

DESK AND DERRICK DATE-LINE

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

AUGUST 2023—VOLUME 73—ISSUE 8

“EIA Expects Crude Oil Prices To Rise”

By: Alex Mills

Yes, if you think retail gasoline prices have been somewhat stable this year, you would be correct.

The Energy Information Administration (EIA) at the U.S. Department of Energy noted the U.S. gasoline price has been between \$3.50 and \$3.75 for most of the time since Jan. 1. The average on July 10 was \$3.546.

The primary reason is crude oil prices have been constant, too, ranging from \$70 to \$75 per barrel.

However, EIA forecast this week a rise in oil prices during the remainder of this year.

“We forecast higher oil prices in the second half of 2023 and into 2024 on the back of moderate but persistent inventory draw-downs in our most recent Short-Term Energy Outlook,” EIA stated.

“Our forecast supports the Brent crude oil price rising to the mid-\$80 per barrel range by the end of 2024, up from the June 2023 average of \$75 per barrel. We forecast the West Texas Intermediate crude oil price will follow a similar path and maintain a \$5 per barrel discount to Brent,” EIA said.

The reasons for the expected rise in price are: (1) forecasters across the globe expect consumption and demand to increase, and (2) forecasters believe supply is declining and will continue to decline through the remainder of 2023.

“We have slightly increased our forecasts for world petroleum consumption in recent months, in contrast to our downward revisions in world petroleum production,” EIA stated in their Short-Term Energy Outlook issued on Wednesday.

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CLUB PURPOSE & MOTO

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 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



**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

August 2023

The heat is on! Can you believe these crazy record-breaking high temps we've been having? Of course you can—you're a Texan! You know what they say about Texas weather: If you don't like it—wait 5 minutes – it'll change. Hope you all have been able to endure and embrace the sizzling summer heat! A couple of tips to beat the heat: 1) Stay Cool, Stay Hydrated: With the mercury rising, it's crucial to keep yourselves cool and hydrated. 2) Embrace the Outdoors: Summer is the perfect time to soak up the sun and enjoy outdoor activities. I hope you find time to enjoy those beach trips or a walk in the park. Summer is also the time for everyone to plan those last-minute trips and getting ready for going back to school.

Speaking of going back to school— the Project Back to School Roundup was held on August 5th and was a huge success! The mission of Project Back to School is to improve the educational success of the disadvantaged children in our community by providing items needed for school, building their self-esteem, and improving their well-being. It was through the club's generous donation that they were able to achieve this goal of providing backpacks and school supplies to over 6,000 area children. A special 'Thank you' to **Ashley Pierce** for volunteering to work the Round-up and to the club for the generous support! There is no greater joy than seeing the faces of the kids (also the parents) as they come through the event, their smiles and giggles say it all.



**Volunteers: Ashley Pierce and
Sheila McGaughey**

Our Education Committee has received four names for our scholarship recipients from Dr. Jonathan Price with MSU Texas. They are Hannah Yip (Junior, Geosciences), Tameka Phillip (Junior, Geosciences), Indigo Burke (Junior, Geosciences) and Jamy Keaffer (Senior, Environmental Science). Congratulations to these students and I look forward to meeting them at our Industry Appreciation Luncheon.

The 71st ADDC Convention will be held September 20-24 in Albuquerque, New Mexico. The club has graciously awarded sponsorships for paid registration and a field trip to a couple of our members. Congratulations to **Debbie Hicks** of Cobra Oil and Gas Corp. and **Shirley Bridwell** of Bridwell Reporting & Consulting, I hope you both enjoy your time in Albuquerque! It's not too late to sign up, the deadline is August 8th. So, whether you are a seasoned attendee like Shirley (approximately 35+ conventions attended) or a first timer like Debbie, attending conventions is an unforgettable experience—each and every time! Best Wishes to **Barbara Pappas** on presiding as the ADDC President at Convention. I love to watch Barbara in action, she is dedicated and committed and is always working toward the betterment of the club and its members. I believe that this will be a great convention, bringing a smile to everyone's face and reigniting the joy that conventions bring.

Continued on next page

(Continued)

The 2024 ADDC Board Nominations are in and will be voted on during convention by **Rena Shaffer** as delegate and **Diana Walker** as alternate, the club is sending them informed but uninstructed.

