

DESK AND DERRICK DATE-LINE

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

MARCH 2023—VOLUME 73—ISSUE 3

FIELD TRIP-FIELD TRIP

READ ALL

ABOUT IT

HAVE YOU EVER WANTED TO TAKE A STEP BACK IN TIME AND SEE HOW THE OIL AND GAS INDUSTRY OPERATED? WELL, YOUR IN LUCK THE FIELD TRIP COMMITTEE HAS PUT TOGETHER AN AMAZING FIELD TRIP. HERE ARE A COUPLE HIGHLIGHTS.

- ◆ ARDMORE, OKLAHOMA
- ◆ GREATER SOUTHWEST HISTORICAL MUSEUM
- ◆ OILFIELD WARRIOR STATUE
- ◆ TWO FROGS GRILL

YOU DON'T WANT TO MISS OUT ON THIS EDUCATIONAL HANDS ON FIELD TRIP. YOU CAN FIND MORE INFORMATION **ON PAGE 29.**

INSIDE THIS ISSUE

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CLUB PURPOSE & MOTTO

OFFICIAL COLORS

BLACK & GOLD

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

**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



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 Rodriguez

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

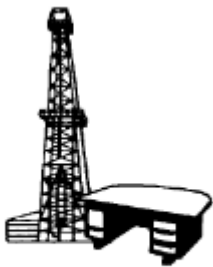
Nichole Harney—Chairman

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

March 2023

Happy Desk and Derrick Awareness Month!

Do you remember working on connect-the-dots puzzles when you were younger? Sometimes you would get an easy one and could see the image immediately, even before connecting the dots, *then* there were the harder ones that you really couldn't see the image until you started working on it. Desk and Derrick reminds me of a connect-the-dots puzzle. So, do I have you puzzled? Let me explain. "Connect-the-dots" can also be explained as bringing together information from different places to have a better understanding of something by piecing it together. Our monthly meetings cover such a vast array of topics, but all focusing on one common entity—oil, gas, and energy. It takes each meeting— "connecting the dots"—to help us see the full picture. Collectively our meetings, field trips, seminars, regional meetings, and conventions help us to "connect" and gets us closer to seeing the full picture while learning about every aspect of our great industry!

Why not share those "dots" with your friends, co-workers, and prospective members? March is DESK AND DERRICK AWARENESS MONTH and a great time to invite others so that they can see the many benefits of being a Desk and Derrick member. It's also a great way to promote our club and the association so that we can keep them both thriving.

Our membership is currently twenty-five members. Down a little bit from last year, but we are positively optimistic. 'Thank You' to the membership committee, **Barbara Franklin** and **Diana Walker**, for taking care of all the renewals. Membership forms have been sent to Midwestern State University and Vernon Regional in hopes of acquiring some new members.

Our February membership meeting was incredible! We traveled back in time with **Cecil Duke** of CD Fluid Training and also a member of our club. He transported us back to the early 1900's and gave us a glimpse of a few events that occurred in the past that most certainly shaped the future of the oil and gas industry in a positive way! I could definitely tell that you all wanted to "connect-the-dots" from all the follow-up questions that you had for Mr. Duke. **Rena Shaffer** did an awesome job of outlining each event for us in her write-up in this month's bulletin. You do not want to miss it! (*You can skip there now, I won't judge!*). But wait — there's more! Cecil and Rena have planned an awesome field trip for Saturday, March 25th that will highlight a statue in Ardmore, Oklahoma honoring the "Roughnecks of Sherwood Forest" - just one of Mr. Duke's fascinating stories, along with lunch at the Two Frogs Grill and a trip to the Greater Southwest Historical Museum. All the details are in this bulletin! (On a side note: Cecil's wife, Tina, won the 50/50 raffle money at the February meeting, but graciously donated it back to the club).

(Continued on next page)

(Continued)

We will continue “connecting” at our March meeting. Mr. Andrew Aday with Lufkin Industries will present “Rod Pump Basics”. It will be a general overview of rod lift systems. Mr. Aday has three little ones at home and is traveling all the way from Temple, Texas, so we are most appreciative of him taking time out of his busy schedule to have lunch with us. Our April meeting will be a follow-up to March, which will be presented by Roland Barrick with ChampionX—Norris Rod. He will provide a rod pumping demonstration. I can already see you “connecting-the-dots”! Please be sure to invite any co-workers, engineers or field personnel that might be interested in attending.

Are you ready for a road trip? Start making plans now to join us in El Dorado, Kansas on April 28-29, 2023, for the Central Region Meeting. The club is offering paid registration, one (1) field trip and/or seminar to three (3) members.

- To qualify you must be:
- 1) A member who receives no financial support from their employer.
 - 2) A retired member.
 - 3) A new member who has become active and has attended many of the meetings since joining the club.

If this is you and you are interested in attending, please let me know. The deadline to apply is **March 27th at noon**. The packets were sent out by email. Make plans to join us!

