIATE PAST
 PRESIDENT
Keith Atkins
 Murphy USA Inc.

PARLIAMENTARIAN
Sheryl Minear, RP
 Silver Oil & Gas Inc.

CENTRAL REGION
 DIRECTOR
Kay McKinley

NORTHEAST REGION
 DIRECTOR
Cindy Krebs

SOUTHEAST REGION
 DIRECTOR
Margie Steed

WEST REGION
 DIRECTOR
Heather Woods
 Souder, Miller & Assoc.

March 2021

Happy March! This is Desk and Derrick Awareness Month. A great time to promote your club and the Association. We are all very aware that it has been a hard past year – 2020. Many factors have gone into companies cutting back, the previous support of Desk and Derrick has been streamlined or in some cases companies have had to reduced or completely had to decline support and, in many cases, members have lost their jobs. We have to remain positive that our industry will come back, stronger than ever.

I have heard that some clubs will be having a Membership Drive during March – what a great idea. Invite friends and colleagues to your meeting or possibly get in touch with prior members and ask them to attend your club meeting. You never know who might become a member. Be sure and share the fact that an individual does not have to be employed in the oil and gas, or allied industries to become a member of Desk and Derrick. Anyone who is interested in our industry is welcomed to become a member.

As stated in my letter last month, there are two (2) Regions that unfortunately will not be hold in-person Regional Meetings this year. The West Region and the Southeast Region have elected to have a virtual meeting. Central Region is deliberating whether it will be an in-person meeting or a virtual. Regional Directors for each region will be sending information to their club Presidents regarding the details for each meeting.

The Northeast Region will be hosting an “in-person” Regional Meeting. This meeting will be held May 12-16, 2021 in Lexington, Kentucky. Look for details soon. Any member of Desk and Derrick can attend this meeting, you don’t have to be a member of the Northeast Region! If you haven’t ever been to another Region’s Meeting – take the opportunity this year. It is a great way to visit with friends, attend seminars and field trips and have a good time. The members of the Northeast Region will welcome you with open arms!

The Desk and Derrick Educational Trust is now accepting applications for Scholarships to assist with the cost of tuition and books. You may find the criteria that must be meet for consideration by going to www.theeducationaltrust.org.

March – President’s Letter (continued)

Look for some exciting information very soon from the Certification Committee. Plans are being made to have virtual Certification Courses. Some will be classes that were to have been held at the 2020 Convention, but circumstances occurred that the class could not be held until now. Other possible certification courses will be on subjects that would have been covered at the Regional Meetings in 2021. Stay tuned for this exciting information – a great way to complete Certification Course.

Club Presidents – please be sure that your membership renewals are sent into ADO as soon as possible. Each club that doesn’t have their 2021 dues in prior to the Regional Meeting, will not be in good standing and will not be able to vote on matters before the Meeting.

On a sad note – two (2) clubs have elected to disband. The Red Earth Desk and Derrick Club and the Bay Area Desk and Derrick Club have officially submitted notice of disbandment. Some members of each of these clubs have elected to retain their membership by joining other clubs. Both of these great clubs had difficulty deciding to disband. It is with a heavy heart that the Association will be losing these clubs. We wish nothing but the best for members of these clubs who have not joined other clubs and hope that one day they will rejoin our Association.

A quick reminder that there still several ADDC Committees that need a Chairman for this year – Public Relations and Marketing. Or considering serving as a Regional Representative for an ADDC Committee. A great way to become involved and an opportunity to learn more about the various committees. If you are interested in serving as Regional Representative for a particular committee, please send me an email and we can go over what committees need your help. Or don’t hesitate to call me on my cell – your help is needed!!

As always, if you have any questions please do not hesitate to contact me or any member of the ADDC Board. This Association is yours and mine and we are all in this together. We all need to move forward with every action to accomplish everything that we can, by working side by side.