Candidates for Slate of Officers 2024:

President-Elect—Katherine Martin—Lafayette Club, Southeast Region

Secretary—Kelli Hiltbrand, Tuscarawas Valley Club, Northeast Region

Treasurer—Sue Weaver—San Antonio Club, Southeast Region

These candidates will be joining Wendy Sparks, ADDC President 2024, Oklahoma City Club and Michelle Burgard—Central Region Director—Oklahoma City Club. Looks like 2024 is going to have a stellar committee.

Also, during our July membership meeting, **Barbara Pappas** informed us about some upcoming changes approved by the ADDC Board. They are currently working on changes to the website which include:

- A donation button on the website.
- Ability to register for conventions online.
- Educational webinars and training seminars from outside sources available online.
- Adding member identification numbers back to the membership directory.

As you can see the Association has been remarkably busy making changes that will benefit us all.

Our July program was presented by Carrie Anne Taylor with Echometer located in Wichita Falls. It was an excellent, highly informative meeting with only one little hiccup of a projector malfunction, but Ms. Taylor, being the professional that she is, never missed a beat. She explained to us the different tools manufactured by her company used for measuring and analyzing well performance data. To learn more about Echometer, please read **Rena Shaffer's** write-up in this bulletin. We topped off the meeting with a double bonus—she promised us a seminar in the Fall, and she won our 50/50 raffle!

Mark your calendars for our membership meeting on August 16th! Our speakers will be Ben Hoover and Grant Rogers of Hoover Rogers Law, LLP to talk to us about estate planning. Estate planning is essential for protecting assets, minimizing taxes, ensuring the well-being of loved ones, and providing individuals with control and peace of mind over their affairs. Join us to learn more about estate planning, setting up a will or trust; probating a will or setting up a medical directive, please bring all your questions and I'm sure they'll be more than happy to provide all the answers.

Here is your August excerpt from Alex Epstein's book Fossil Future: "Freedom is Fundamental: Why has the United States been the overwhelming source of innovation in oil and gas extraction, from the birth of the oil industry in 1859 to the fracking revolution that has turned once-useless rocks into vast supplies of life-giving low-cost energy? The reason is freedom—the freedom to own and develop underground minerals. In most countries around the world, the government claims ownership to everything below the surface of the earth—which means that if someone has an idea for a method of cost-effective oil exploration or drilling, they are not free to implement that idea on their own land or contract to try out on someone else's land. Instead, they must get the permission of the government—which, historically, is not forthcoming for new methods. Under U.S. law you are free to implement any method you identify for how to cost-effectively explore and drill for oil—so long as you persuade other free people to cooperate, from landowners to investors to employees. And if your idea produces value, you are free to keep and enjoy that value.

Hope you have a sun-kissed and unforgettable summer! Warmest regards,

Sheila McGaughey





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

AUGUST 2023

Board of Directors

PRESIDENT
Barbara Pappas
 Cobra Oil & Gas Corp.

I don't know about you, but I am a little tired of the heat wave we have been in since the beginning of July and now it is August. Please, someone turn up the air conditioning.

PRESIDENT ELECT
Wendy Sparks
 Carl E Gungoll Exploration

We are getting close to school starting. Please be extra careful about school zones. Watch out for the kiddos, they might be your next President of the United States. If you can spare some school supplies, I am sure the neighborhood school will be happy to take them.

SECRETARY
Jamie Sabata
 Gardner Cryogenics

Wendy Sparks will be our next ADDC President. As such, she will need all of us to step up and chair or be a rep on the ADDC Committees. Please check with her if you have a particular committee you want to work on next year.

TREASURER
Kathy Martin
 Acadian Ambulance Service, Inc.

In about 2 months we will be heading to Albuquerque, New Mexico to the Sandia Resort and Casino for the 71st Annual ADDC Convention and Educational Conference. This year's convention is being hosted by the West Region and Philana Thompson is the General Arrangements Chairman. The Registration Packet has been uploaded to the ADDC website. Check it out. August 28 is considered late registration so get yours in as soon as possible. The dates are September 20-24, 2023. By the way, business attire is what is suggested for the Business Meetings at Convention.

Please be sure to send your Convention Credentials Form to Keith Atkins and me by September 1, 2023. You need to send this form in even if you are not attending.

IMMEDIATE PAST PRESIDENT
Philana Thompson
 Merrion Oil & Gas Corp.