Here is your March fact from Alex Epstein’s book Fossil Future: Nuclear plants can “melt down” (overheat) if they are not cooled properly, but even in worst-case scenarios the nonexplosive nature of nuclear means there is ample time to react and avoid dangerous radiation. This is why in the civilized world there are zero documented deaths from nuclear radiation from commercial reactors. Zero! And yet most of us think of nuclear energy as dangerous—because our knowledge system has catastrophized it despite not a shred of plausibility from the fields of nuclear science or engineering. It has done this above all by distorting the issue of nuclear radioactivity.

Collecting the dots.....Connecting the dots.....Sharing with those around you.

This makes Y-O-U the backbone of this organization and industry.

Peace, Love and Happiness!

Sheila McGaughey



Val Williams
 3647 Marywood Dr
 Spring, TX 77388
 713-962-7184
valwilliams1950@gmail.com

March 2023

Board of Directors

PRESIDENT
Barbara Pappas
 Cobra Oil & Gas Corp.

Greetings Central Region Members,

I hope this letter finds all of you well and I hope you had a very happy Valentine's Day. I know that some of our Central Region members celebrated Mardi Gras on the Gulf Coast of Alabama and I heard they had a very festive time.

PRESIDENT ELECT
Wendy Sparks
 Carl E Gungoll Exploration

March is DESK AND DERRICK AWARENESS MONTH. We celebrate this month with asking prospective members to come to meetings. Please step out of the box and try something new for your club. Do a brown bag lunch at your office and invite other employees to join you and talk about the history of ADDC, the Central Region and your Club.

SECRETARY
Jamie Sabata
 Gardner Cryogenics

The Budget and Planning Highlights are being released this month. The Central Region Nominating Committee with Wendy Sparks as chairman, are looking for someone to step-up and be the 2024 Region Director.

TREASURER
Kathy Martin
 Acadian Ambulance Service, Inc.

Our 2023 Central Region Meeting is fast approaching!! Dates are April 28-29, and the registration packet will be emailed to all the club presidents. Abby Johnson, and the Butler County Club are hosting this meeting. I am looking forward to seeing everyone in person and meeting new members.

IMMEDIATE PAST PRESIDENT
Philana Thompson
 Merrion Oil & Gas Corp.

Don't forget the ADDC Convention will be held in Albuquerque, New Mexico on September 19-24, 2023, at the Sandia Resort and Casino. Watch for more information as it becomes available. Please make plans to attend.

PARLIAMENTARIAN
Judi Adams

Remember if you use the words "Desk and Derrick", D&D and or ADDC logo you will need to have Board approval. The form is on the ADDC Website.

CENTRAL REGION DIRECTOR
Val Williams

Speaking of the ADDC Website, have you been there and checked the directory to update your information. The history of this great organization is posted. The order form for the Energy Activity Books is posted. Guidelines for ADDC Committees are available for each committee. There is a wealth of information on our website.

NORTHEAST REGION DIRECTOR
Kelli Hiltbrand
 Sutton Pump & Supply

Have you visited the Central Region Facebook Page? You may post your club events and information about your club on this Facebook page.

SOUTHEAST REGION DIRECTOR
Susan Miller

May 15, 2023 is the deadline for filing the Annual Tax Form (TAXE1) and send it to Melodee Guererro of the Graham Club.

WEST REGION DIRECTOR
Esther Greyeyes
 Merrion Oil & Gas Corp.

I hope all of you have the luck of the Irish and enjoy St Patrick's Day this month. It is for the wee folk.

Have a great month!

Val



Barbara Pappas

2023 ADDC President

5244 Sunnybrook Lane

Wichita Falls, TX 76310

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

bpappas1@ymail.com or

Barbara@cobraogc.com

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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Merrion Oil & Gas Corp.

PARLIAMENTARIAN

Judi Adams

CENTRAL REGION

DIRECTOR

Val Williams

NORTHEAST REGION

DIRECTOR

Kelli Hiltbrand

Sutton Pump & Supply,
Inc.

SOUTHEAST REGION

DIRECTOR

Susan Miller

WEST REGION

DIRECTOR

Esther Greyeyes

Merrion Oil & Gas Corp.

March 2023

To: ADDC Membership

Happy March Everyone! This is Desk and Derrick Awareness Month. Now is an excellent time to promote your club and the Association. There are several ways to promote Desk and Derrick - have a Membership Drive during March, contact your local city office and have your Mayor declare your meeting date as "Desk and Derrick Day", 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, if you do not ask! Contact your local newspaper and have your club meeting information posted in the paper. Please 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 regions "gear up" to hold their regional meetings, all registration information can be found on the ADDC website. You can also attend other region meetings than your own region meeting. It is a great way to meet other members and participate in their seminars, field trips, etc.

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 met for consideration by going to www.theeducationaltrust.org.

Club Presidents - 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.

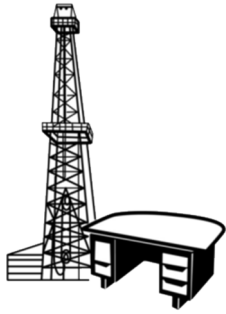
As always, if you have any questions, please do not hesitate to contact me or any member of the ADDC Board. This Association belongs to all of us and we are all in this together. We all need to move in a forward direction to accomplish our goals for the year, by working side by side.