Hugs to each of you,
Evelyn

“Your smile will give you a positive countenance that will make people feel comfortable around you”
Les Brown



Kay McKinley
 Central Region Director
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 620.629.3878
 maeciesmaemie@gmail.com

Board of Directors

PRESIDENT
Evelyn Green
 GBC Minerals, Ltd

PRESIDENT ELECT
Philana Thompson
 Merrion Oil & Gas Corp

SECRETARY
Connie Bass
 New Tex Trucking

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Margie Steed

**WEST REGION
 DIRECTOR**
Heather Woods
 Souder, Miller & Assoc.

March – the old phrase “in like a lion, out like a lamb is all about weather. Since there are still some brutal days of winter left when March starts, it’s like a lion. By the time March is over, the weather has (ideally) turned in to the calm of spring, aka a lamb. I think all of us in the Central Region experienced the Lion’s furry a couple of weeks ago. I know so many were impacted with the historical “Snowmageddon” of freezing temperatures (-17 F) here on the farm and left some of us with pipeline breaks, no drinking water, power outages, livestock loss, hazardous roads, etc. Hopefully, everyone is recovering, and that will be the worst of this winter and we can look ahead to brighter days in the spring.

Speaking of Spring – lets discuss the Central Region Meeting, scheduled for April 8-10 in Liberal, Kansas. We gathered as a club last night for our monthly meeting specifically to make a decision on the Region Meeting – whether to host it in person or virtual. This is not the decision I was hoping to share with you, but when it comes right down to it, we wouldn’t be able to forgive ourselves if someone traveled to Liberal and caught the COVID-19 virus. There are still 350 active cases in Seward County, and one of our members works in the Liberal hospital and validated there are still people being admitted with COVID-19. Given these facts, and for the extra concern for some of our elderly and vulnerable members, we agreed the Central Region Meeting will be virtual event. We hope everyone is able to understand this difficult decision. While I have been on Zoom meetings for church and our ADDC board meetings, holding a Virtual Region Meeting is going to be new territory for all of us. I will be sending out an invitation to the Central Region Presidents in the next couple of weeks so we can discuss how we can zoom our way to a screen near you!

While this virus is real and has interrupted just about every aspect of our lives - we have all been affected by it, either having been sick ourselves or having had friends and family go through it and even losing loved ones, here is something that I saw on Facebook and it gave me pause to ponder for myself, and I wanted to share this in case there is anyone else like me who needs a reminder that our days on earth are numbered. I share this for the day when we can return to normalcy and be able to hug our Desk and Derrick friends and meet in person and travel and have field trips seminars, and business meetings, laugh and cry together and make memories.

In a couple of years, some of us will look back & admit that we spent an entire year of our life wearing a mask, cooped up in our house & avoiding all the people we love. A year in your life that you’ll never get back.

Every single day is a risk. Car accident, flu, etc. Our days were numbered from the moment we took our first breath. Life isn't a race where we win against the inevitable! That has not changed since the beginning of time!

Yes, my health matters, but you know what else matters?

- *Family.*
- *Friends. (Especially Desk and Derrick Friends – ok, I added that part)*
- *Church.*
- *School.*
- *Sporting events.*
- *Family vacations.*
- *Neighborhood BBQs.*
- *Life.*
- *Fitness.*
- *Hugs.*
- *Visiting the hospitalized or our loved ones in nursing homes*

*One day, you'll hug your grandma, mom, dad, or brother for the last time.
One day, your best friend will cry on your shoulder for the last time.
One day, your child will play their last hockey game.
One day, they'll have their last day of school.
One day, you'll spend your last day laughing with a loved one.
One day, you'll dance your last dance.*

*Don't waste the days you have by living in fear.
Your time here on earth matters.
Live your life while you have the chance.
God is gonna call you home when it's your time.
Virus or no virus.*

So, take precautions for yourself and for those around you, but every little chance you get, live and enjoy a life that matters and give a hug when you can.

Club presidents, please don't give up on me. As soon as I get back from Oklahoma Class B Basketball State Tournament this weekend (Go Tyrone Bobcats – where my brother is the coach and my nephew plays). I will be setting up a virtual meeting for us. Stay tuned and get ready to Zoom Zoom Zoom!

Kay McKinley

February 12, 2021

EDITOR'S: A little late with this week's column, but weather and Dallas/FortWorth traffic get most of the blame.

Alex

Oil prices rise as demand increases and inventories decline

By Alex Mills

The crude oil sector of the U.S. economy was in a downward spiral before Joe Biden was elected President in November, but he quickly let it be known that the oil had a target on its back. His first days in office he issued executive orders attacking the oil industry. Now some believe his orders actually could help firm crude oil prices in the U.S. in the future.