All, to save some money we will be having our ADDC Board Meeting via Zoom on September 16, 2023. If any of you have questions or concerns you want the ADDC Board of Directors to talk about, please send me the questions or your concerns no later than September 1, 2023. I will be glad to take your questions to the Board.

PARLIAMENTARIAN
Judi Adams

The Candidates for 2023 ADDC Officers are as follows:
 Kathy Martin, Lafayette Club, Southeast Region has been nominated for President Elect.
 Sue Weaver, San Antonio Club, Southeast Region has been nominated for Secretary.
 Kelli Hiltbrand, Tuscarawas Valley Club, Northeast Region has been nominated for Treasurer.
 All three are very capable of handling the office they are nominated for 2024.

CENTRAL REGION DIRECTOR
Val Williams

We are approaching the time that your club nominating committee will be calling to ask you to step up and serve your club. It is not a hard job, and if you need help with the task you step up to do, just ask someone. They will gladly help you out. Let's see if we can fill all the Club Board positions quickly.

NORTHEAST REGION DIRECTOR
Kelli Hiltbrand
 Sutton Pump & Supply

I thank every one of you for your attention these many months. We have 4 more months in 2023. Let's see if we can get to the finish line.

SOUTHEAST REGION DIRECTOR
Susan Miller

Have a fun August and don't get too hot!

WEST REGION DIRECTOR
Esther Greyeyes
 Merrion Oil & Gas Corp.

Val Williams



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

PRESIDENT

Philana Thompson

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.

August 2023

To: ADDC Membership

We have officially closed the door on the first half of the year! The Public Relations committee wrapped up the nominations for the DSA and SSA and I am excited to see who the recipients will be this year! The Nominating committee finished their search for our 2024 Association officers and the Regional Directors have emailed all club presidents with the slate of candidates for next year. Remember, nominations can come from the floor during our business session. The Rules committee sent out their letter, Rules of Convention, and a motion form to club presidents to disperse to the membership. These items can also be found on the website.

Everyone should have received the registration packet for the 2023 ADDC International Convention and Educational Conference in Albuquerque, New Mexico. Registration packets can also be found on the ADDC website, www.addc.org (News & Publications/"ADDCC News") and also can be found under the "Convention" link. Do NOT wait to send your registration in because the field trips have a limited number and you do not want to miss out on the field trip you want to participate in.

Registration Fee: \$250.00 for members (by August 28, 2023)

Late Registration Fee: \$275.00 for members (after August 28, 2023)

Hotel Reservations: 505-796-7500 or via the website:

<https://gettaroom.b4checkin.com/sandia/RLP/DESKANDDERRICKCLUBS>

Reservation Code: 9890 or mention ADDC

(All rooms are \$194.00 + tax for single, double, triple, or quad. Please make your reservations as soon as possible. The deadline for reservations is August 31, 2023.)

This past month the ADDC Board approved items in our monthly board meeting I would like to share with you:

- In order to streamline the financial reporting the ADDC Treasurer and the ADO perform each month, instead of two companies (Operations and Convention), the financial reporting will be one company (ADDCC) with four separate accounts (Operations Checking, Operations Money Market, Convention Checking, and Convention Money Market).
- The Board also approved the addition of a "Donate" button on the main page of the ADDC website. This will allow supporters to donate online and can choose who they want to donate to, whether it is a regional meeting or convention.

- Another item of business is allowing Convention registration and payment to be online via the main page of our website to members and guests. ***I will note, it will take a little time to get the online donations and Convention registrations set up on the website. I will let you know when we are up and running!***
- We also passed a motion to upload educational and training videos from outside sources. You will be able to login to the website and click on links to the videos. If you find a video you would like to share, please send the link to me.
- There is one more item the Board approved this past month. ADDC will start issuing membership ID numbers and cards again, this was stopped in 2019 due to the database being corrupted. You will be getting a new membership ID number. It has also been a few years since we had an ADDC membership handbook. I am currently working on updating this and hope to have it finished the first week of August. It will be uploaded onto the website for clubs to print off and give to new members.

I hope everyone will be able to make good use of the ADDC Business Card template that was recently sent out and can be found on the website. How did you like getting a direct email from the ADDC President? It was our first try at sending out a mass email to the membership. There will be more to come in the near future! If you did not get my email, please go to our website and update your contact information.

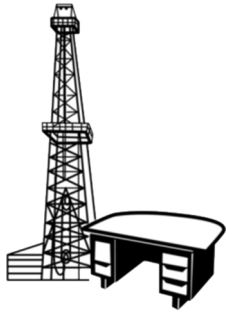
There are a few more items the Board would like to accomplish this year so we are working towards those goals. Please know the Board is listening to you, the membership. I have always said, everyone has a voice and everyone has a vote. I urge you to continue contacting your regional director or an ADDC board member with ideas to improve our organization!

In closing, the 2022 financials are being reviewed and we are getting closer to sending these to membership. The first quarter of 2023 financials are complete and are waiting on 2022 financials to be closed out before they are sent to membership. The 2023 Financial Review Committee is currently working on reviewing the second quarter of the 2023 financials. Our current membership number is 596. My goal is 650, so it is a little short. It would be nice if we could get 54 new members/prior members to join ADDC. There is still time left in the year and I am not giving up!

“A leadership mindset involves having certain attitudes, beliefs and expectations that create the foundation of who you are, how you lead others and how you interact with and influence your colleagues. ~ Dame Leadership

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

Echometer Company – Who We Are and What We Do

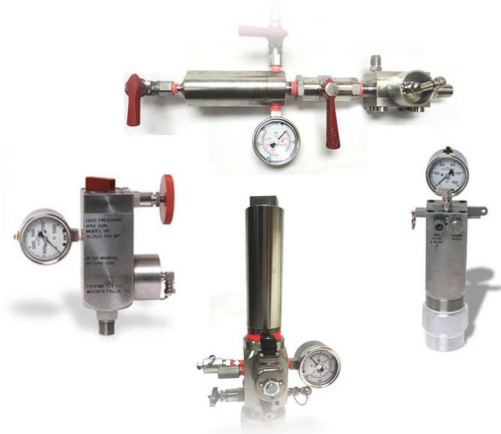
Presented by Carrie-Anne Taylor

Carrie-Anne Taylor gave us a brief history of Echometer Company. Jim McCoy owned Echometer and hired Carrie-Anne 18 years ago to run errands and keep the kitchen stocked. She did better than that! She earned a B.S. in Mechanical Engineering in 2009 and an MBA in 2021, both from Midwestern State University (MSU), where she was named the 2018 Distinguished Alumni for the College of Math, Science and Engineering. She has traveled the world teaching companies how to use Echometer equipment to optimize their oil and gas wells. She has also written and presented many technical papers at conferences throughout the artificial lift industry. Now Carrie-Anne serves as Vice President of Administration and Quality Assurance Manager. Way to go Carrie-Anne!

Echometer Company is a Texas-based corporation dedicated to supplying instruments, technology and training for analyzing and optimizing the performance of oil, water, and gas wells. They have been around for over 50 years supplying their products and training companies how to troubleshoot and optimize their wells. Mr. McCoy passed away in 2021 and Echometer is now an employee-owned company. Carrie-Anne stated that they have gone through a transitioning period and are proud to continue Jim's commitment to the company and to the community. In 2004, MSU approved a mechanical engineering program which is a rarity at a smaller institution. In 2018, MSU approved the naming of the McCoy College of Science, Mathematics and Engineering. What an honor.

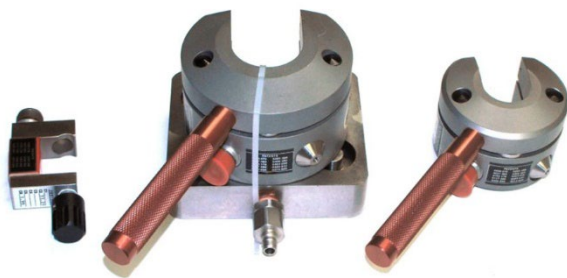
Echometer currently has 19 employees and a shop cat. Carrie-Anne and two others report to the board. They are dedicated to updating the market, working on training, and moving forward. One-third of their sales are international – Vietnam, Australia, Norway, and Scotland. U.S. locations are North Dakota, Utah, Pennsylvania, Houston, and Bakersfield, California. One member asked if they have training classes for their products. They are dedicated to training the companies that purchase their products, and the training is free. They offer in-person training seminars in various locations and will even make arrangements to go directly to the company needing training.

Carrie-Anne discussed what it means to shoot a fluid level. Fluid builds up and sets in the wellbore requiring artificial lift method to relieve pressure and have the well flow. A fluid shot gun is a tool that creates a sound wave down the annulus by using a burst of pressure from an inert gas, usually nitrogen. Once this force is applied, a sound recorder (part of the gun) measures the sound waves. Guns are 1500, 5000, and 15,000 psi. Echometer sells guns and software with lifetime customer support. One company sent her 150 shots and then called her to train them in analyzing the data.