The Rules Chairman, Angie Duplessis, provided a March letter and region meeting report, and it is uploaded to the ADDC website. There were no proposed amendments submitted to the Rules Committee by the February deadline. If you have any questions, you may contact Angie at angdupless@aol.com or myself.

"It's okay to admit what you don't know. It's okay to ask for help. And it's more than okay to listen to the people you lead - in fact, it's essential." —Mary Barra, CEO of General Motors

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)**

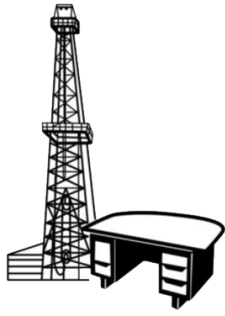
**Send Payment and form to:
Diana Walker
%Stephens Engineering
P.O. Box 2249
Wichita Falls, TX 76307-2249**

**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 | Phone: 405-543-3464



Association of Desk and Derrick Clubs

2023 Student 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: <input type="checkbox"/> Renewal <input type="checkbox"/> New Member
Gender: <input type="checkbox"/> M <input type="checkbox"/> F	Member Type: <input type="checkbox"/> Professional <input type="checkbox"/> Student
Company Name: _____	Preferred Mailing Address: <input type="checkbox"/> Home <input type="checkbox"/> 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: <input type="checkbox"/> 21-30 <input type="checkbox"/> 31-40 <input type="checkbox"/> 41-50 <input type="checkbox"/> 51-60 <input type="checkbox"/> 61-70 <input type="checkbox"/> 71-80 <input type="checkbox"/> 80+	

<p>Dues: \$20.00 (Student) (ADDC+Region+Club)</p> <p>Make Checks Payable to: Desk and Derrick Club of Wichita Falls, TX</p>	<p>Send Payment and Form to: Diana Walker % Stephens Engineering P.O. Box 2249 Wichita Falls, TX 76307-2249</p>
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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

Signed _____ Date: _____

Association Distribution Office
5014 FM 1500 | Paris, TX 75460
Email: 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 28th-29th.

This is the 6th 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 28th.

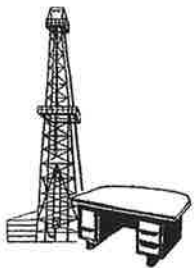
Friday night we will do "Paint and Sip" after the dinner. Saturday morning we will have the business meeting then the Members Luncheon and adjourn after the gavel is passed to the new RD Elect for 2024.

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 28th

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 29th

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 28th-29th 2023

Rates are for two person occupancy.

Double Queen \$94 per night

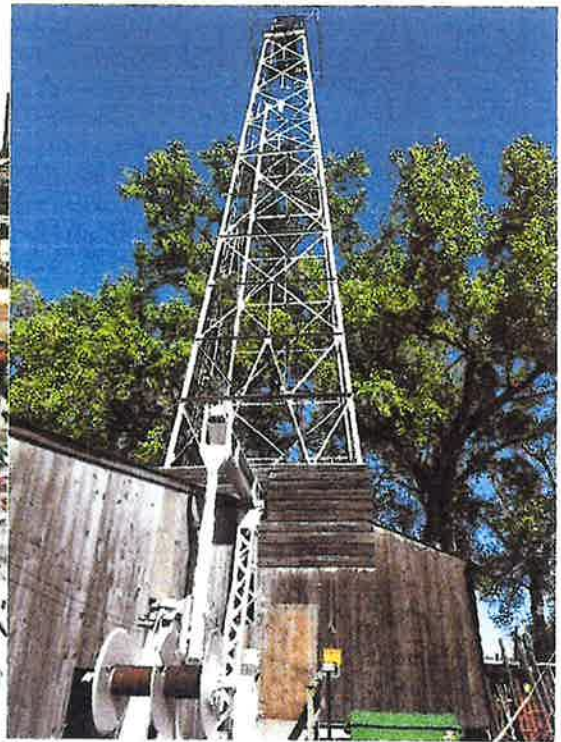
RATE CODE- DRM

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.

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 28th-29th 2023
El Dorado, Kansas



Photo courtesy of Wendy Sparks

Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Cell: _____

E-mail: _____

Club: _____ Region: _____

_____ Official Delegate?

_____ Alternate Delegate?

_____ ADDC Officer? Year _____

Office _____

_____ Regional Director? Year _____

_____ Is this you're first Region VI Meeting?

Special Dietary Requirements/Food Allergies?
 Explain _____

ALL MEMBERS MUST REGISTER FOR THE MEETING TO ATTEND ANY OF THE MEETING FUNCTIONS

To avoid designated late charges, registration fees must be postmarked on or before April 3, 2023.

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.

Member Registration \$80.00 \$ _____
 (Includes Lunch Friday, Field Trip, Friday Night Function, Saturday Luncheon)

If Mailed after 4/03/23 \$95.00 \$ _____

Friday, April 28 – Field Trips
 Field Trip includes Lunch

Museum & Fab Shop **Included**

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 El Dorado
 PO Box 1121
 El Dorado, KS 67042
 316-321-8281
 620-229-4962
abby.johnson@hfsinclair.com

**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

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.

Unique History of the Oil and Gas Industry

Cecil Duke, Speaker

Cecil Duke founded CD Fluid Training and has been an instructor of drilling fluid training at Vernon College since 2012. He joined our Wichita Falls Desk and Derrick Club in 2021 after presenting a 2020 program for us on “The Essential Mud Man” and later a seminar in his classroom “Mud Man Training”. He based our February program on three historical events: The Conroe Crater of 1933, Roughnecks of Sherwood Forrest, and Project Plowshare.

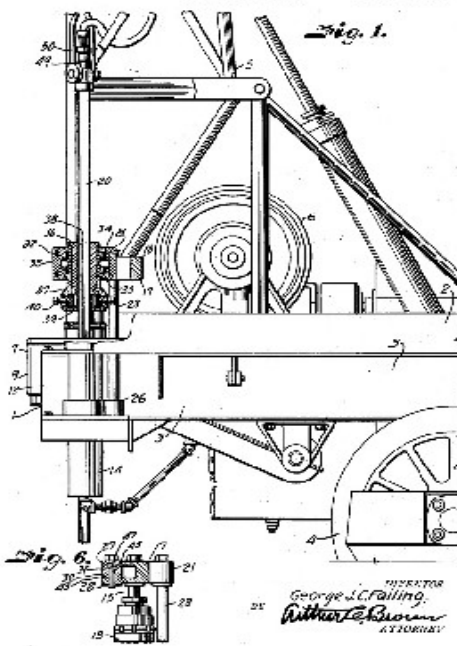
THE CONROE CRATER

The early Conroe, Texas oilfields contained shallow, but highly gas-charged oil producing sands in the third largest oilfield in the United States at that time. By the end of 1932, more than 65,000 barrels of oil flowed daily from 60 wells in the region north of Houston. In January 1933, disaster struck when one of the wells blew out and burst into flames. The well cratered and completely swallowed nearby drilling rigs and the fire



threatened the entire field’s production. It took the combined efforts of George E. Failing of Enid, Oklahoma, and H. John Eastman of Long Beach, California, to save the Conroe oilfield.

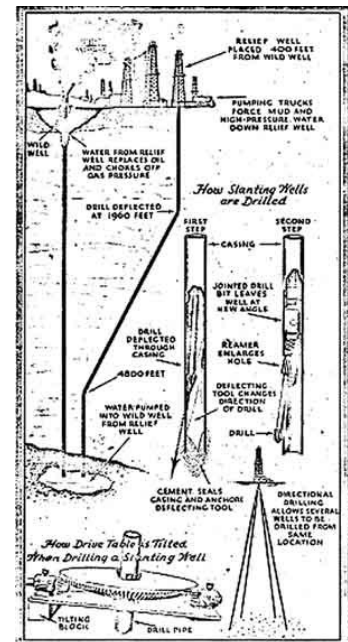
Mr. Failing mated a drilling rig to a 1927 Ford farm truck and a power take-off assembly. The same engine that drove the truck across the oilfields was used to power its rotary drill. He drilled nearly a dozen 600’ relief wells to tap pressure away and allow firefighters to extinguish the fire. It was a success, but the growing lake of oil continued to feed off of the sunken casing at the rate of over 6000 barrels each day. Reduced pressure in the field dropped all other wells to less than 100 barrels per day in production.



After the fire was out, H. John Eastman was brought in to stop the flow of oil into the crater. Whip stocks were tapered wedges in a borehole that forced a drill bit sideways into a new direction and Mr. Eastman was a whip-stocking expert. Today he is recognized as the Father of Directional Drilling and Surveying. He began drilling of the relief well in November 1933. On January 7, 1934, his directional drilling successfully reached its target. Four steam-powered pumps began forcing thousands of tons of water into the well. After two days, the erupting oil flow was finally stopped.

George E. Failing became an international leader in designing and manufacturing portable drilling rigs. H. John Eastman's contributions would continue in oilfields around the world for his advanced drilling technologies for efficiency and precise well placement.

A member asked about the location and size of the crater. Mr. Duke informed her that it is located in the southeast corner of Conroe, is 100 yards in diameter and estimated to be 600' deep. She will try to take a side trip the next time she visits the Houston area.



ROUGHNECKS OF SHERWOOD FOREST

The United Kingdom was fighting for its survival and the outcome of WWII depended on petroleum supplies. Geoffrey Lloyd, the British Secretary of Petroleum, called an emergency meeting of the Oil Control Board in August 1942 to assess the future crisis in oil. U-boat attacks and the bombing of dockside storage facilities had brought the British 2 million barrels below its minimum safety reserves. Germany threatened England's access to Middle East oilfield sources. England's fuel supplies came by convoy from Trinidad and America and were subjected to relentless Nazi submarine attacks. England had a productive oilfield in the Sherwood Forest but shortages of drilling equipment and personnel kept them from developing the field. Under great secrecy, D'Arcy Exploration Managing Director, Phillip Southwell, was sent to the Petroleum Administration for War in Washington, D.C. A secret mission was planned to have America assist in this field.

Lloyd Noble, president of Noble Drilling and Frank Porter, president of Fain-Porter Drilling were asked to assist. Both were committed to wartime production for the United States and were not interested. Mr. Southwell was very persistent and flew to Dallas, Texas and rented a car to drive to Oklahoma. At this time he was only allocated one tank of rationed gasoline but he made the trip on faith, trusting he would find fuel for the return trip to Dallas. On September 13, 1942, he arrived at Mr. Noble's home in Ardmore, OK. Mr. Noble was impressed with Mr. Southwell's persistence and his patriotism got the best of him. He told Mr. Southwell that if Mr. Porter would join in, Noble Drilling would commit to the venture. Noble would purchase the necessary equipment, recruit men to run the rigs, and best of all – would not expect any profit. The work would be their contribution to winning the war. Mr. Noble made sure Mr. Southwell had a tank of gas to return to Dallas and was able to convince Mr. Porter to join the mission of drilling 100 new wells in the Eakring field on a one-year contract.

A team of American oil drillers, derrickhands, roustabouts, and motormen secretly boarded the HMS Queen Elizabeth in March 1943. Four drilling rigs were transported on four different ships. One ship was lost to a German submarine. The men stayed at a monastery and because it was a top-secret mission, rumor had it that they were making a movie. The Americans drilled an average of one well per week, which normally would have taken the British five weeks to drill. The difference was that the Americans kept using the same bit as long as it was making hole, but the British changed bits at 30-foot intervals. The project was completed in March 1944

with the Americans logging 106 completions and 94 producers. England’s oil production had shot from 300 bpd to more than 3,000 bpd. Without any fanfare, the roughnecks returned to the United States. Their mission and success remained secret until November 1944 when the Chicago Daily Tribune ran a story “England’s Oil Boom” on a back page; however, few took notice at the time.



Lloyd Noble



Frank M. Porter

Two identical bronze statues separated by the Atlantic Ocean commemorate the achievement of WWII American roughnecks. One stands in Nottinghamshire, England. Its twin resides at Memorial Square in Ardmore, Oklahoma. They are to honor those who sacrificed their lives during war and peace, and the oil drillers and energy industry that came to England’s rescue in WWII.

Mr. Duke loves history and will go wherever he needs to physically see it. He is even looking into planning a field trip for our members to Oklahoma to see the Oil Patch Warrior statue and other sites. We’ll keep everyone posted!



Oil Patch Warrior – Ardmore, Oklahoma

PROJECT PLOWSHARE

The Atomic Energy Commission (AEC) established the Plowshare Program in 1957 to explore the peaceful uses of nuclear energy. In 1967, the first of three joint government-industry experiments were conducted to investigate the possibility of using nuclear explosions to stimulate natural gas production. The first was Project Gasbuggy and was carried out by the Lawrence Livermore National Laboratory (LLNL), El Paso Natural Gas Company and the Bureau of Mines of the U.S. Department of Interior in Farmington, NM. A nuclear device was detonated in a sandstone formation at 4300' and produced a chimney 335' high with a diameter of almost 165'. The results were encouraging and gas production increased six to eight times over previous rates. However, the Plowshare nuclear device used still resulted in an undesirable high concentration of tritium in the gas. The second test was Project Rulison in 1969, in Grand Valley, Colorado, under the direction of Los Alamos, but results yielded gas with quality issues similar to Gasbuggy. The third was Project Rio Blanco took place in 1973 near Rifle, Colorado. LLNL's device design proved to be acceptably clean, but only small amounts of gas were obtained. While these tests established the technical feasibility for gas stimulation using nuclear explosives, the yield proved too costly, failed to perform as expected and faced public backlash from fear of radioactive gas in homes. Project Plowshare was terminated in 1977.



A member asked if anyone was hurt by radioactivity and Mr. Duke responded no. He mentioned that with the Rio Blanco project, three different devices were set off in three different areas. Video shows the pressure wave moving and picking up dust. We appreciate Mr. Duke sharing this history with us. Rena Shaffer

Unique History of the Oil and Gas Industry

Cecil Duke ~ speaker

Founder of CD Fluid Training ~ Instructor at Vernon College



Wife of Speaker-Tina Duke, Speaker-Cecil Duke, 2023 President-Sheila McGaughey, Guest/Student of Speaker- Evan McDivitt

CONROE CRATER OF 1933



JORDAN JACKSON, VICKIE YOUNG

PROJECT PLOWSHARE



ROUGHNECKS OF SHERWOOD FORREST



RENA SHAFER, BARBARA PAPPAS



DORIS STERLING, NELVA WHITE

CLUB NEWS

PRAYERS

PLEASE KEEP BARBARA PAPPAS AND HER FAMILY IN YOUR THOUGHTS AND PRAYERS THROUGH THIS HARD TIME. SHE LOST HER BROTHER LEONARD JR. FEBRUARY 18TH. HER FATHER LEONARD SR. PASSED AWAY FEBRUARY 24TH.



CLUB SPONSORSHIP

DON'T FORGET TO TURN IN YOUR NAME TO APPLY FOR THE SPONSORSHIP. THE DEADLINE IS MARCH 27TH. YOU CAN EMAIL SHEILA YOUR NAME AND WHICH BRACKET YOU QUALIFY UNDER. YOU DON'T WANT TO MISS OUT ON THE FUN OPPORTUNITY. SMcGaughey@sjoc.net

CLUB MEMBERSHIP

AS OF MARCH 1ST THE WICHITA FALLS CLUB IS STANDING STRONG AT 25 MEMBERS. TO HELP OUR CLUB GROWN IN 2023 EACH MEMBER SHOULD REACH OUT TO COWORKERS AND INTRODUCE THEM TO DESK AND DERRICK. COULD YOU IMAGINE HOW FAST OUR MEMEBRSHIP WOULD GROWN IF ONE MEMBER BROUGHT IN A NEW MEMBER.



STUDENT MEMBESHIP

STUDENT MEMBERSHIPS ARE NOW AVAILABLE. PLEASE FIND THE STUDENT MEMBERSHIP FORM IN THIS BULLETIN. IF YOU KNOW A STUDENT PERSUSING EDUCATION IN THE PETROLEUM, ENERGY, AND ALLIED INDUSTRIES INCURAGE THEM TO SIGN UP. THIS WOULD BE A FUN AND EDUCATIONAL EXPERIENCE FOR THEM.



At our February meeting, Cecil Duke told us about the Roughnecks of Sherwood Forest and their secret mission so we asked if he would put a field trip together for us....so join us March 25, 2023!

We will meet at the FirstCapital Bank Building at the corner of Kemp and Kell at 8:30AM and carpool to Ardmore, Oklahoma (feel free to use the covered parking area). We plan to visit the Greater Southwest Historical Museum where we will learn about the oil and gas industry and see a working model of oilfield equipment. We will also see the Oilfield Warrior Statue dedicated to the efforts of the drilling crews. Make plans to eat at the Two Frogs Grill (lunch paid by attendees). Cecil said it is similar to Parkway Grill here in town. We should be home 3:30-4:00PM.

This field trip is open to guests! Please make reservations to attend this field trip by 5PM March 22 to Rena Shaffer, rena@eagleog.com or call 940-723-7322 office, or 940-704-2014 cell. Don't forget to fill out the Emergency Release Form and bring it on the field trip. You must have this form to attend the field trip. Thanks and Hope You'll Come!!



EMERGENCY INFORMATION & RELEASE FORM

Desk and Derrick Club of Wichita Falls, Texas

PARTICIPANT'S INFORMATION

PARTICIPANT NAME	_____
ADDRESS	_____
OFFICE PHONE	_____
CELL PHONE	_____

IN CASE OF EMERGENCY, PLEASE NOTIFY

NAME	_____	RELATIONSHIP	_____
ADDRESS	_____		
OFFICE PHONE	_____		
CELL PHONE	_____		

HOSPITALIZATION INSURANCE COMPANY

INSURANCE COMPANY	_____
ADDRESS	_____
PHONE	_____
POLICY NUMBER	_____

I understand that my participation in the field trip and/or special events is at my own risk and responsibility. Neither the Desk and Derrick Club of Wichita Falls nor the Association of Desk and Derrick Clubs assumes any liability.

SIGNATURE	_____
CLUB NAME	_____
DATE	_____

Signed release form must be received before departure of any field trip and/or special event. Please give your form to Rena Shaffer before departure.

2023 AAPG SWS ANNUAL CONVENTION

NORTH TEXAS GEOLOGICAL SOCIETY



THIS YEAR THE GEOLOGICAL SOCIETY WILL BE HOSTING THEIR 100TH ANNUAL COVENTION IN WHICTA FALLS, TEXAS. THEY HAVE REACHED OUT TO THE CLUB ASKING FOR VOLUNTEERS TO COVER THE REGISTRATION BOOTH AND HAND OUT TICKETS. AS ALWAYS OUR CLUB IS EGER TO LEND A HELPING HAND.

LOCATION:

RAY CLYMER EXHIBIT HALL, WICHITA FALLS, TEXAS

DATES:

SATURDAY, MAY 6, 2023 - TUESDAY, MAY 9, 2023

THE CLUB HAS BEEN INVITED TO ATTEND THEIR

SUNDAY NIGHT ICEBREAKER: TBA

MONDAY NIGHT SOCIAL EVENT: HELD AT THE FARMERS MARKET, CASA MANA WILL SERVIER THEIR FAMOUS RED TACOS AS APPATIORS AND THE MAVERIKS WILL BE SERVING DINNER.

SIGN UP SHEET: PAGE

**AAPG SWS ANNUAL COVENTION
SIGN UP SHEET**

SATURDAY MAY 6TH

7:30 AM -11:30 AM

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11:30AM-3:30PM

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3:30 PM-6:00PM

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MONDAY MAY 8TH

7:30 AM -11:30 AM

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11:30AM-3:30PM

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3:30 PM-6:00PM

--	--

SUNDAY MAY 7TH

7:30 AM -11:30 AM

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11:30AM-3:30PM

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3:30 PM-6:00PM

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TUSDAY MAY 9TH

7:30 AM -12:00 AM

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IF YOU WOULD LIKE TO HELP AND UNABLE TO COVER THE LOTTED
TIME PRESENTED PLEASE LET NICHOLE HARNEY KNOW AT
NICHOLE@COBRAOGC.COM AND WE WILL BE ABLE TO ADJUST THE
TIMES TO HAVE SOMEONE FILL IN THE REMAINING TIME.

**Desk and Derrick Club of Wichita Falls
March 15, 2023**

Membership Meeting
The Forum, 2120 Speedway Avenue

Presiding: **Sheila McGaughey**
Stephens Engineering

Invocation: **Jordan Jackson**
Arts Council

Introduction of Speaker: **Ashley Pierce**
Burk Royalty Co. LTD

Program: **Andrew Aday**
Regional Sales
Lufkin Industries

“Rod Pump Basics”

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

Reservations Deadline 4:00pm Thursday, March 9

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)

IN THE NEWS

WITH ALEX MILLS

February 9, 2023 thru
February 2, 2023

Oil, natural gas exports from Russia declined in 2022

Russia's decision to invade Ukraine one year ago has sent economic shock waves throughout Russia, Europe, and across the globe.

The United Kingdom and members of the European Union (EU) – along with United States, Australia, Canada and Japan – agreed to participate in a variety of actions designed to reduce revenues to Russia from the sale of petroleum products and natural gas.

The first action prohibited insurance companies based in these countries from insuring shipping companies that transport cargoes of Russian crude oil unless the oil was purchased below \$60 per barrel. The sanction became effective on Dec. 5.

On Feb. 5, a \$100 price cap on diesel and \$45 cap on fuel oil was slated to become effective, but there continues to be disagreements on implementation.

Natural gas imports from Russia to Europe have declined and are expected to drop further. Between January and October 2022, Russia delivered 1.4 trillion cubic feet (Tcf) of natural gas via various pipelines to Europe, a large decrease compared to 2.9 Tcf delivered during the same period in 2021, according to the Energy Information Administration (EIA) at the US Department of Energy.

The overall impact on Russia's ability to find buyers for its crude oil and natural gas is difficult to determine.

The International Energy Agency (IEA) reports Russian oil exports fell by 200,000 barrels per day (b/d) in December to 7.8 million b/d, as crude shipments to the EU declined after the EU crude embargo and price cap came into effect. Russia's revenues declined by \$3 billion in December to \$12.6 billion compared to December 2021, according to IEA.

Additionally, Russia threatened to cut off all exports to all countries that participate in the sanctions.

The impact on U.S. energy supplies, demand, and price was up and down last year.

Crude oil demand increased as did production, but production did not keep pace with demand and inventories declined. The price for West Texas Intermediate rose from \$70 per barrel in January to \$110 in the summer and closed the year at \$70.

Natural gas also had an up-and-down year going from \$3.815 on Jan. 1, 2022 to \$9.322 in June to \$3.988 on Jan. 1 this year.

EIA, IEA, and OPEC all believe global demand will increase this year about 1%, and Russia will have to seek different markets outside the EU for its energy exports. China and India have been key buyers.

On a final note, President Biden criticized the American oil industry – again – during his State of the Union address. His remarks were nothing new. The new part came when he went off his prepared remarks and said there is a movement to shut-down oil production and refining in the U.S., “but we are going to need oil for at least another decade.” The audience erupted in laughter at the irony of his comments. While his administration enacts policies to reduce oil production, President Biden believes in the need for oil in the future.

Natural gas had an extremely good year

Natural gas had an extremely good year in 2022.

Production in the United States set a record, and international and domestic markets continue to expand and show strength.

However, a new report from the Energy Information Administration (EIA) at the U.S. Department of Energy points out several challenges ahead.

Sustaining production growth depends on the continuous drilling of new wells because soon after production starts from new wells they begin to decline. “Stronger or weaker prospects for natural gas prices and resource development costs will affect production over time,” EIA said.

Natural gas prices in the U.S. were up and down in 2022 rising to a high of \$9 per million British thermal units (mmBtu) during the summer and declining 41% to an average of \$2.26 in January, according to EIA. EIA attributed the decline in price to a 15% decline in demand primarily due to warmer temperatures and an increase in inventories.

Exploration and production companies improved productivity over the years through many technological advancements, such as drilling longer horizontal segments of wells, drilling multiple wells from the same location, deploying new types of rigs, and optimizing well-spacing and locations.

The outlook for growing production during the next two years will depend on how well exploration and production companies can address inflation, labor needs, material and equipment shortages, access to capital, and the need of more transportation capacity from the wellhead to consumers.

The COVID-19 pandemic illustrates the effect of macroeconomic trends as demand declined during the outbreak in 2020 but recovered in 2021 and increased again in 2022 as industrial activity expanded, EIA stated.

Liquefied natural gas (LNG) international market made outstanding gains in 2022. U.S. LNG export facilities operated close to maximum utilization rates, averaging 87% in the first half of the year, and EIA expect they will continue to operate at high utilization rates through 2024.

“China’s continued economic recovery from the pandemic and Russia’s full-scale invasion of Ukraine are likely to keep international natural gas prices elevated relative to the United States, encouraging high and sustained levels of LNG exports,” EIA said.

EIA projects some competition from wind and solar as they add about 38 gigawatts (GW) – 23 GW of solar, 7 GW of wind, and 8 GW of battery storage - of new capacity from October 2022 to September 2023.

“We expect the new generating capacity to backfill retiring coal plants and displace some natural gas-fired generation,” EIA stated. “We forecast that a combination of solar photovoltaic and wind generation will account for 18% of U.S. generation in 2024, up from 16% this year.”

The deployment of natural gas combined-cycle gas turbine (CCGT) plants is slowing after decades of growth. Developers and project planners plan to add about 5 GW of new CCGT capacity in 2023, but after that, the number of confirmed new projects drops considerably.

Texas oil, gas: “Extraordinary increase in upstream productivity”

The oil and natural gas industry in Texas posted gains in employment, industry activity and production during 2022.

The Texas Petro Index (TPI), a fully inflation-adjusted tool for tracking growth rates and cycles in the Texas upstream oil and gas economy, increased 22.4% last year to 178.4 from 145.8 in 2021, according to petroleum economist Karr Ingham, who created and maintains the index.

“The expansion was spread across most indicators of upstream activity in Texas,” Ingham said.

He said the rise in oil prices, increases in the rig count and drilling permits, growing production for crude oil and natural gas, and growth in direct upstream oil and gas employment in Texas were major contributors to the increase in the TPI.

“Real (inflation-adjusted) crude oil prices were up by over 31% on average in 2022 compared to 2021, though the real December monthly average was up by only 1.2% year-over-year,” Ingham said. Oil averaged \$92.14 in 2022 compared to \$70.29 in 2021, according to TPI.

The Baker Hughes drilling rig count averaged 347 in Texas compared to 216 last year, an increase of 60.6%.

Drilling permits also increased last year rising 26% from 8,737 in 2021 to 11,047, according to the TPI report.

Production of crude oil and natural gas continued upward with natural gas setting a new volume record and crude oil coming close to a record, too.

“Estimated statewide crude oil production increased by 5.8% in 2022 to over 1.84 billion barrels for the year, second only to the 1.86 billion barrels produced in 2019,” Ingham said. “Daily production increased to some 5.24 million barrels in December, slowly on the rise but not yet returning to the record 5.45 million barrels per day in March 2020.”

“Texas natural gas production set a record for the second straight year at over 11.7 trillion cubic feet (TCF), an increase of 8.6% over the 2021 annual total of 10.8 TCF,” he said.

Ingham said nearly 22,100 direct upstream oil and gas jobs were added over the year, bringing the total to 195,600, the highest since March 2020, but still down compared to the previous cyclical peak of over 241,000 jobs in December 2018.

Ingham attributed the rise to an “extraordinary increase in upstream productivity.” He noted that the barrels of oil produced per upstream employees in Texas climbed from under 200 in 2008 to over 900 in 2020.

Inventories are up, prices are down

Energy prices have declined significantly since last summer, and it appears that trend will continue in the coming months.

Gasoline and diesel retail prices are down 33% since June, and the price of the natural gas spot price is off 70%.

One key to the price decline of gasoline and diesel is crude oil inventories, which are up 14% since December. The Energy Information Administration (EIA) reported an increase of 1.6 million barrels this week, bringing total inventories (excluding Strategic Petroleum Reserve) to 480 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.

West Texas Intermediate crude oil closed at \$77 on the New York Mercantile Exchange on Wednesday. EIA said the national average for retail gasoline was \$3.34 per gallon Wednesday.

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

“Relatively flat economic growth in 2023 results in total U.S. energy consumption falling by 0.9% in our forecast,” EIA stated. EIA said it assumed global GDP growth—based on forecasts from Oxford Economics—will average 1.8% in 2023. “We forecast that global liquid fuels consumption will increase 1% in 2023 (1.0 million b/d),” EIA said. “Petroleum consumption growth is driven by rising petroleum demand in China and India in both years (2023 and 2024).”

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 become 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.

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.

March 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	BOARD MEETING 7	8	9	NICHOLE HARNEY 10	11
12	13	14	MEMBERSHIP MEETING 15	16	GENEVA WOOD 17	JORDAN JACKSON 18
19	20	21	22	23	24	25
26	27	28	29	30	31	



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	28	29
30						