Last year a global pandemic and an oversupply of oil sent prices down and bankruptcies up.

But wait, market conditions began to change. Vaccines for Covid-19 were developed. Economic activity slowly returned as did petroleum usage.

U.S. crude oil inventories declined from historic highs of 540 million barrels on June 19 to 469 million barrels this week.

Prices followed increasing from \$40 per barrel in November to \$58 on the New York Mercantile Exchange on Wednesday.

Bloomberg reported "U.S. oil and gas stocks, by far the worst performers last year, are standing out as the best in 2021 -- a turnaround that might seem a bit surprising given the new balance of power in Washington."

Many investors shunned oil stocks in favor of renewable energy investments. Morningstar said 1.9 billion euros (\$2.3 billion) were invested into European renewable energy investment funds in the July-September period, 11 times the amount for the same months last year. In contrast, European conventional energy funds achieved third-quarter inflows of less than 115 million euros.

While Morningstar does not track U.S. alternative energy funds, several U.S. indexes report high interest levels in such funds. Invesco Solar Exchange Traded Fund has increased 143% and First Solar has registered a 46% gain.

The S&P 500 Energy Index, which includes petroleum companies, declined 37% last year, but has increased 12% this year. International companies based in the U.S. (ExxonMobil, Chevron and ConocoPhillips) all reported losses in 2020, but their stocks have improved this year.

The turnaround happened in spite of Biden issuing executive orders to halt construction of the Keystone XL Pipeline and temporarily discontinue issuing permits for oil and gas operations on federal lands.

Obviously, these two orders have long-term implications for petroleum supplies in the U.S. Keystone would have brought some 800,000 barrels of oil per day from Canada into the U.S. further increasing the oil supplies, which would have a lowering impact on oil prices. By halting the pipeline's construction, Biden has in effect taken 800,000 barrels per day off U.S. markets.

Prohibiting exploration and production of federal lands will reduce oil availability in the U.S. and possibly reduce inventories, too.

Both executive orders will reduce supplies and contribute to firming oil prices. If demand continues upward, inventories could continue to drop putting more pressure upward on price and the possibility of a return of profits for oil companies.

-30-

Alex Mills is the former President of the Texas Alliance of Energy Producers.



February 18, 2021

Historic cold weather strains frozen energy supplies in Texas

By Alex Mills

Old man winter hit Texas hard this week with sub-zero temperatures and two snow and ice storms creating record high demand for electricity while some energy sources were frozen in place.

The storms are two of the coldest on record. Most of the state had temperature below freezing for about two weeks. Some compared it to a storm in 1989 and others said it is the worst since 1899.

High winds, snow and ice blanketed the state from Amarillo to Brownsville leaving behind frozen wind farms, oil wells, natural gas facilities, roads and refineries.

The Electric Reliability Council of Texas (ERCOT) said some 4 million consumers lost power during the height of the storm on Monday and Tuesday (Feb. 15-16). ERCOT issued rolling blackouts, but some customers were without power for days.

ERCOT said “electric demand is exceeding the available supply” and “controlled outages are occurring to protect the electric grid from uncontrolled, cascading outages.”

ERCOT instructed electric transmission owners to shed approximately 14,000 megawatts (MW) of load on Monday after it entered its highest level of emergency operations.

Approximately one-third of generation capacity, about 34,000 MW, was forced off the system because of frozen wind turbines and reduced natural gas supplies. Natural gas generates 42% of electricity in Texas compared to 24% for wind, which surpassed coal in 2020 as second largest source.

Getting more natural gas from the wellhead to consumers is critical. Most natural gas wells are in rural and remote location. Icy and snow-packed roads make it difficult to get to locations to make repairs. The Texas Railroad Commission and industry trade groups have sent notices to producers urging them to get production back on line as soon as possible.

The price of natural gas traded at various locations increased as traders anticipated a decline in supply as demand rose. Natural gas opened at \$3.287 per million Btu on the New York Mercantile Exchange on Thursday, up from \$3.041 on Monday.

February 18, 2021 (Continued)

Crude oil production has felt the pain of old man winter, too.

Oil production in Texas is expected to decline by as much as 500,000 barrels per day, according to preliminary estimates. Oil is stored in tanks at remote locations, transported by trucks to a more central storage area, and shipped by pipeline to a refinery. Trucks have difficulty getting to the tanks because of bad road conditions. If the trucks can't unload the tanks, producers must shut-in the well to prevent overflow. Also, gathering lines generally are laid on top of the ground from the wellhead to storage tanks, which makes them susceptible to freezing in cold weather.

Cold weather creates problems for refineries, too. The largest refinery in the U.S., owned by Motiva Enterprises, announced it is shutting in its 607,000 barrel-per-day refinery in Port Arthur as did Valero (335,000 b/d) and Total (225,000 b/d). ExxonMobil shut-in its refinery in Baytown.

Crude oil closed at \$61 per barrel on the New York Mercantile Exchange on Wednesday, which is an increase of \$1.

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Alex Mills is the former President of the Texas Alliance of Energy Producers.



February 25, 2021

Energy stocks rebound as global economy shows strength

By Alex Mills

Can it be possible that the tide has turned for the oil and gas industry?

Some experts who bet their money on winners and losers believe energy stocks have become the most attractive sector.

Goldman Sachs strategist Alessio Rizzi believes the recent poor financial performance of energy stocks is history, and “adding energy equity exposure is attractive at this juncture, especially considering our constructive commodity view.”

The spark plug in this new engine is the strong global growth with U.S. gross domestic product (GDP) expected to increase by 6.8% this year. Economic growth creates demand for petroleum products, and as demand rises the bank expects oil prices to follow.

Since January oil prices on the futures market have risen from \$47 to \$63 (34%) on the New York Mercantile Exchange on Wednesday. Brent oil traded on the international exchange closing at \$67 Wednesday.

Goldman Sachs predicts \$70 oil in the second quarter of 2021. Bank of America and Morgan Stanley this week raised their projected price to reach \$70 during the second quarter.

Energy is now the best performing asset year to date.

The old saying – buy low, sell high – certainly applies to the oil industry as it comes out of an awful year.

Fourth quarter returns show the pain. International integrated companies like ExxonMobil and Chevron report losses during the fourth quarter and for the entire year.

Publicly-held, exploration-and-production companies reporting losses this week include Devon Energy (\$102 million), Occidental Petroleum (\$1.11 billion), Marathon Oil (\$33 million) and Continental Resources (\$92 million). Pioneer Natural Resources reports net income of \$43 million during the fourth quarter.

The optimism of an improving global economy this year has reversed the negative perception about the economic future of the oil industry. Marathon Oil has been the S&P's best-performing stock since January increasing 71% so far this year. Other companies have shown strength, too. Occidental's stock price is up 58% since Jan. 1, Continental Resources has increased 47% and Pioneer Natural Resources is up 35%.

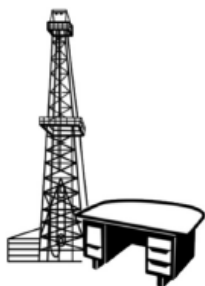
The stocks of ExxonMobil and Chevron also have shown strength with ExxonMobil up 37% and Chevron rising 23%.

SPDR Energy Select Sector has gained 36% during the last three months.

2020 was a horrible year for just about everyone. Dramatic declines in the economy created an over-supply of oil, which caused a decline in oil prices and revenues. Bankruptcies and the reduction in employment continued throughout the year.

The economic pain may not be over, but those remaining are glad to see a return of optimism about the future.

-30- *Alex Mills is the former President of the Texas Alliance of Energy Producers.*



Association of Desk and Derrick Clubs

2021 Membership Form

The Association of Desk and Derrick Clubs (ADDC), an international non-profit organization, is a premier provider of energy education and professional development. ADDC's purpose shall be to promote the education and professional development of individuals employed in or affiliated with the petroleum, energy and allied industries, and to educate the general public about these industries as well as the companies and global communities the members serve.

Last Name: _____ Club: _____ Region: _____
 First Name: _____ MI: _____ Submission Type: Renewal New Member
 Gender: M F
 Company Name: _____ Preferred Mailing Address: Home Office
 Job Title: _____ Secondary Address: _____
 Preferred Address: _____ City: _____ State: _____
 City: _____ State: _____ Country: _____ Zip: _____
 Country: _____ Zip: _____ Home Phone: _____
 Office Phone: _____ Cell Phone: _____
 Primary Email: _____ Secondary Email: _____
 Age: 21-30 31-40 41-50 51-60 61-70 71-80 80+

NOTE: Membership Dues and Donations to the Association of Desk and Derrick Clubs are not tax deductible as CHARITABLE CONTRIBUTIONS but may qualify as BUSINESS DEDUCTIONS on Federal and State Tax Returns. DUES WILL NOT BE USED FOR LOBBYING PURPOSES.

Release Name: For purposes of membership recruiting, I authorize the Association of Desk and Derrick Clubs to release my name as part of a list of ADDC members.

Release Name? Yes No

Corporate Contribution: Amount _____ Local Regional Association

Dues: **\$65.00**
(ADDC+Club+Region)

Send to: Membership Chairman
Rena Shaffer
2525 Kell Blvd., Suite 510
Wichita Falls, TX 76308-1061

Make checks payable to:
Desk and Derrick Club of Wichita Falls

Signed _____

Date: _____

March 4, 2021

Power shortage becomes political hot potato

By Alex Mills

Safe, reliable and affordable energy powers a vibrant economy in Texas and throughout the United States. Underperformance or shortage can create crisis situations for energy providers and consumers.

Two historic cold waves in February created unusually high demand for energy while supplies were freezing. The temperature for most of Texas never got above freezing for eight consecutive days. Snow and ice complicated matters even more. Electricity shortages resulted in rolling blackouts and even total loss of power for some 4 million consumers.

Wood Mackenzie, an energy consulting firm, points out power demand normally peaks around 55 gigawatts (GW) during February in the region of the Energy Reliability Council of Texas (ERCOT) with temperatures averaging lows in the 30s and highs in the 60s.

“However, a rare polar vortex dropped overnight temperatures to 50 F degrees below average in Texas, resulting in a >74 GW load peak forecast for February 15 and 16 during this 1-in-100 year weather event,” Wood Mackenzie stated.

While demand was increasing, supplies were decreasing.

Approximately 14 GW of coal and gas-fired generation was already reported offline for maintenance and ERCOT attempted to regain some of these generators by calling for their return.

Outage totals peaked at 32 GW far surpassing ERCOT’s highest thermal outage level recorded in the last nine years, Wood Mackenzie stated.

“Freezing rain and cold temperatures decimated coal, natural gas, and nuclear power plants alike, with emergency equipment failure, broken sensors, frozen coal piles and more issues slashing ERCOT’s thermal generation capacity from 70 to 45 GW in the span of a few hours,” Wood Mackenzie stated.

The storm froze 22 GW from wind turbines across Texas, which historically can provide as much as 28 GW during peak performance.

“It is important to note renewable power is expected to vary –ERCOT never included more than 2 GW of intermittent generation in its ‘extreme’ resource adequacy scenario for this winter, less than 3% of previous winter record demand peaks,” Wood Mackenzie stated.

March 4, 2021 Continued

The Public Utility Commission of Texas, which oversees ERCOT, issued two studies following a winter event in February 2011. One extreme case depicts “extreme season peak load” at 67.2 GW (based on 2011’s winter peak) paired with “extreme generation outages” at 14 GW. Wood Mackenzie said the power load peaked at 74 GW Monday evening while “outage totals soared to nearly 32 GW.”

ERCOT tried to get power from neighboring sectors but they had icy weather, too.

“The fact that the ‘worst-case’ scenario of these three variables was not considered yet would have involved load shed suggest Texas’s stack has always been skating on thin ice in the face of these rare extreme winter events,” Wood Mackenzie state.

The failure of ERCOT to deliver the electric power when it was desperately needed has become a political hot potato.

Texas Gov. Greg Abbott has made the energy crisis a priority during the current legislative session.

Committees in the Texas House and Senate have held hearings.

The chairwoman of the PUC has resigned as has five members of ERCOT’s board of directors.

Even the U.S. House subcommittee on environment has called a hearing.

The issue has grown from just electric reliability in Texas during the winter to include the broader issues of renewables versus fossil fuel and climate change.

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Alex Mills is the former President of the Texas Alliance of Energy Producers.



FUN FACTS ABOUT OIL

The world uses over 36 billion barrels of oil per year.

Oil is made into many different products like for instance, clothes, fertilizers, plastic bottles, pens and lots of other products.

Oil tankers can be real giants sometimes weighing up to 650,000 tons! That's about the same weight as 1000 jumbo jets.

Oil and gas provides more than 75% of the UK's total primary energy need.

There are enough oil reserves to meet about 53 years of Global production.

The industry provides about 9.8 million U. S. jobs.



Love this Industry!



Taking Life

Bit by Bit



UPCOMING DATES TO REMEMBER

**MEMBERSHIP MEETING
MARCH 17**

**BOARD MEETING
APRIL 6**

Upcoming...

ADDC CONVENTION

2021 New Orleans, LA – Sept 21–25, 2021

2022 Pittsburg, PA – Sept 21–24, 2022

2023 Albuquerque, NM – Sept 19–24, 2023

March Birthdays



Nichole Harney

3/10

Jordan Jackson

3/18





The February Membership Meeting was cancelled due to inclement weather.

I hope you all are staying safe and healthy. Stay safe and I will see you all in March.

Nichole Harney

Prayers for Hope, Healing and Strength

Adalynn Grace Parsons, niece of *Nichole Harney*, had a sleep test on Feb. 24th and it came back with great news! She is off the oxygen now. It was all because of her being 5 weeks early, her lungs weren't fully developed. Tori is back at work.



Lance, son of *Geneva Wood*, who was in the hospital from Jan 3 to Feb 21 for COVID and pneumonia. He is home now, using oxygen and improving.

Prayers for continued strength and healing.

Prayers for everyone that has been affected by COVID 19.

Prayers for everyone affected by the winter blast in February with no electricity, water and busted pipes.

Our hearts go out to all of you!

Let's Pray!

this MONTH in petroleum history

MARCH

March 7, 1902—Oil discovered at Sour Lake, Texas

Adding to giant Texas oilfields, the Sour Lake oilfield was revealed just a few miles from the world famous Spindletop field discovered about one year earlier. The spa town of Sour Lake soon became a boom town where many oil companies, including Texaco, got their start.

Originally settled in 1835 and called Sour Lake Springs because of its “sulphureous spring water” known for healing, the sulfur wells attracted petroleum exploration companies. As the science of petroleum geology evolved, some geologists predicted a Sour lake salt dome formation similar to that predicted by Pattillo Higgins, the Prophet of Spindletop.

Sour Lake’s 1902 discovery well was the second attempt of the Great Western Company. The well, drilled “north of the old hotel building,” penetrated 40 feet of oil sands before reaching a total depth of about 700 feet. The well was the first of many to bring riches to Hardin County, whose oilfield yielded almost nine million barrels of oil within a year. The Texas Company made it’s first major oil find at Sour Lake in 1903.



“The resort town of Sour Lake, 20 miles northwest of Beaumont, was transformed into an oil boom town when a gusher was hit in 1902,” notes the Texas State Library and Archives Commission.

March 16, 1914—“Main Street” Oil Well completed

A well completed in 1914 produced oil from about 1,770 feet beneath Barnsdale, Oklahoma. The popular TV program “Ripley’s Believe It or Not” would proclaim the well the “World’s Only Main Street Oil Well”.

The Osage County town, originally called Bigheart for Osage Chief James Bigheart, was renamed in 1922 for Theodore Barnsdall, owner of the Barnsdall Refining Company, which today is a wax refinery owned by Baker Hughes, a GE Company.

The well site was listed in the National Register of Historic Places in 1997.

(Editor’s note: Well is still active)



An oil well pump in the middle of Main Street in Barnsdall, Osage County, Oklahoma, was drilled in 1914. Photo by Bruce Wells.

March 2, 1922—Osage Nation Oil Lease sells for \$1 Million

Under the broad crown of a giant elm next to the Osage Council House in Pawhuska, Oklahoma, Skelly Oil and Phillips Petroleum Company jointly bid more than one million dollars for just a 160-acre tract of land.

The 1922 auction—Oklahoma’s first million dollar mineral lease—took place in the shade of what became known as the Million Dollar Elm. Prominent independent producers such as Frank Phillips, Harry Sinclair, Bill Skelly, J. Paul Getty and E.W. Marland were frequent bidders for promising leases on the Indian reservation. The Osage later awarded a medal to their friend Colonel Elmer Ellsworth Walters, the Million Dollar Auctioneer.



Colonel Elmer Ellsworth Walters (in striped shirt) was famous as “auctioneer of the Osage Nation.”

March 9, 1959—Barbie is a 36-18-38 Petroleum Doll

Mattel revealed the Barbie Doll at the American Toy Fair in New York City. More than one billion “dolls in the Barbie Family” have been sold since. Eleven inches tall, Barbie owes her existence to petroleum products and the science of polymerization, including several plastic acronyms: ABS, EVA, PBT, and PVC.

Acrylonitrile-Butadiene-Styrene (ABS) is known for strength and flexibility. This thermoplastic polymer is used in Barbie’s torso to provide impact and heat resistance. EVA (Ethylene-Vinyl Acetate), a copolymer made up of ethylene and vinyl acetate, protects Barbie’s smooth surface.

The Mattel doll also includes Polybutylene Terephthalate (PBT), a thermoplastic polymer often used as an electric insulator. Barbie uses a custom PBT with a mineral component to facilitate injection molding; the proportions of her adult figure (36-18-38) remain controversial. Polyvinyl-Chloride (PVC), unlike many synthetic polymers, is not solely based on the feedstock ethylene, which comes from “cracking” natural gas. Barbie’s silky hair—and many of her designer outfits—come from the world’s first synthetic fiber, nylon, invented by DuPont Corporation in 1935.



Petroleum-based polymers are part of Barbie’s DNA.

March 24, 1989 — Exxon Valdez runs Aground

The *Exxon Valdez* supertanker ran aground on Bligh Reef in Prince William Sound, Alaska. The accident, which came after nearly 12 years of routine oil tanker passages through Prince William Sound, resulted in a massive oil spill.

Eight of the supertanker's 11 oil cargo tanks were punctured. An estimated 260,000 barrels of oil spilled, affecting hundreds of miles of coastline. With the captain not present on the bridge, an error in navigation by the third mate had grounded the vessel, possible due to fatigue or excessive workload. Tankers carrying North Slope crude oil had safely passed through Prince William Sound more than 8,700 times.

When the 987-foot-long tanker hit the reef that night, "the system designed to carry two million barrels of North Slope oil to West Coast and Gulf Coast markets daily had worked perhaps too well," explains the Alaska Oil Spill Commission's report. "At least partly because of the success of the Valdez tanker trade, a general complacency had come to permeate the operation and oversight of the entire system."

A lengthy, massive cleanup began for the Exxon Valdez Oil Spill (the infamous vessel was sold for scrap in 2012). As a result of the accident, the Oil Pollution Act of 1990 mandated that all new tankers be built with double hulls, requiring the phasing out single-hull tankers in U.S. water by 2015.



Shown being towed away from Bligh Reef, the Exxon Valdez had been outside shipping lanes when it ran aground in March 1989. Photo courtesy Erik Hill, Anchorage Daily News.

**Desk and Derrick Club of Wichita Falls
Membership Meeting
March 17th, 2021**

The Forum, 2120 Speedway Avenue

Please arrive early so that we may start the meeting shortly after noon.

Presiding:	Nichole Harney Cobra Oil & Gas Corp.
Invocation:	Diana Walker Stephens Engineering
Introduction of Speaker:	Casie Mass Cobra Oil & Gas Corp.
Program:	Lacey Foster, Operations Supervisor Tubing Testers Inc.

“The Sure Test”

Reservations should be emailed to Rena Shaffer
Email rena@eagleog.com
or call 940-234-3307

**Reservations Deadline - 4:00pm Thursday March 11th, 2021
Cost \$17.50**




Everyone will need to wear a face mask entering the building until they are seated at their table. Thank You.

RESERVATIONS MUST BE MADE

If you make a reservation and do not attend, you are still responsible for payment.



2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
		Board Meeting				
7	8	9	10	11	12	13
			Nichole Harney	DEADLINE FOR MEMBERSHIP MEETING		
	15	16	17	18	19	20
			Membership Meeting	Jordan Jackson		hello spring!
21	22	23	24	25	26	27
28	29	30	31			
						

Spring brings new growth, weed out the bad & make room for something *beautiful.*



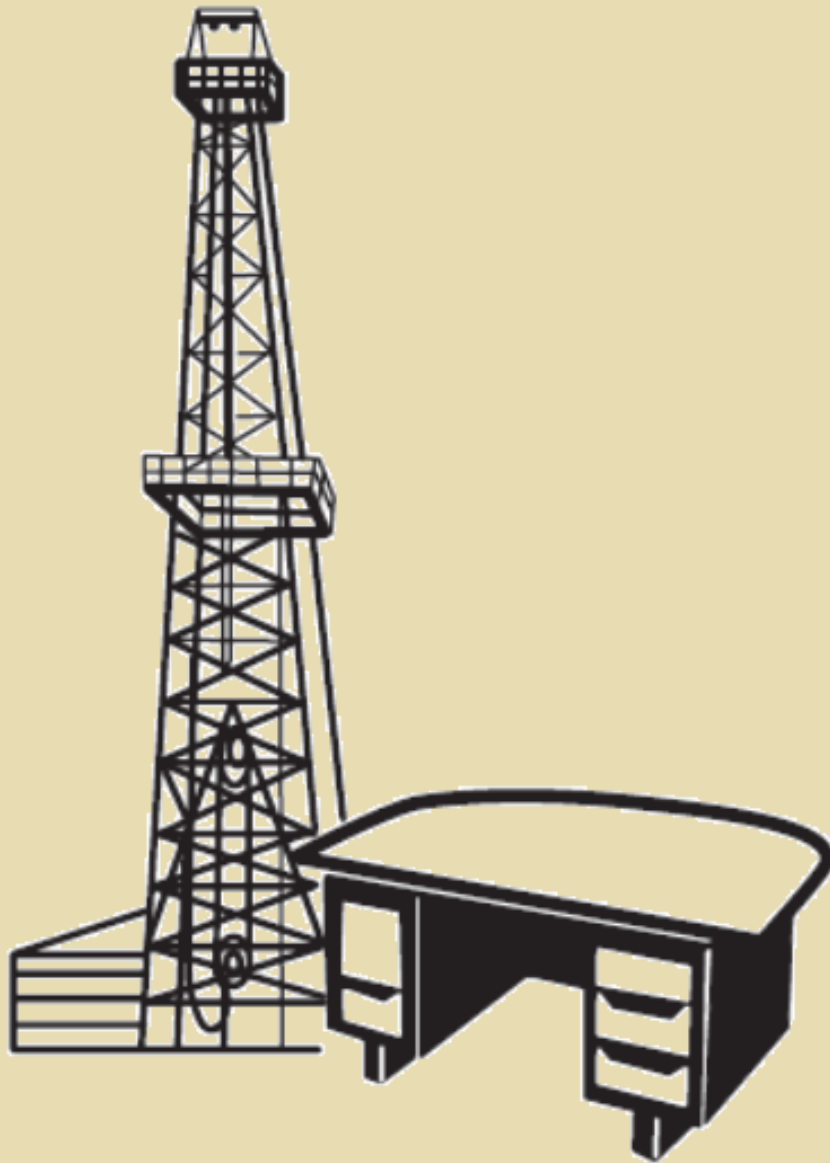
2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						3
 Easter 4	5	6 Board Meeting	7	8	9	10
11	12	13	14	15 DEADLINE FOR MEMBERSHIP MEETING	16	17 Barbara Pappas
18	19	20 Jordan Burgess- Moss	21 Membership Meeting	22 Sheila McGaughey 	23	24
25	26	27	28	29	30	



April Showers Bring May Flowers....

Front Cover - Oil Rig Green —ID 110070219 Ylivdesign—Dreamstime.com
Front Cover and Page 2, 17—St. Patrick's Kitten—ID 141283454 Lorri Kajenna—Dreamstime.com
Page 10— Barrels of Oil—prices rising—ID 209679774 Evgenii Mitroshin—Dreamstime.com
Page 12—Working oil pump at night—Photo 79711777—Polina Petrenko
Page 16—Green pump handle—Illustration 79673399—Kittipong Jirasukhanont—Dreamstime.com
Page 18—Snowmen—Internet search
Page 19 & 21 —Week in History—www.aoghs.org
Page 23 —Hello March—tomotoweb.blogspot.com
Page 24—Hello April—Internet search



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DESK AND DERRICK
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