Carrie-Anne also discussed the Polished Rod Transducer (PRD). It obtains dynamometer data

that is sufficiently accurate for most pumping unit analysis with a minimum of effort. The PRD is clamped to the polished rod below the carrier bar. It will gather load and position data that allows the calculation and determination of a surface dynamometer card, a pump card and traveling and standing valve tests. Data on the pump card should have a zero mechanical load below the pump on the downstroke when the traveling valve is open. The PRD is 1-1/4" x 2" x 5" and weighs 12 ounces. It can be easily



transported and installed on a well to obtain dynamometer analysis when using the portable Well Analyzer and software. A member asked if they design their own software. She informed us that a company near College Station assists them.

We enjoyed Carrie-Anne's presentation so much that we are working on a seminar at Echometer in the Fall when we finally get out of this heat wave. Stay tuned – we'll keep you informed.

Rena Shaffer - VP/Program Chair

CARRIE-ANNE TAYLOR
VICE PRESIDENT – ECHOMETER COMPANY
“ECHOMETER COMPANY – WHO WE ARE AND WHAT WE DO”



SHIRLEY BRIDWELL, DIANA WALKER,
DEBBIE HICKES, ASHLEY PIERCE



BARBARA PAPPAS, JORDAN JACKSON,
RENA SHAFFER, CECIL DUKE, TRACY FLYNN

AND HOW MANY D&D MEMBERS DOES IT TAKE TO MAKE A PROJECTOR WORK? THAT IS THE BIG QUESTION. WE STILL DIDN'T LET IT STOP US!





SEPTEMBER 20 - 24, 2023 | SANDIA RESORT & CASINO | ALBUQUERQUE, NM

PRESIDENT'S WELCOME LETTER



September 2023

Dear Desk and Derrick Members:

Welcome to Albuquerque, and the 71st Annual ADDC International Convention and Educational Conference! The West Region, led by General Arrangements Chairman, Philana Thompson, have put together a week filled with education, entertainment, networking, and camaraderie.

Wednesday, members and guests will have the opportunity to choose one of three field trips. One option is a trip to Santa Fe where you will visit the NM History Museum, Church of Loretto/DeVargas Home, and Audubon Center/Sanctuary. Another field trip offered is the Valles Caldera National Preserve, and the third choice is touring the NM Museum of Natural History & Science, UNM Geology and Meteorite Museum, National Museum of Nuclear Science and History, and a Team Building Adventure at The Escape Room.

Thursday, in addition to the certification class - Energy 101 (course is under the Energy Technician Certification and will cover renewable and non-renewable energy) being offered, we will be learning about ADDC 101 and AIMEEs 101 in seminars led by Evelyn Green and the Contest Committee, respectively. For those who wish to venture out, an alternate field trip is planned to the Sandia Peak Tramway where you will rise above Albuquerque, reaching the 10,378-foot crest of the Sandia Mountains in just 15 minutes! The adventure does not stop there because you will then visit the Casa Rondena Winery where you will be the “toast of the town”!

Friday night, the Icebreaker, will be hosted by the Grand Prairie club. This will be a great time to enjoy the evening and networking with one another.

We will be conducting business on Friday and Saturday. If you have any questions, comments, or suggestions, be sure to have them ready for the Open Forum. The Board and I will do our best to answer them for you. You will also be hearing from

industry speakers who are motivational and knowledgeable concerning the cutting edge of our industry technologies.

I hope you are ready for a busy weekend of education, entertainment, and networking in a special way that only New Mexico can provide. The West Region was able to squeeze in a little free time on Thursday so you can enjoy your time here in Albuquerque. This year, the host region is following a different format than in past years. We will not be having a Saturday night banquet, instead the Saturday afternoon luncheon will act as the banquet, so leave your “fancy duds at home.” This will allow the Convention to end early and you will be able to travel back home Saturday afternoon, if you wish. Most of all, I want to thank you for being an integral part of our great organization and participating in this annual time of Greater Knowledge – Greater Service.

Barbara Pappas
2023 ADDC President

Tentative Agenda

TUESDAY, SEPTEMBER 19, 2023

10:00 AM to 8:00 PM Registration/Hospitality/Club Sales

WEDNESDAY, SEPTEMBER 20, 2023

6:30 AM to 10:00 AM Registration/Hospitality/Club Sales

7:30 AM to 5:30 PM Field Trips 1,2,3

5:30 PM to 9:00 PM Registration/Hospitality/Club Sales

6:00 PM to 10:00 PM ADDC Educational Trust

THURSDAY, SEPTEMBER 21, 2023

6:30 AM to 9:00 PM Registration/Hospitality/Club Sales

8:00 AM to 3:00 PM Certification- Energy 101

8:00 AM to 3:00 PM Field Trip 4

8:30 AM to 10:00 AM Desk and Derrick 101 (Seminar 1)

10:30 AM to 12:00 PM Contest- AIMEE's 101 (Seminar 2)

5:30 PM to 6:30 PM President's & 1st Timer Social

FRIDAY, SEPTEMBER 22, 2023

6:30 AM to 7:45 AM Registration/Hospitality/Club Sales

8:00 AM to 8:30 AM Delegate & Alternate Check In

9:00 AM to 11:30 AM Business Meeting

11:30 AM to 12:00 PM Registration/Hospitality/Club Sales

12:00 PM to 1:30 PM Member Appreciation Luncheon

1:30 PM to 2:00 PM Registration/Hospitality/Club Sales

2:00 PM to 4:00 PM Business Meeting

4:30 PM to 6:00 PM Board & Club Photos

5:30 PM to 6:30 PM Registration/Hospitality/Club Sales

6:30 PM to 9:30 PM Ice Breaker

SATURDAY, SEPTEMBER 23, 2023

6:30 AM to 7:30 AM Registration/Hospitality/Club Sales

8:00 AM to 8:30 AM Delegate & Alternate Check In

9:00 AM to 11:30 AM Business Meeting

12:00 PM to 2:30 PM Luncheon Banquet

2:30 PM to 5:00 PM Registration/Hospitality/Club Sales

3:00 PM to 5:00 PM Post Convention Board Meeting

SUNDAY, SEPTEMBER 24, 2023

6:30 AM to 10:00 AM Hospitality

SANDIA RESORT & CASINO

The Pueblo of Sandia is a federally recognized Indian Tribe located in central New Mexico and adjacent to Albuquerque, the largest metropolitan area in New Mexico. The reservation covers 22,877 acres on the east side of the Rio Grande Valley. Sandia Pueblo is one of 19 pueblos located throughout New Mexico. The Sandia people are members of the pre-Columbian Tiwa language group who once dominated the Albuquerque area and their lineage can be traced back to the Aztec civilization who later migrated to the New Mexico region. The present site has been home to the Sandia people, where they have cultivated the land and raised their families, since 1300 AD. The Sandia Mountain provides the source of their spirituality as well as plants, animals and other resources which have been critical to their survival in this desert region. Once the largest pueblo in the area with over 3000 people, they currently have just under 500 members.

DATE: SEPTEMBER 17 - SEPTEMBER 24, 2023

ROOM RATE: \$194

RESERVATION DEADLINE: AUGUST 31, 2023

RESERVATION LINK: [HTTPS://GETTAROOM.B4CHECKIN.COM/SANDIA/RLP/DESKANDDERRICKCLUBS](https://gettaroom.b4checkin.com/sandia/rlp/deskandderrickclubs)

RESERVATION CODE: 9890 OR MENTION ADDC

AIRPORT SHUTTLE: FREE AIRPORT SHUTTLE

TUESDAY, SEPTEMBER 19 AND SUNDAY, SEPTEMBER 24
DEPARTING AT THE TOP OF THE HOUR THROUGH 8PM.

**If you are in need of transportation to and from airport 9/20-9/23
please email pthompson@merrion.bz for arrangements (free of charge).*

SANDIA RESORT & CASINO | 30 RAINBOW ROAD | ALBUQUERQUE, NM
505-796-7500 | RESERVATION CODE: 9890 OR MENTION ADDC

Field Trip #1 Geology of NM
Wednesday 9/20/2023



First Stop: Soda Dam, Jemez, NM

<https://www.atlasobscura.com/places/jemez-springs-soda-dam>



Second Stop: Valles Caldera Visitor Center

<https://www.nps.gov/vall/index.htm>



Third Stop & Lunch : Jemez Pueblo

<https://www.jemezpuablo.org/places/welcome-center/>

This field trip is approximately 300 miles round trip, but tons of beautiful and unique views and plenty of stops along the way!

Cost: \$85.00 Member & Non-Member (Lunch Provided).

Date: 9/20/2023

Time: 7:30AM-5:30PM



Fourth Stop: San Ysidro Geology Stop

Field Trip #2
Santa Fe
Wednesday 9/20/2023



First Stop: Santa Fe Plaza & Downtown

<https://www.santafe.org/visiting-santa-fe/neighborhoods/plaza-and-downtown/>

Second Stop: Canyon Road

<https://www.santafe.org/visiting-santa-fe/neighborhoods/canyon-road/>

Third Stop: Randall Davey Audubon Center/Sanctuary

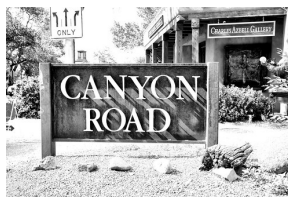
<https://randalldavey.audubon.org/>

Cost: \$95 Member and Non-Member

Lunch on Own

Date: 9/20/2023

Time: 7:30AM-5:30PM



Field Trip #3

Energy & Team Building

Wednesday 9/20/2023

Science & Tech Tour

We will visit the NM Museum of Natural History & Science, UNM Geology & Meteorite Museum and the National Museum of Nuclear Science!



Last Stop:

Time for some team building at Escape the Room! Escape The Room Albuquerque is a fun and challenging form of reality entertainment in which teams of people must attempt to escape a locked room or rooms in a specified amount of time by uncovering secret messages and solving puzzles.

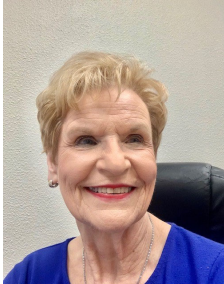


Cost: \$85 Member and Non-Member (Lunch Provided).

Date: 9/20/2023

Time: 7:30AM to 5:30PM

Seminar #1
Desk and Derrick 101
Presented By Evelyn Green; 2021 ADDC President
Thursday 9/21/2023



DESK AND DERRICK 101

What do you know about Desk and Derrick?
What do you expect from Desk and Derrick?
What have you received from your membership in Desk and Derrick?

These and many more items will be discussed during the seminar! There are many opportunities with Desk and Derrick. Who, What, When, Where and WHY?

It doesn't matter if you are a "newbie" to our wonderful organization, or if you have been in for 10, 20, 30 or even 40 years. There is always something to learn or to discuss. This will be a time to find and formulate new ideas, or how about revamping old ideas into new, exciting and wonderful ideas for our Association.



Perhaps there are some members that really have no idea about the story of Desk and Derrick – so maybe we can enlighten them. There might be some members who aren't sure about the positions in their clubs, the guidelines of Desk and Derrick, or about serving on one of the ADDC Committees or aspire to serve on the ADDC Board of Directors!

If you are new (less than 20 years in the organization), what do you think we can do to bring new members into our fold. Or do you want to learn the how's, the who's and why's?

Desk and Derrick 101! Where an idea or a discussion can be a part of the solution!

Being a part of the endless discussion would be valuable to you and your club. Let's formulate new and exciting ideas for all of our clubs to benefit. A true menagerie of expressing ideas, answering questions to look forward to the future!

Cost: Free

Date: 9/21/23

Time: 8:30AM to 10:00AM

Seminar #2
AIMEE's 101
Thursday 9/21/2023

You are invited to attend a **FREE** Seminar on Thursday , September 21st in Albuquerque, New Mexico, presented by the 2023 Contest Chair and Regional Representatives.

The Seminar is to help clarify many clubs' concerns, to help understand the Rules and Guidelines, exchange ideas about how your club can make your submissions for Contest, hopefully be the one that stands out with the Judges!

We also would like to discuss the current guidelines and how you as clubs/members would like to see them improved.

Cost: Free

Date: 9/21/2023

Time: 10:30AM-12:00PM



Certification Thursday 9/21/2023

Energy Technician Certification

The purpose of the Association of Desk and Derrick Clubs' (ADDC) certification program is to provide an educational program covering the subjects within the established curriculum at the annual ADDC convention and/or the annual regional meetings.

The Energy Technician track offered at this convention will be *Producing Energy 101* and will be presented on *Thursday, September 21, 2023*.

Topics covered:

⇒ Renewables

- ