

# DESK AND DERRICK DATE-LINE

The Monthly Newsletter for the  
Desk And Derrick Club of Wichita Falls, Texas

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APRIL 2023—VOLUME 73—ISSUE 4

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## HAPPY EASTER

### INSIDE THIS ISSUE

▶ BOARD OF DIRECTORS

▶ STANDING COMMITTEES

▶ PRESIDENT'S LETTER

▶ CENTRAL REGION DIRECTOR'S LETTER

▶ ADDC PRESIDENT'S LETTER

▶ MEMBERSHIP APPLICATION

▶ STUDENT MEMBERSHIP APPLICATION

▶ CENTRAL REGION MEETING

▶ GOLF TOURNAMENT

▶ MARCH PROGRAM RECAP

▶ ARDMORE FIELD TRIP

▶ CLUB NEWS

▶ APRIL PROGRAM

▶ IN THE NEWS WITH ALEX MILLS

▶ MARCH & APRIL CALENDAR OF EVENTS

Did you know that there are many Easter products powered by oil and natural gas?

[https://www.nmoga.org/easter is powered by oil and natural gas](https://www.nmoga.org/easter-is-powered-by-oil-and-natural-gas)

### Plastic Easter eggs:

Whether your Easter eggs have money or candy, they are powered by oil and natural gas!

### Easter Baskets:

From the bucket to the Easter grass, many Easter baskets are created using oil and natural gas derivatives.

### Easter Decorations

Many Easter decorations, such as toy eggs or fuzzy bunny ears are made using petroleum.

I HOPE EVERYONE HAS A SAFE AND SPIRITUAL EASTER.

“Going into the tomb, they saw a young man in a white robe seated on the right side; and they were startled. But he said to them, ‘Don’t be alarmed! You are looking for Jesus of Nazareth, who was crucified. He has been raised. He isn’t here. Look, here’s the place where they laid him Go, tell his disciples, especially Peter, that he is going ahead of you into Galilee. You will see him there, just as he told you.” Mark 16:5-7



# CLUB PURPOSE & MOTO

## OFFICIAL COLORS

BLACK & GOLD

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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



## EDITOR INFORMATION

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**Monthly Board Meetings will be the first Tuesday of each month in the office of Stephens Engineering at Noon. All members are invited to attend.**

**Stephens Engineering  
811 Sixth St., Ste 300  
Wichita Falls, TX 76310**

**NICHOLE HARNEY  
COBRA OIL & GAS CORPORATION  
PO BOX 8206  
WICHITA FALLS, TX 76307  
PHONE: (940) 716-5100  
Nichole@cobraogc.com**

Contact Nichole if you would like to submit items, articles, or pictures in the Desk And Derrick Date-Line

## **Desk And Derrick Club of Wichita Falls**

# **2023 Board of Directors**

**President**

**Sheila McGaughey  
Stephens Engineering**

**Vice President**

**Rena Shaffer  
Eagle Oil & Gas**

**Secretary**

**Diana Walker  
Stephens Engineering**

**Treasurer**

**Lauren Martin  
Gunn Oil Company**

**One-Year Director**

**Vickie Young  
Cobra Oil & Gas**

**Two-Year Director**

**Shirley Bridwell  
Bridwell Reporting &  
Consulting**

**Immediate Past President**

**Nichole Harney  
Cobra Oil & Gas**

**Parliamentarian**

**Doris Sterling  
General Operating**



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# 2023 COMMITTEES

## BUDGET & FINANCE

Diana Walker—Board Contact

Diana Walker—Chairman

## BULLETIN

Nichole Harney—Board Contact

Nichole Harney—Chairman

Jordan Jackson, Barbara Pappas

## BYLAWS

Vickie Young—Board Contact

Tracy Flynn—Chairman

## EDUCATION

Sheila McGaughey—Board Contact

Sheila McGaughey—Chairman

## FIELD TRIP

Lauren Martin—Board Contact

Jordan Moss—Chairman

Rena Shaffer

## GENERAL ARRANGMENTS

Shirley Bridwell— Board Contact

Jordan Jackson—Chairman

Jennifer Rodriquez

## GOLF TOURNAMENT

Vickie Young—Board Contact

Tracy Flynn/Vickie Young—Co-Chairman

Nelva White, Jordan Moss, Casie Mass,

Sheila McGaughey

## MEMBERSHIP

Diana Walker—Board Contact

Barbara Franklin—Chairman

Diana Walker, Nelva White

## PROGRAM

Rena Shaffer—Board Contact

Rena Shaffer—Chairman

Jordan Moss

## OCTOBER BANQUET

(Special Committee)

Nichole Harney—Board Contact

Nichole Harney—Chairman

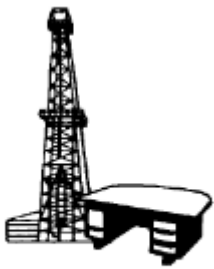
Barbara Pappas, Jordan Jackson, Rena Shaffer

## SOCIAL MEDIA

Shirley Bridwell—Board Contact

Jordan Jackson—Chairman





Association of  
Desk & Derrick  
Clubs

**Desk and Derrick Club  
of Wichita Falls**

**2023 Board of  
Directors**

**Sheila McGaughey**  
*President*  
940-716-5340

**Rena Shaffer**  
*Vice President*  
940-234-3307

**Diana Walker**  
*Secretary*  
940-716-5344

**Lauren Martin**  
*Treasurer*  
940-723-5585

**Vickie Young**  
*1 Year Director*  
940-716-5100

**Shirley Bridwell**  
*2 Year Director*  
940-781-4532

**Nichole Harney**  
*Immediate Past  
President*  
940-716-5100

**Doris Sterling**  
*Parliamentarian*  
940-767-4801

**April 2023**

Spring is finally here and it was *perfect* weather for our field trip on March 25th to Ardmore, OK. Thank you **Cecil Duke** and **Rena Shaffer** for organizing such a fun and educational trip. Cecil did a awesome job of researching everything beforehand and was an excellent tour guide. Our field trip group consisted of **Cecil Duke, Tina Duke** (Cecil's sweet wife), **Nichole Harney, Barbara Pappas, Rena Shaffer, Doris Sterling** and **myself**. Our first stop was the Greater Southwest Historical Museum. We were very fortunate that Cecil was able to procure Rear Admiral Wesley V. Hull to be our tour guide. Mr. Hull is the director of the museum and knows about every artifact inside, but he is also a very decorated serviceman and had plenty of fascinating stories to entertain us. Mr. Hull also showed us a Model 66 Wichita Falls Spudder, a large wooden oil rig used in 1918 in the Healdton Field (Oklahoma) for drilling oil and water wells, but manufactured right here in Wichita Falls. Awesome! Our next stop was to the Oil Patch Warrior on Main Street, it was a follow-up to our February membership meeting of the Roughnecks of Sherwood Forest given by Cecil Duke. Amazing! We had lunch at Two Frogs Grill, it was really good except that one of our members took the name literally and ordered frog legs, ugh! It was a fun-filled day chocked-full of interesting information, good food, great friendships and plenty of laughter. You have got to check out Rena's write-up in this bulletin! Thank you Cecil and Rena for an awesome day!



**Museum Field Trip—Top to Bottom: Cecil Duke, Doris Sterling, Barbara Pappas, Nichole Harney, Rena Shaffer and Sheila McGaughey**

Our next membership meeting is scheduled for April 19th and will be presented by Roland Barrick with ChampionX—Norris Rod. His program is “Artificial Lift System(s) Rod Pumping”. This is a follow-up to our March program on pump jacks. If you have anyone in your office that could benefit from this program, please invite them.

Our reservations are in and the hotel rooms are booked for the Central Region meeting, which will be held in El Dorado, KS on April 28 and 29th. **Rena Shaffer** and **myself** will attend as Delegate and Alternate, informed but uninstructed. We will be joined by **Shirley Bridwell, Nichole Harney** and **Greg Schmidt, Diana Lewis, and Barbara Pappas**. It will be a fast trip, but we are looking forward to it. We will be supporting Barbara in her role as ADDC President! Way to go Barbara, your club is very proud of your accomplishments!

*(Continued)*

It is almost “Tee” time! **Vickie Young** and **Tracy Flynn**, co-chairs of the golf tournament and the rest of their committee, are in the process of planning our annual golf tournament which is scheduled for Friday, May 19th at Weeks Park Golf course. If you know of anyone that would like to be a sponsor or have a team, please see the registration form in this bulletin. This is our biggest fundraiser and a chance to share the “greens” with the men and women in our industry and club recognition. This is always a fun day, and we receive so many great compliments from the players on how great our tournament runs. *Way to go team!*

Here is your April fact from Alex Epstein’s book Fossil Future: “Climate emergency” and “climate crisis” are no longer treated as predictions about the future. They are treated as descriptions of the present—even though in the present we are safer from climate than any human population has ever been.

Happy Easter everyone! Blessings to all and I hope you feel some extra love and blessings this year! And remember...Easter is meant to be a symbol of hope, renewal and new life.

*Peace, Love and Happiness!*

*Sheila McGaughey*





**Val Williams**  
 3647 Marywood Dr  
 Spring, TX 77388  
 713-962-7184  
[valwilliams1950@gmail.com](mailto:valwilliams1950@gmail.com)

**Board of Directors**

April 2023

**PRESIDENT**  
**Barbara Pappas**  
 Cobra Oil & Gas Corp.

Greetings Central Region Members,

Spring has Sprung, Fall has Fell, Winter is Cold and Summer is Hot as ...

**PRESIDENT ELECT**  
**Wendy Sparks**  
 Carl E Gungoll Exploration

Get your jeans and boots on for a fun time at the end of this month. The Central Region meeting is just around the corner on April 28-29, and I am hoping all of you have sent your registrations to Abby Johnson. If you haven't made your hotel reservations, call 1-877-859-5095 and give them the rate code DRM. The Butler County Club members have been hard at work preparing for a fun time for all of us. Remember to say Thank You to each one of the members of the Butler County Club. Besides working overtime at the refinery since the Turn Around started they have put together a great field trip and a fun time at the ice breaker. We will be doing a little therapy of drinking wine and painting and drinking sodas and painting and drinking beer and painting. I can't wait to see the paintings...

**SECRETARY**  
**Jamie Sabata**  
 Gardner Cryogenics

All clubs should have received correspondence from Wendy Sparks, 2023 Central Region Nominating Chairman, seeking a 2023 Central Region Director. I am pleased to say, we have a candidate. However the nominations are not closed so you still have time to throw your hat in the ring. It is SO important to have another leader represent our great region. Please consider taking that next step to learn and grow within our organization plus gain strength, courage and confidence!

**TREASURER**  
**Kathy Martin**  
 Acadian Ambulance Service,  
 Inc.

Reminders for the Region Meeting:

**IMMEDIATE PAST  
 PRESIDENT**  
**Philana Thompson**  
 Merrion Oil & Gas Corp.

- 1) Credential Forms – Due ASAP - send your club's credential forms to Shirley Bridwell at bsbridwell1509@gmail.com This includes any and all clubs. If you will not be represented at the annual region meeting you still need to fill out the bottom portion of the form and sign and date the form.
- 2) The Presidents meeting will be between the field trip and the ice breaker at the Kansas Oil Museum.
- 3) Presidents will be giving their reports at the meeting.
- 4) If you are a Committee Chairman or Region Rep please plan on giving the your committee report.
- 5) The only piece of business we need to vote on is the 2024 Region Director.
- 6) We will have an open forum for everyone to ask questions or make comments. This will be after the morning business session.
- 7) The Members and Awards Luncheon will be shortly after the Business Session is over.
- 8) If you take pictures at the meeting please post them to the Central Region Facebook page so all of us will be able to see them.

**PARLIAMENTARIAN**  
**Judi Adams**

**CENTRAL REGION  
 DIRECTOR**  
**Val Williams**

**NORTHEAST REGION  
 DIRECTOR**  
**Kelli Hiltbrand**  
 Sutton Pump & Supply

**SOUTHEAST REGION  
 DIRECTOR**  
**Susan Miller**

**WEST REGION DIRECTOR**  
**Esther Greyeyes**  
 Merrion Oil & Gas Corp.

## Board of Directors

PRESIDENT

**Barbara Pappas**  
Cobra Oil & Gas Corp.

PRESIDENT ELECT

**Wendy Sparks**  
Carl E Gungoll Exploration

SECRETARY

**Jamie Sabata**  
Gardner Cryogenics

TREASURER

**Kathy Martin**  
Acadian Ambulance  
Service, Inc.

IMMEDIATE PAST

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**Philana Thompson**  
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Sutton Pump & Supply

SOUTHEAST REGION

DIRECTOR  
**Susan Miller**

WEST REGION

DIRECTOR  
**Esther Greyeyes**  
Merrion Oil & Gas Corp.

Reminders to Club Presidents:

- 1) The TAXE1 Form must be in by May 15 to Melodee Guerrero or US Tax Committee Region Rep. The form is on the ADDC website. Melodee's email is [melodee@echoproduction.com](mailto:melodee@echoproduction.com).
- 2) Remember you are not to publish the Treasurer's quarterly report on your club's website or in your newsletters.
- 3) ADDC Convention will be held in Albuquerque, New Mexico at the Sandia Resort and Casino on September 19-24, 2023. Watch for more information as it becomes available. Please make plans to attend.

I think I have covered everything necessary except to tell you I will see you soon in El Dorado, Kansas at the 6<sup>th</sup> Annual Central Region Meeting. Be sure to wear your jeans and boots (no spurs please). If I don't see you at the Region Meeting have a great month.

Val Williams  
2023 Central Region Director



**Board of Directors**

PRESIDENT

**Barbara Pappas**

Cobra Oil & Gas Corp.

PRESIDENT ELECT

**Wendy Sparks**

Carl E Gungoll Exploration

SECRETARY

**Jamie Sabata**

Gardner Cryogenics

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PRESIDENT

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DIRECTOR

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Sutton Pump & Supply,  
Inc.

SOUTHEAST REGION

DIRECTOR

**Susan Miller**

WEST REGION

DIRECTOR

**Esther Greyeyes**

Merrion Oil & Gas Corp.

**Barbara Pappas**

2023 ADDC President

5244 Sunnybrook Lane

Wichita Falls, TX 76310

940-781-9888 (cell) or 940-716-5103 (work)

[bpappas1@ymail.com](mailto:bpappas1@ymail.com) or

[Barbara@cobraogc.com](mailto:Barbara@cobraogc.com)

April 2023

To: ADDC Membership

The Spring season has arrived (although I know some are still receiving snow)! I hope everyone was able to celebrate and educate your community concerning Desk and Derrick Awareness Month. We have lost a lot of individuals in our industry due to the downturn in 2020. I am seeing growth in our industry again and for that I am thankful. Please remember 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. You do not know if you do not ask! “Retain and Regrowth” is the goal for our organization.

Regional meetings will start this month and the host clubs have been busy preparing for your arrival. If you have not turned in your registration form, it is not too late! All registration information can be found on the ADDC website. I have the opportunity to attend three of the four regions this year and I am excited to be a part of educational opportunities region meetings are able to provide to all of us. If you have not attended a region meeting outside of your own region, you are missing out! Your Regional Directors have worked tirelessly for your region and have done an outstanding job of representing each of you! Please take a moment and thank your Regional Director for the time and skills they have put into this position.

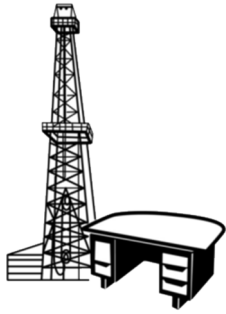
Club Presidents – as in my last month’s letter, please be sure that your membership renewals are sent into ADO as soon as possible. Each club that does not have their 2023 dues in prior to the Regional Meeting, will not be in good standing and will not be able to vote on matters before the Meeting.

Committees are preparing their committee reports for region meetings and can be found on the ADDC website under the Region link and choose Region Meeting Reports. ADDC committees have been busy working towards goals for this year and you will be seeing the fruits of their labor soon.

**“What you do has far greater impact than what you say.” — Stephen Covey, author, businessman and speaker**

**Greater Knowledge ~ Greater Service**

*Barbara Pappas*



# Association of Desk and Derrick Clubs

## 2023 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

Member Type:  Professional  Student

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+Region+Club)**

**Send Payment and form to:  
Diana Walker  
%Stephens Engineering  
P.O. Box 2249  
Wichita Falls, TX 76307-2249**

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

Signed \_\_\_\_\_

Date: \_\_\_\_\_

Association Distribution Office  
5014 FM 1500 | Paris, TX 75460  
Email: [ado@addc.org](mailto:ado@addc.org) | Phone: 405-543-3464





# Central Region Director's Invitation

**Val Williams**

Central Region Director

valwilliams1950@gmail.com

## **CALLING ALL CENTRAL REGION MEMBERS AND GUESTS**

On behalf of the Desk and Derrick Club of Butler County, I would like to invite you to attend the 2023 Region Meeting in El Dorado, Kansas on April 28<sup>th</sup>-29<sup>th</sup>.

This is the 6<sup>th</sup> Annual Central Region meeting of the Association of Desk and Derrick Clubs.

The Butler County Club has been working hard to bring you the best of Butler County, Kansas. We will tour the Kansas Oil Museum and the PK Safety and Fab shop on Friday, April 28<sup>th</sup>.

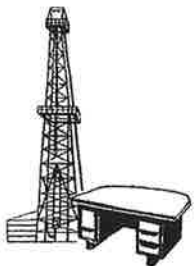
Friday night we will do "Paint and Sip" after the dinner. Saturday morning we will have the business meeting then the Members Luncheon and adjourn after the gavel is passed to the new RD Elect for 2024.

Be sure and Thank the Butler County members for putting on this region meeting. They may be a small club, but they are packed with dynamite.

Jeans and slacks are the fashion for the weekend. Tennis shoes, boots and loafers are the footwear.

**THANK YOU BUTLER COUNTY CLUB MEMBERS!  
YOU ROCK!**

Val Williams  
2023 Central Region Director



**ASSOCIATION OF  
DESK AND DERRICK  
CLUBS**





Photo courtesy of Wendy Sparks

February 28, 2023

Dear Central Region Members:

The Desk and Derrick Club of Butler County is excited to host the 2023 Central Region meeting and I am excited to be the General Arrangements Chairman. The official hotel will be the Holiday Inn Express located at 3100 W El Dorado Avenue. We are changing up the schedule this year to condense the time away from your families and busy schedule. Registration will begin at noon on Friday at the museum with a sandwich bar for lunch.

The field trip offered is a guided tour of the Kansas Oil Museum and then off to PK Safety for a tour of the Fabrication Shop. We will be carpooling to the fab shop 5 minutes across town. Please wear closed toed shoes for walking. Cost of the field trip is covered in the low low cost of registration.

Put on your creative caps, because Friday night you will be part of creating a masterpiece held at the Kansas Oil Museum. Get ready to expand your horizon and pick up a paint brush and a glass of wine to enjoy this experience with friends.

Saturday morning business meeting, Open Forum and our Awards Luncheon will be held in the Kansas Oil Museum. Immediately following the luncheon will be group photos and good byes for safe travels home. Attire for both days is casual, jeans are acceptable according to Val!

Please join us April 28-29th, for a jam packed 26 hours in El Dorado!

Sincerely,

Abby Johnson  
General Arrangement Chairman  
Cell # 620-229-4962  
Work # 316-321-8281



## **Schedule of Events**

Friday April 28<sup>th</sup>

8:00am-12:00pm Travel to El Dorado, Kansas

12:00pm-1:00pm Registration & Lunch (Oil Museum Education Center)

1:00pm-2:00pm Guided Tour of Kansas Oil Museum

2:30pm-4:00pm PK Safety Fab Shop

4:00pm Check into Hotel

5:00pm-5:45pm Delegate/Alternate Meeting (Oil Museum)

6:00pm-7:00pm Dinner & Happy Hour (Oil Museum)

7:00pm-9:00pm Paint & Sip (Oil Museum)

Saturday April 29<sup>th</sup>

6:00am-7:30am Hotel Complementary Breakfast

7:45am Registration (Oil Museum)

8:00am-12:00pm Business Meeting/Open Forum (Oil Museum)

12:00pm Aimee Awards Luncheon (Oil Museum)

\*immediately followed by group photos

2:30pm-Departure

## **Friday Lunch**

We will be enjoying a sandwich buffet from our local favorite Dilly Deli at the Kansas Oil Museum. Check-in registration will occur at the entrance of the education center. Atmosphere will be relaxed and time to socialize and catch-up with old friends and make new ones.

## **Friday Night- Paint & Sip**

Create a masterpiece, you can really do it!! Dawn is a local artist that holds art classes to teach others how fun and easy art can actually be, you will be amazed at the artist inside you!! Beverages and art supplies will be provided.

## **Saturday**

Our Saturday will be packed with meetings, open forum, recognitions, and awards. We will try to take very few breaks and get you back on the road to home at a reasonable time, or stick around and socialize with dinner on your own. Dress attire will be casual all day!!





Holiday Inn Express Hotel

3100 W El Dorado Ave

El Dorado, KS 67042

Phone 1-877-859-5095

Local Number: 1-316-322-7275

April 28<sup>th</sup>-29<sup>th</sup> 2023

Rates are for two person occupancy.

Double Queen \$94 per night

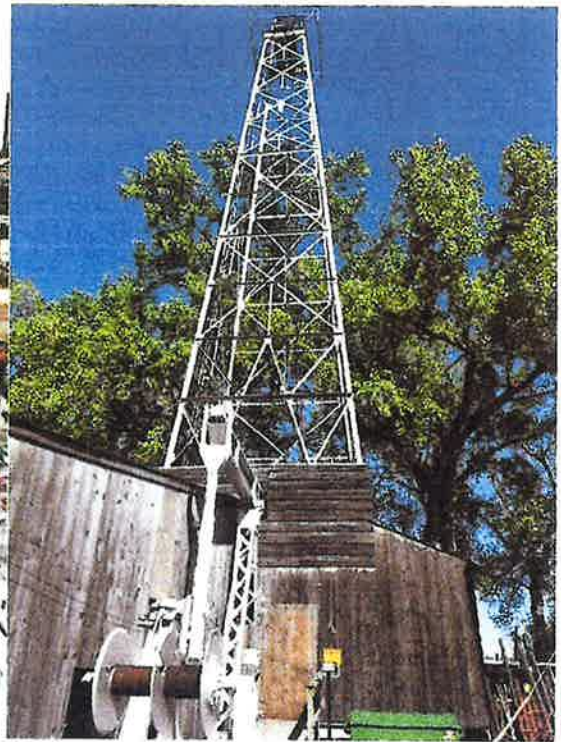
**RATE CODE- DRM**

**Complimentary Breakfast**

**Reservations must be made by 04/01/2023 to receive the Desk & Derrick Rates**

# FIELD TRIP

## KANSAS OIL MUSEUM



Visitors enjoy the working scale models of an oil refinery and rotary rigs. Our indoor gallery also features *The Story of Oil* in Butler County and many other displays, including fossils, geology specimens, and the impact of oil on Kansas. Our trip will include a guide for the tour with interesting facts.





## PAINT & SIP – FRIDAY NIGHT SOCIAL



### **Please join us for an evening of wine and painting!!**

Dawn Ashley Phillips would like to invite you to an evening full of laughter and learning. You will be able to create a masterpiece, you can really do it, let her teach you how!! Dawn is a local artist that holds art classes to teach others how fun and easy art can actually be, you will be amazed at the artist inside you!!

Beverages and art supplies will be provided.

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## ENERGY EDUCATION CENTER

COMING FALL 2022

We have a BIG project in the works. The Kansas Oil Museum is working on bringing a NEW Energy Education Center to the Museum grounds. There is a lot of behind-the-scenes work happening!

The Energy Education Center will be an indoor event center equipped with exhibit showcases, tables, seating, a stage, technology for presentations, a kitchen with a service window, and a 14ft access door for special equipment. This building will allow for interactive STEM activities that look to the future while honoring the Museum's mission to preserve the history of the oil industry.

The addition of the Energy Education Center will free up space in the Large Exhibit Hall to expand displays and add exhibit features from the Museum's extensive historic collections. The combination of these new features is estimated to bring 15,000 additional visitors per year to the Museum and El Dorado!



All of the Region Meeting events for the weekend will be held at this brand-new state of the art facility. We are very privileged to be one of the very first ones to hold an event at this location and proud of those at the Museum to see their dream become a reality for the community.

# PK Companies

PK Companies was established in 1997 and is family owned by three brothers. PK Companies consists of PK Safety, PK Industrial, and PK Technology. PK works in and/or shipped to 50 states and 5 countries providing Industrial Specialty Services to the oil, gas, petrochemical, heavy industrial & manufacturing industries.

PK provides a “Higher Level of Protection” through the pioneering of new techniques, revolutionary innovation and industry leading methodologies. PK has evolved through specialty services by meeting and exceeding the high demand for quality contractors in the industry and is the reason for consistent growth over the past 20 years.

**Join us in a carpool and tour this facility from 2:30pm- 4:00pm**

**CLOSED TOED SHOES WILL BE REQUIRED.**



# CLUB SALES

DO YOU WANT TO MAKE SOME EXTRA MONEY  
FOR YOUR CLUB AT THE 2023 REGION MEETING?

IF YOUR CLUB HAS ITEMS TO  
SELL - WE CAN PROVIDE THE SPACE YOU NEED  
AT THE MUSEUM.

JUST LET US KNOW YOUR NEEDS

FILL IN BELOW AND MAIL WITH YOUR REGISTRATION.

.....  
Who to contact: \_\_\_\_\_

CLUB \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Zip \_\_\_\_\_

Phone \_\_\_\_\_

How much space is needed? \_\_\_\_\_

Return form to:

Stacy Adams  
Stacy.Adams@HFSinclair.com  
HF Sinclair El Dorado  
P. O. Box 1121  
El Dorado, KS. 67042





**2023 CENTRAL REGION MEETING  
April 28-29 2023  
El Dorado, Kansas**



Photo courtesy of Wendy Sparks

**GUEST REGISTRATION**

Please fill out a separate registration for each guest.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Cell: \_\_\_\_\_

E-mail: \_\_\_\_\_

Guest of: \_\_\_\_\_

Special Dietary Requirements/Food Allergies?

Explain \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

No refunds will be made until after Regional Meeting, if funds are available. Request for refund must be made in writing.

Registration form and emergency release (please send one release form for each person attending any function) must be accompanied with payment.

**Friday, April 28 – Field Trips**

*Field Trip includes Lunch*

Fab Shop & Museum **\$20.00**      \$ \_\_\_\_\_

**Friday April 28**

Paint & Sip      **\$40.00**      \$ \_\_\_\_\_

**Saturday, April 29**

Appreciation Lunch    **\$35.00**      \$ \_\_\_\_\_

**Total Amount Due**      \$ \_\_\_\_\_

**Make checks payable to:  
2023 Central Region Meeting**

**Mail to:      Abby Johnson  
                 HF Sinclair El Dorado  
                 P. O. Box 1121  
                 El Dorado, KS 67042**

**Questions:**

Abby Johnson  
General Arrangements Chairman  
HF Sinclair  
P.O. Box 1121  
El Dorado, KS 67042  
316-321-8281  
620-229-4962  
[abby.johnson@hfsinclair.com](mailto:abby.johnson@hfsinclair.com)

**EMERGENCY INFORMATION AND RELEASE FORM**

**THIS FORM IS TO BE COMPLETED BY EACH PERSON PARTICIPATING IN THE 2023 CENTRAL REGION MEETING ACTIVITIES**

This INFORMATION will be regarded as confidential

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

Office Telephone: \_\_\_\_\_ Home Telephone: \_\_\_\_\_

**IN CASE OF EMERGENCY, PLEASE NOTIFY:**

Name: \_\_\_\_\_ Relationship: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

\_\_\_\_\_

**HOSPITALIZATION INSURANCE COMPANY (OPTIONAL):**

Insurance Company: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

\_\_\_\_\_ Policy Number: \_\_\_\_\_

**I understand that my participation in the field trips or special events is at my own risk and responsibility. The Desk and Derrick Club of Butler County or the Association of Desk and Derrick Clubs assume no liability.**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Club Name: \_\_\_\_\_

**SIGNED RELEASE FORM MUST BE RECEIVED BEFORE DEPARTURE ON ANY FIELD TRIP OR SPECIAL EVENT.**

**PLEASE RETURN SIGNED RELEASE FORM ALONG WITH YOUR REGISTRATION FORM.**

## DESK AND DERRICK CLUB OF WICHITA FALLS

The Desk and Derrick Club of Wichita Falls, Texas is elated to host its Annual Spring Classic Golf Tournament, on Friday, **May 19<sup>th</sup>**!

Desk and Derrick is part of an international non-profit organization who is a premier provider of energy education and professional development with a purpose 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.

We continue to provide scholarships annually to four Midwestern State University students majoring in the energy industry. We also donate to Project Back to School, a nonprofit organization that provides free school supply kits, backpacks and uniform shirts for economically disadvantaged children.

We are asking for your support, either through providing sponsorship for our tournament or joining us on the course. Players are provided both breakfast and lunch and each golfer receives a door prize! Enclosed are the Golf Tournament Entry form and the Sponsorship form. We accept checks, cash, and credit/debit cards (with 3.5% fee).

Thank you for your support and we look forward to seeing you tee off on May 19th!

Sincerely,

Vickie and Tracy  
Co-Chairmen  
Desk and Derrick Club Golf Tournament Committee

Enc.

Questions: 940-716-5100      Vickie Young      or      Tracy Flynn  
[vickie@cobraoeg.com](mailto:vickie@cobraoeg.com)      [tracy@cobraogc.com](mailto:tracy@cobraogc.com)



Follow **DESK AND DERRICK CLUB OF WICHITA FALLS** on Facebook

# DESK AND DERRICK CLUB OF WICHITA FALLS

## Annual Spring Classic Golf Tournament

Friday, May 19<sup>th</sup>, 2023

*The Champions Golf Course at Weeks Park*

*4400 Lake Park Drive, Wichita Falls, Texas*

**9:00 am Shotgun Start**

┌ **Breakfast and Lunch provided. Each player gets a door prize.** ┘

### **SPONSORSHIP FORM**

#### ◇ **\$1,000 Platinum Sponsor**

- ▶ Advertised on all media
- ▶ Tee Box signage

#### ◇ **\$500 Gold Sponsor**

- ▶ Advertised on all media
- ▶ Tee Box signage

#### ◇ **\$250 Silver Sponsor**

- ▶ Advertised on all media
- ▶ Tee Box signage

#### ◇ **\$150 Tee Box Sponsor**

- ▶ Advertised on all media
- ▶ Tee Box signage

#### ◇ **\$\_\_\_\_\_ Donation**

- ▶ Advertised on all media

Name on Sign/Program: \_\_\_\_\_

Company: \_\_\_\_\_ Tel #: \_\_\_\_\_

Street: \_\_\_\_\_ Email: \_\_\_\_\_

City/Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Make check payable to: **DESK AND DERRICK CLUB OF WICHITA FALLS**  
**c/o Cobra Oil & Gas**  
**PO Box 8206**  
**Wichita Falls, TX 76307-8206**

Vickie Young or Tracy Flynn at 940/716-5100 Email: [vickie@cobraogc.com](mailto:vickie@cobraogc.com) or [tracy@cobraogc.com](mailto:tracy@cobraogc.com)

**Debit or Credit cards payments will incur a 3.5% fee**

**DESK AND DERRICK CLUB OF WICHITA FALLS**  
**Annual Spring Classic Golf Tournament**

**FRIDAY, MAY 19, 2023 – The Champions Golf Course at Weeks Park**

4400 Lake Park Drive, Wichita Falls, TX ([www.weeksparkgolf.com](http://www.weeksparkgolf.com))

*“North Texas Scramble” – each foursome playing the best ball. One “A” player per foursome.*

**ENTRY FEES:** **\$85.00\*** per person-green fees, cart, meals, door prizes and mulligans  
 (Limit 2 mulligans per person)  
**Red Tee - \$25.00 per Team (Limit 1 per team)**

**TIMES:** **8:00 AM – Registration.** Breakfast, instructions, carts, score cards  
**9:00 AM – Tee Off – Shotgun Start**

**FOOD:** **Lunch and Beverages** – provided on course

**WINNINGS:** **After tournament** - Top three teams, Longest Drive, Closest to the Pin

Mail Entry form along with all four entry fees by **May 11, 2023** to:

**DESK AND DERRICK CLUB OF WICHITA FALLS**

c/o Cobra Oil & Gas  
 PO Box 8206  
 Wichita Falls, TX 76307-8206

Contact Information: Call Vickie Young at (940) 716-5100 or email [vickie@cobraogc.com](mailto:vickie@cobraogc.com)  
 Call Tracy Flynn at (940) 716-5100 or email [tracy@cobraogc.com](mailto:tracy@cobraogc.com)

**DESK AND DERRICK GOLF TOURNAMENT ENTRY FORM**

**TEAM NAME:** \_\_\_\_\_

<u>PLAYER NAME</u>	<u>Entry Fee</u>	<u>Cell Phone #</u>
1. _____	\$85.00*	_____
2. _____	\$85.00*	_____
3. _____	\$85.00*	_____
4. _____	\$85.00*	_____

**RED TEE - \$25.00 (One/Team)** \$ \_\_\_\_\_

**TOTAL PAID** \$ \_\_\_\_\_

\*Cash or Check  
 Debit or Credit card + 3.5% fee





# Rod Pump Basics

ANDREW ADAY — Speaker \* LUFKIN INDUSTRIES

March, 2023

Submitted by: Sheila McGaughey



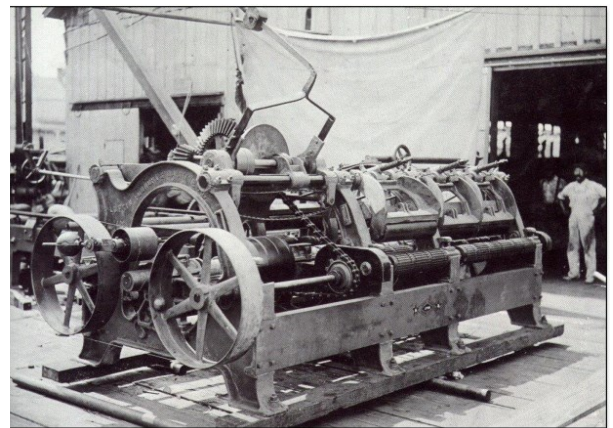
Driving across the wide open plains of Texas, as you look over the horizon in any given direction, you will see the nodding up and down of pump jacks, pulling oil up out of the ground with an almost hypnotic motion. Pumping units or pump jacks, also known as thirsty birds, nodding donkeys and horse heads on top of many other names, have been in use for over 100 years. The bobbing counterweights have become icons of the oilfield. But they are more than just oilfield equipment, they're an American symbol of life in the oil patch.

We see them everywhere, but have you ever thought about how they work? We learned all about the ups and downs of the pump jack from Mr. Andrew Aday with Lufkin Industries during our March membership meeting. First, let me give you a little bit about our speaker. Mr. Aday is a member of the sales team at Lufkin Industries. He's been employed there since 2014 and covers the Mid-Con region. He and his wife, Elaine, have been married for 10 years and reside in Temple, Texas. They have two boys, Michah 4 years old and Peter 3 1/2 years old and a new baby girl, Lucy who is 3 months old.

The Lufkin Foundry and Machine Company was founded in 1902 in Lufkin, Texas. It's primary operation was to repair sawmill machinery. The company soon began manufacturing sawmill equipment and repairing locomotives. As the lumber industry declined in East Texas, the company expanded into the manufacture of oil drilling and refinery equipment. In the 1930's the company established an iron foundry and began manufacturing truck trailers and gears for industrial equipment. During World War II, the company specialized in manufacturing gears for use in military vehicles. After the war, sales of oil equipment slowed, but sales of trailers and industrial gears did better. In 1970, the company's name was changed to Lufkin Industries, and three divisions were established: Gear Manufacture/Repair (later called Power Transmission), Trailers, and Oilfield. Today, Lufkin's main focus is in the oil and gas equipment industry, providing services to customers around the world. Lufkin produces fully automated rod lifts and other forms of artificial lifts that are designed to extract oil and natural gas from hard to reach oil reservoirs. Lufkin is credited with being the company that pioneered the crank balance pumping unit, patent date 1926. Mr. Aday stated that the company was so proud of this date that for years it was stamped on the beam of each unit.



EARLY LUFKIN PRODUCTS





Mr. Aday started his presentation showing us the different types of pumping units. He said the various units all depend on the operators needs and the area in which it will be placed.

### TYPES OF PUMPING UNITS



Conventional



Mark II



Reverse Mark



Low Profile



Beam Balanced



Air Balanced

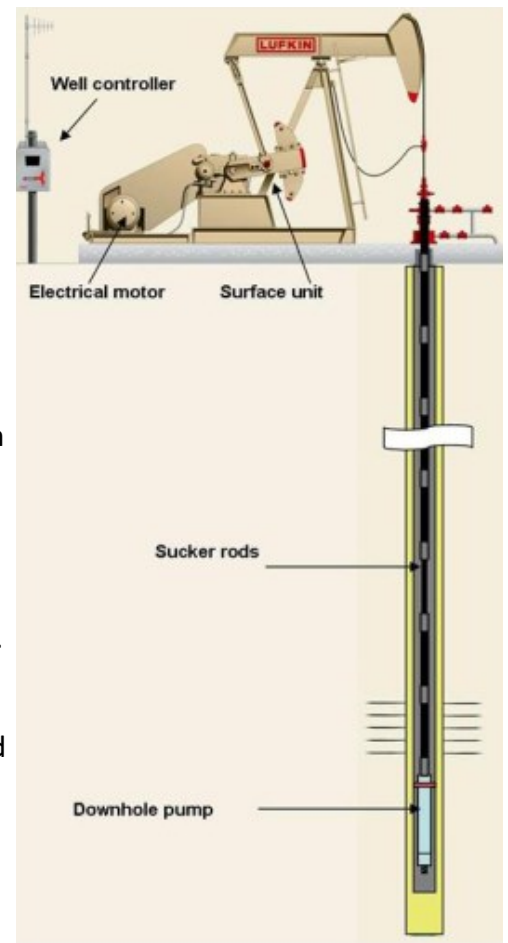
The two most seen pumping units in this area are the Conventional and Mark II pumping units. He said that there were a few Beam Balanced units in the Burkburnett area. He also told us how the West Texas and Kansas farmers have rotating split sprinklers that the pumping units need to stay under. They

developed a way to pump the well while the sprinkler goes around it, meaning that no one, the farmer nor the operator, has to shut down during farming season. *Ingenious!*

### ROD LIFT BASICS

The four main components of a rod lift system: pumping unit, prime mover, sucker rods, and the pump.

- ⇒ Pumping Unit—comes in a variety of sizes depending on how much oil you will be moving and the depth of your reserves. The deeper and thicker the hydrocarbons, the more power needed to extract it. “They can be small enough to fit in the bed of a pickup truck, and as large as a small apartment building.” said Mr. Aday. The bobbing horsehead, assisted by counterweights and an electric motor raises and lowers a sucker rod that extends thousands of feet into the earth where it operates a downhole pump, bringing oil, gas and water to the surface.
- ⇒ Prime mover—which is your power source. Some are powered by electricity, while others in more remote locations run off natural gas.
- ⇒ Sucker rods— A sucker rod is a steel rod, typically between 25 to 30 feet in length and threaded at both ends, used to join the surface and downhole components together.
- ⇒ Pump—located at the base of the well bore and is used to help bring the oil to the surface. Once it’s reached the surface, any water and gas are separated from the crude oil and then stored in tanks.



## HOW DOES IT WORK?

So, how does a pumping unit work? An electric or gas-driven engine rotates a counterweight attached to an arm that moves a pivoting beam up and down. A cable at the opposite end pulls a rod assembly up, and drops it down again. A hollow chamber with a simple valve opens and fills each time the rod descends, then closes and lifts it up to the surface. Once at the surface, any water and natural gas obtained are separated from the oil, then pumped into holding tanks until it can be moved to the refinery.

### Questions & Answers:

**Barbara Pappas:** As the oil reservoir changes, is it necessary to rebalance the weights?

**Andrew Aday:** Yes. As the conditions change, your weights will need to be rebalanced for optimal efficiency. If you are not balanced, you are spending a lot of money on electricity or burning a lot of gas, basically just wasting money. I recommend checking the counterbalance at least once a year.

**Shirley Bridwell:** If a pumping unit is unbalanced, wouldn't you see wear on the tubing or holes in the tubing? Also, more pump repairs too?

**Andrew Aday:** Definitely. A yearly maintenance check should be done to reduce the need for a workover rig.

**Barbara Pappas:** Is Lufkin Industries still headquartered in Lufkin, Texas?

**Andrew Aday:** There is still a small group of engineers that work in Lufkin, but the main company is headquartered in Missouri City, Texas.

**Barbara Pappas:** When was the first pumping unit made?

**Andrew Aday:** It depends on who you ask. There are some people in the rod lift business that believe the Romans actually invented rod lift for water wells. It consisted of a rudimentary pump with leather, rocks and pieces of wood stuck together to pick up and set back down. But rod lift systems as we know began in around 1919. They did not use a gear box, it was more of a rod jerker system.

**Rena Shaffer:** What is the most common pumpjacks?

**Andrew Aday:** I will say the top three is the Conventional, Mark II and Reverse Mark. As I was driving through Bridgeport today, there is an oil field oddity there that you need to see. It is called the Big O pumping unit and it has 16 different bearings and when it is running it looks like a monkey balancing on a bowling ball.

In closing his presentation, Mr. Aday gave us a few questions that he would ask any operator considering a rod lift system: How much fluid?; From how deep?; How deviated is the well?; Existing system or new install?; and Prime mover, gas or electric?, all these factors need to be taken into consideration to find the proper rod lift system. Remember, a pumpjack can extend the life of a well by many years, allowing operators to reach oil that would otherwise remain untapped; and pumpjacks have very low operational costs and maintenance.

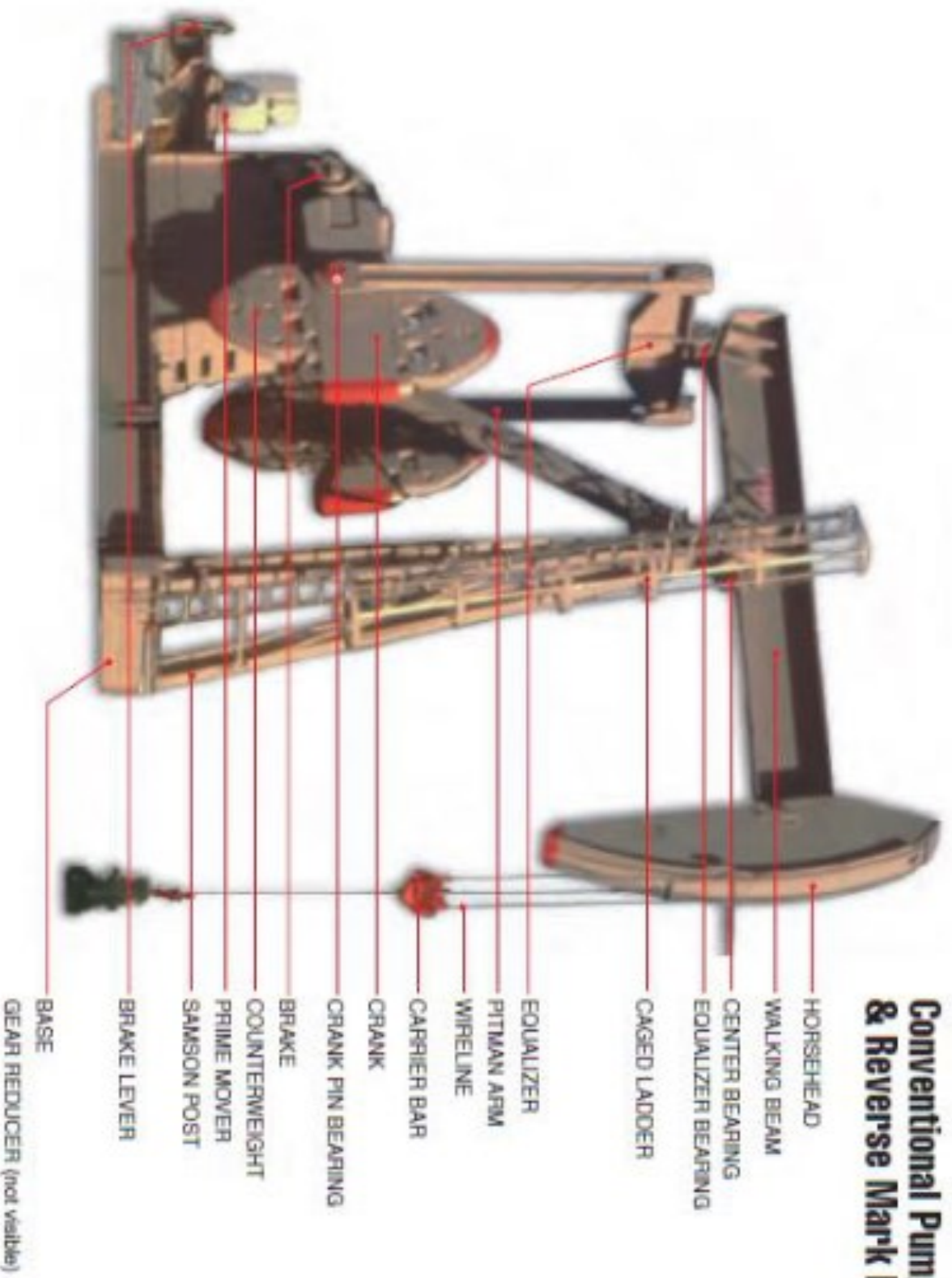
Let's face it...we love our industry, and as long as we are addicted to oil, we'll need pumpjacks! Thank you Mr. Aday and Lufkin Industries for a new appreciation for this iconic piece of history!

EARLY LUFKIN EQUIPMENT





## Conventional Pumping Unit & Reverse Mark Nomenclature



**ANDREW ADAY – REGIONAL  
SALES – LUFKIN INDUSTRIES  
“ROD PUMPS BASICS”**



**SHEILA MCGAUGHEY – ANDREW ADAY**  
DORIS STERLING, BARBARA PAPPS, RENA SHAFFER,  
SHIRLEY BRIDWELL



**VICKIE YOUNG – TRACY FLYNN**



**ASHLEY PIERCE – JORDAN JACKSON**



**NELVA WHITE – DIANA WALKER – DEBBIE HICKS**

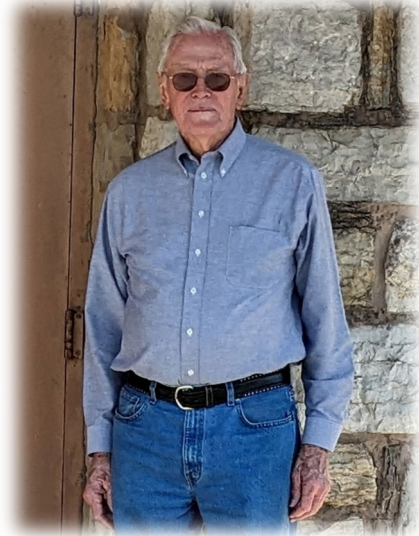
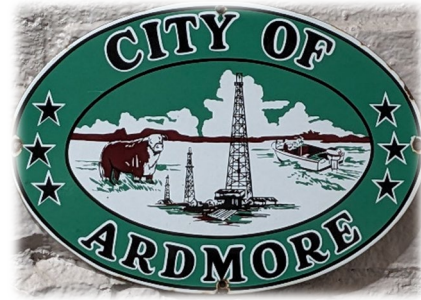




# Bits, Rigs & Blasts!

By Rena Shaffer

Cecil Duke did such an outstanding job presenting our February 2023 membership program that we asked him to schedule a field trip for us to see the Oil Patch statue dedicated to the Roughnecks of Sherwood Forest, and he did just that. Saturday, March 25, seven of us (Cecil Duke and his wife Tina, Nichole Harney, Sheila McGaughey, Barbara Pappas, Rena Shaffer, and Doris Sterling) headed to Ardmore, OK.



Cecil contacted the Greater Southwest Historical Museum and happened to speak to the Director, Mr. Wesley Hull. He is a retired Rear Admiral from the National Oceanic and Atmospheric Administration and volunteered to be our personal tour guide. He is very knowledgeable and passionate about this museum and its history. When we arrived, we were greeted by the Curator and a special sign welcoming our Desk and Derrick club.

The Greater Southwest Historical Museum  
welcomes:  
*The Desk and Derrick Club of Wichita Falls*  
Thank you for visiting!



The museum was built in 1935 by the Works Progress Administration (WPA) on land donated by Mr. and Mrs. Edward A. Walker. It is made of limestone and Mr. Hull told us that the building sometimes leaks and bits of rock crumble to the floor so they bottle it up and sell it in the gift shop. Nichole even purchased a small bottle of rocks while she was there. The museum originally housed the local National Guard Armory. He said it has also been used as

a roller rink and gymnastics facility. The Armory donated the property to the Greater Southwest Historical Museum in 1989.





The Transportation and Industry wing houses railroad, cotton and oil industry displays. This section includes early carriages, saddles, and a working model of oil field equipment. Drilling bits, gas pumps, and antique lease signs are displayed on the wall along with a photo of Frank Porter, who partnered with Lloyd Noble to gather a team of American oil drillers, derrickmen, roustabouts and motormen and secretly drill wells in England to assist them as they fought for survival in 1943



during World War II. They were known as the Roughnecks of Sherwood Forest. They drilled 100 new wells in the Sherwood Forest and brought production from 300 barrels per day to over 3000 bpd. A bronze



statue of an “oil patch warrior” dressed in overalls, a hard hat, and holding a large Stillson wrench, is located in the Sherwood Forest and a replica is also at the Ardmore Memorial Park to honor these men.

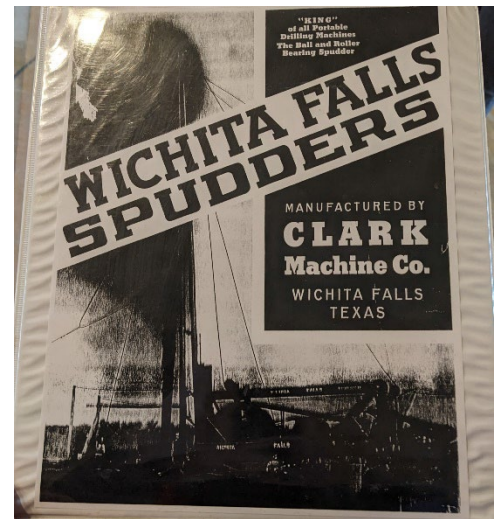


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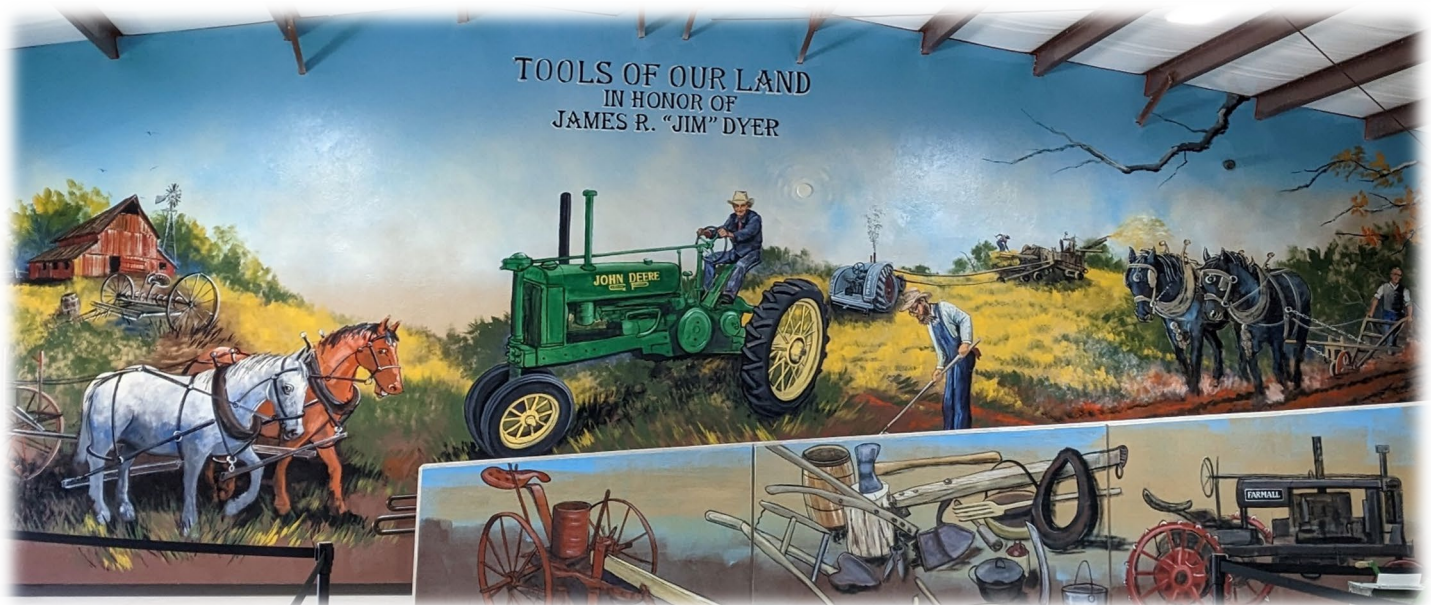


Outside the museum is a Wichita Falls Spudder Rig. Wichita Falls manufactured the spudder rig in the late 1920's! We also had a Spudders baseball team and we still have Spudder Park. This huge oil rig was widely used in the Ardmore area oil fields from 1920-40's. It is a portable drilling rig for shallow wells and uses no derrick. The rig has four wooden legs, two huge iron wheels with cables, and a tall wooden derrick. The power equipment included a steam boiler or a gas engine, a long walking beam to lift and drop the bit, and wheels with cables. The large bits were used to pound a hole into the earth to search for oil. As drilling progressed, the loose soil from pounding the earth was brought to the surface with a bailer and cleared from the hole. The bits were heated and reshaped to continue drilling. This type of rig was very labor intensive and was later replaced with the more familiar rotary type drill. The rig was moved to the museum grounds and dedicated to the Oil Producers of Oklahoma by Total Petroleum, Inc. and Total Pipeline Corp in 1990.



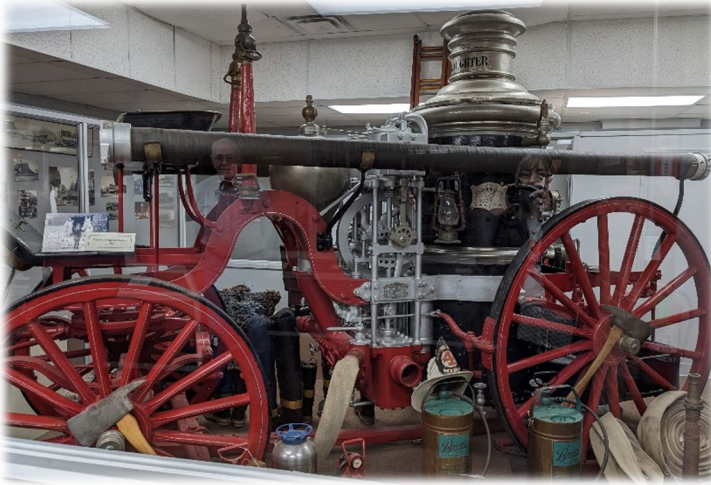


We also saw a rifle range in the basement of the museum and commented how loud it must have been when they fired a gun. The south wing displays early home furnishings of the area, elaborately furnished doll houses, a blacksmith exhibit, clothing, and an actual home that was lovingly taken apart and rebuilt in the museum. “Tools of our Land” exhibit displayed tools used by early farmers and ranchers with an incredible mural. There was an additional building with even more farm tools. It is amazing and impressive how smart and innovative our forefathers were.





The “From the Ashes” exhibit contained Ardmore’s first fire engine and photos of the Great Fire of 1915. This casinghead gas explosion was the deadliest and most destructive of any up to that time. A railroad car carrying casinghead gasoline arrived in Ardmore and was left until it could be taken to a nearby refinery. The next day the temperature rose and an Ardmore Refining Company representative removed the dome from the top of the car filling the air with gas and vapors. An explosion, triggered by an unidentified source, destroyed most of the downtown area. 450 people were injured and 43 people died. It is not known if a wrench caused a spark or maybe someone lit a cigarette. The fumes could not be seen or smelled. After this disaster, new rules were put into effect regulating statewide shipment of casinghead gasoline. Oil companies improved the extraction and transportation methods for natural gasoline. The heat from this explosion melted nails stored in wooden kegs.



Texas sent medical personnel to help care for the victims injured in the fire and rebuild Ardmore, and that “Mercy Train” is also at the Depot Park in town that we visited.





The west wing features the Military Memorial and is dedicated to the military history from the American Revolution to the Gulf Wars and honors our veterans. It displays uniforms of the seven uniformed services of the United States. It even had Mr. Hull's uniform on display. This area was very patriotic and made us feel very thankful for our service personnel.





After all of these adventures, we ate to our hearts content at the Two Frogs Grill before heading home. There was so much to see and do and learn on this trip. There is no way that I can convey all that we saw and absolutely no way that I can recall everything we learned. Thank you to Cecil Duke for planning this trip, Wesley Hull for his knowledge and personal tour of the museum, and our members for participating in this field trip!



Front Row: Tina Duke, Rena Shaffer; Back Row: Doris Sterling, Barbara Pappas, Nichole Harney, Cecil Duke, Wesley Hull, Sheila McGaughey

**Desk and Derrick Club of Wichita Falls**  
**April 19, 2023**

Membership Meeting  
The Forum, 2120 Speedway Avenue

- Presiding:** **Sheila McGaughey**  
Stephens Engineering
- Invocation:** **Doris Sterling**  
General Operating Co.
- Introduction of Speaker:** **Shirley Bridwell**  
Bridwell Reporting & Consulting
- Program:** **Roland Barrick**  
MidCon Regional Sales Rep  
ChampionX – Norris Rods

**“Artificial Lift System Rod Pumping”**

Reservations should be emailed to Diana Walker, [dwalker@sjoc.net](mailto:dwalker@sjoc.net)  
or call/text cell phone 940-636-0971, or call office 940-716-5344

**Reservations Deadline 4:00pm Thursday, April 14**

**MEAL COST \$19.00**

**\*\*\*RESERVATIONS MUST BE MADE\*\*\***

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

**(If paying with cash, please bring exact change)**

# CLUB NEWS

## CLUB SPONSORSHIP

SHIRLEY BRIDWELL WAS THE LUCKY MEMBER THAT WILL BE JOINING THE LADIES AS THEY TRAVEL TO EL DORADO, KANSAS. CONGRATULATIONS SHIRLEY!!!!

## CENTRAL REGION

DON'T FORGET TO SEND IN YOUR RESERVATIONS, AND BOOK YOUR HOTEL ROOM. YOU DON'T WANT TO MISS THIS EDUCATIONAL EXPERIENCE. THERE ARE A FEW MEMBERS THAT WILL BE CAR-POOLING. SO LET US KNOW IF YOU WOULD LIKE TO JOIN US. THE MORE THE MERRIER.

## GOLF TOURNAMENT

DON'T FORGET TO INVITE YOUR FAMILY, FRIENDS AND COWORKERS TO SIGN UP. THIS IS A FUN SOCIAL EVENT FOR A ROUND OF 18 HOLES. FREE BREAKFAST AND LUNCH! HOPE TO SEE YOU ALL OUT THERE ON THE GREENS!



## NOTE FROM EDITOR

PLEASE LET MYSELF KNOW IF THERE IS ANYTHING YOU WOULD LIKE TO SEE IN THE BULLETINS THIS YEAR. THE MORE IDEAS YOU CAN PASS ALONG THE BETTER.

THANK YOU— NICHOLE HARNEY

# IN THE NEWS

WITH ALEX MILLS

MARCH 16, 2023 thru  
APRIL 6, 2023

## Texas Legislature making changes to electric grid

A lot of people have moved to Texas. Last year about 500,000 people came to the Lone Star state pushing its population over the 30 million mark, making it the second largest in population only to California.

People seem to like the business atmosphere in Texas. Texas gross domestic product (GDP), a measure of economy size and strength, increased 2.4% in 2022 over 2021, reaching \$1.9 trillion. Oil and natural gas activity accounted for 44% of the GDP increase.

Robert Allen, president and CEO of the Texas Economic Development Corporation, said “Texas is the best state in the nation to do business.”

The weather is nice, too. However, occasionally it can turn nasty as it did in February 2021 when a record cold wave drove temperature below freezing for a week and caused a shortage of electricity.

It also can get hot during the summer months pushing electricity usage upward.

The growth in population and economic activity and the peaks-and-valleys of the weather have policymakers in Austin trying to implement changes to the electric grid to meet the demand for a safe, reliable and affordable source of electricity.

The Public Utility Council in January approved by a 5-0 vote a plan, but some members of the Texas Legislature said it could be too expensive during peak demand periods and questioned its reliability. The PUC plan would involve issuing performance credits obligating electricity companies to provide power to consumers primarily when power demand is extremely high and reaching maximum capacity.

Some members of the legislature believe this concept is very new with an unproven track record, and it has the possibility of being very expensive during peak demand when supplies are tight and demand is high.

A group of State Senators, with the support of Lt. Governor Dan Patrick, introduced nine bills last week aimed at enhancing the power sources to the electric grid in Texas. “This proposal puts new steel in the ground, ensures more electrons are flowing on our power lines in times of critical need,” Sen. Charles Schwertner, R-Georgetown, chairman of the Senate Business and Commerce Committee, said. “That’s the first part of this bill (Senate Bill 6). The second part supports and maintains our current dispatchable generation.”

Dispatchable generation refers to the types of energy sources available for usage and their reliability during critical times. Even though wind and solar have been rising in energy generation capability, the sponsors of the bills believe natural gas and coal are more dependable.

Natural gas has made major gains in production and consumption in Texas and across the nation.

Natural gas production in Texas and the U.S. set records last year. Texas production increased to 30,970 million cubic feet per day (mmcf) (a 1% increase) and U.S. production rose 4.8% to 118,823 mmcf.

Natural gas generates 49% of the state’s electricity.

Exports of natural gas from Texas have become an important part of the natural gas industry. Liquefied natural gas (LNG) exports increased 14% last year.

Yes, Texas is blessed with plentiful energy sources from the sun, wind, and petroleum, which is the cornerstone to a thriving economy. Now, state lawmakers are trying to find the best way to get all this energy to consumers in a safe, reliable and affordable manner.



## **Decline in U.S. economy creates a decline in oil demand**

The oil industry in Texas, and throughout the United States, witnessed a decline in price recently as high inflation, rising interest rates, and troubles in the banking system have created fears of the economy entering a recession and further damaging demand.

Crude oil prices are down 40% from a year ago (\$120 per barrel compared to \$69 on Wednesday). Gasoline and diesel prices followed the decline in oil with the U.S. retail gasoline averaging \$3.422 on March 20 down from \$4.239 a year ago and diesel averaging \$4.185 compared to \$5.134 last year.

Federal Reserve Chairman Jerome Powell announced Wednesday the Federal Reserve Bank is increasing interest rates another 0.25% taking it from 4.75% to 5.00%.

He said inflation remains elevated and the Fed expects inflation to be 3.5% by the end of the year.

Chairman Powell also said the U.S. economy is slowing down, and he expects real GDP (gross domestic product) to grow slightly at a rate of 0.4%.

All of these factors point to a slowing economy and a decline in demand for petroleum products.

Crude oil inventories are up 14% since December. The Energy Information Administration (EIA) reported an increase of 1.8 million barrels this week, bringing total inventories (excluding Strategic Petroleum Reserve) to 481 million barrels. Inventories in December were at 420 million barrels.

EIA recently forecast crude oil will average \$77 per barrel in 2023, which is \$11 less than its previous prediction of \$86. Gasoline also was revised down from \$3.51 to \$3.32, and diesel at \$4.20 down 16%. Natural gas is expected to average \$4.90 per million British thermal units, which is a 9.8% drop from its previous estimate of \$5.43.

EIA based its projections on expectations of a slowing economy (0.5% growth in GDP), and an increase in global petroleum supplies.

EIA forecast global petroleum production will increase by 1% (1.1 million b/d) from 2022 to 2023.

“The United States and OPEC account for most of the increase in global production, offsetting production declines in Russia,” EIA said. “We forecast that Russia’s petroleum production will fall from 10.9 million b/d in 2022 to 9.5 million b/d in 2023 as a result of sanctions related to Russia’s full-scale invasion of Ukraine. We forecast that U.S. production will grow by 5% (1.0 million b/d) in 2023, and OPEC liquid fuels production (which includes crude oil) will increase by 0.5% (160,000 b/d) in 2023.”

The amount of oil produced and sold internationally by Russia remains uncertain. On Feb. 5, the European Union’s ban on seaborne imports of petroleum products from Russia became effective, which is expected to be more disruptive to global petroleum markets than the EU’s December 2022 ban on seaborne crude oil imports from Russia.

EIA said oil production in the U.S. will reach historic highs in 2023 averaging 12.4 million barrels per day (b/d), which would surpass the previous high of 12.3 million b/d in 2019.

“Implied builds in global petroleum inventories (when there is more petroleum production than consumption) are driving these declines in crude oil prices,” EIA said.

## America's record energy production comes 50 years after embargo

The data has been collected and it is official: Energy production in the United States set a record in 2022.

Total U.S. energy production last year was 102,748 quadrillion British thermal units (quads) compared to the previous record set in 2019 at 101,486 quads, according to figures released by Energy Information Administration (EIA) this week.

Fossil fuels accounted for 79.2% of the energy production followed by renewables at 13% and nuclear at 7.8%. Production of fossil fuels in 2022 was 81,354 quads, renewables at 13,347 quads, and nuclear at 8,046.

Crude oil and natural gas were the largest energy producers in the U.S. each having banner years.

Crude oil production in the lower 48 states and Alaska totaled 11.883 million barrels per day (b/d), which was exceeded only in 2019 with 12.315 million b/d. Add in natural gas liquids of 5.883 million b/d and total field liquid production set a record of 17.766 million b/d compared to 17.140 million b/d in 2019.

Gross withdrawals of natural gas also set a new record last year with 43,370 billion cubic feet eclipsing the previous record of 40,780 billion cubic feet in 2019. U.S. natural gas production has increased steadily since 2008 when gross withdrawals were 25,636 billion cubic feet.

Wind and solar had good years, too, both setting new consumption records. Wind energy consumption in 2022 was 3,845 trillion Btu, breaking last year's record of 3,344 trillion Btu. Solar consumption totaled 1,870 trillion Btu last year beating the 2021 total of 1,519 trillion Btu. Other energy totals in 2022 classified as "renewables" were hydro-electric at 2,317 trillion Btu, wood 2,045 trillion Btu, bio-fuels 2,410 trillion Btu. Total energy consumption from renewables in 2022 was 13,121 trillion Btu.

Especially good news from EIA's data is the U.S. continued to be a net exporter of energy. In 2022, net exports from the U.S. increased to 5,920 quads surpassing the previous record set in 2021 at 3,616 quads.

Last year was the fourth consecutive year that the U.S. was a net exporter. From 1950 (the first year EIA began reporting trade data) until 2019, the U.S. was a net importer of energy. During the years between 2000 to 2008 net imports peaked between 24,000 quads to 30,000 quads each year.

Ironically, America's energy might arrives 50 years after Arab oil producers decided to use the "oil weapon" against the U.S. because of its support of Israel. The embargo began on Oct. 19, 1973 and resulted in a series of production cuts causing the price of oil to increase from \$2.90 a barrel to \$11.65 a barrel.

The embargo ceased in March 1974, but higher oil prices remained along with a declining economy, rising inflation, threats to our national security, and gasoline lines. Today, America's energy security is much stronger than 50 years ago because of America's increased energy production.

## **OPEC+ announces production cuts sending oil price upward**

While the surprise announcement of oil production cuts of 1.66 million barrels per day from OPEC+ members sent prices soaring on international markets this week, the price of natural gas in the U.S. has dropped to unusually low levels.

Just before OPEC+ members were scheduled to meet on Monday, April 3, the group announced the production cuts surprising those in attendance who were expecting the group to continue without changes.

Crude oil prices on the international exchange for Brent crude rose to \$85.73 and to \$81.41 on the NYMEX. Last week WTI was trading at an average of \$69.

Meanwhile, the spot price for natural gas dropped to \$2 per million British Thermal Units (mmBtu).

“U.S. natural gas prices are at the lowest levels in almost 3 years as mild weather and the oil industry’s drilling spree have created a perfect storm, with associated gas accounting for roughly a third of natural gas output,” OilPrice.com stated. Associated gas is produced from oil wells, and oil production in the U.S. is at record highs as is natural gas production.

Natural gas storage is 21% higher than the 5-year average for this time of year, OilPrice.com noted.

Oil production cuts include 500,000 barrels per day previously announced by Russia and 1.16 from other member countries with Saudi Arabia making the largest cut.

“The move to reduce supply is fairly odd,” according to an analysis from ING, a global financial services corporation, as reported by World Oil magazine.

“Oil prices have partly recovered from the turmoil seen in financial markets following developments in the banking sector,” the analysis from Warren Patterson, ING Head of Commodities Strategy, stated.

“Meanwhile, oil fundamentals are expected to tighten as the industry moves through the year. Prior to these cuts, ING was already expecting the oil market to see a fairly sizeable deficit over the second half or 2023. Clearly, this will be even larger now,” Patterson stated.

“A tighter market means that we now expect higher oil prices. Before the announcement, we were forecasting Brent to average \$97 per barrel over second half 2023. However, we now expect the market to average \$101 per barrel over this period,” he stated.

Patterson points out there could be twists and turns to his projection. “There are clear risks to this view,” he said. “The most important being the demand outlook. At the moment, global oil demand is forecast to grow by around 2 million b/d in 2023. A significant amount of this growth is concentrated in China (close to 50%), so naturally this is a risk, given a substantial amount of demand growth hinges on one country.”

He also notes the possibility of central banks around the world tightening monetary policy leading to a stronger-than-expected slowdown later in the year.



Electric vehicles sales reach new high

Electric vehicles – better known as just EVs – have become the talk of the town in communities across the U.S. and Europe.

Encouraged by subsidies funded by federal tax dollars, the EV side of the automotive industry has experienced significant growth. The number of registrations of newly sold electric vehicles globally has increased from 3 million five years ago (2017) to 15 million in 2022.

Tesla leads EV sales in the U.S. with 64.6% market share last year. Ford had 7.5% of the U.S. market and GM had 4.8%.

Tesla's stock price has been volatile, peaking at \$407 per share on Nov. 3, 2021 and dropping to \$108 on Jan. 3, 2023 but recovering to \$182 on Wednesday. Tesla decreased the price of its vehicle earlier in March, but they remain higher than gasoline-powered vehicles. Tesla's Model 3's list price is \$42,990 compared to the Model Y at \$54,990, and the Model S sells for \$89,900, according to its web page on Wednesday.

The purchasing price of EVs is a key consideration.

Chevrolet EV Blazer lists from \$45,000 to \$67,990 compared to the gasoline-powered Blazer of \$35,000 to \$44,000. Chrysler Pacifica EV costs \$48,478 compared to the gasoline version at \$37,095.

A recent article in The Wall Street Journal – entitled “Electric Shock: Plug-Ins Get Cheaper” – said batteries, the most expensive component, “are getting cheaper, bringing down overall prices.”

AAA Explorer magazine recently wrote about EVs and their batteries.

“Indeed, battery packs can be expensive,” wrote author Peter Bohr. “Like the engine of a conventional gasoline vehicle, the battery pack is the heart of an electric vehicle.”

EV automakers typically warrant batteries for 8 to 10 years or 100,000 miles, and over time batteries become less efficient, Bohr said. Pack replacements “can start at around \$5,000 for a Nissan Leaf battery, rising to perhaps more than \$20,000 for a Tesla,” he wrote.

Bohr suggested avoiding internal and external heat because charging a battery pack in hot weather can accelerate unwanted chemical reactions that permanently degrade battery materials and lead to lithium loss: 60 to 70 degrees is the ideal temperature.

Owners should avoid completely draining the battery pack or charging it to very high levels, Bohr said. “A 100% charge is okay if you drive the car immediately, but not if it's left to sit, especially in hot weather. A state of charge between 30% and 80% is best,” he said.

Bohr also noted using the air conditioner or heater will reduce range between charges. “Heaters especially uses up a lot of the battery pack's energy, which is why EVs lose range in very cold weather.”

EVs must be recharged, and this can be accomplished at home by installing the proper equipment or at a Level 3 DC fast charger.

Providerpower.com computed the cost of recharging at home at about \$41 in electricity per month. They assumed electricity cost of \$0.12 per kilowatt-hour and EV usage of 30 kWhs per 100 miles with average travel of 1,125 miles per month.


EV manufacturers blame its inability to keep up with demand on a variety of issues, such as battery problems, safety concerns and navigating new supply chains.

Time will tell if EVs can live up to all the talk and expectations of drivers in the years ahead.

# April 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						<i>APRIL FOOLS DAY</i> 1
2	3	BOARD MEETING 4	5	SHIRLEY BRIDWELL 6	GOOD FRIDAY 7	8
<i>EASTER</i> 9	10	11	12	13	14	15
16	BARBARA PAPPAS 17	18	MEMBERSHIP MEETING 19	JORDAN MOSS 20	21	SHEILA MCGAUGHEY 22
23	24	25	26	27	CENTRAL REGION MEETING 28	29
30						

# May 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	BOARD MEETING 2	3	4	5	6
7	8	9	BARBARA FRANKLIN 10	11	12	13
14	15	16	MEMBERSHIP MEETING 17	18	GOLF TOURNAMENT  19	20
21	22	23	24	25	26	27
28	MEMORIAL DAY 29	30	31			

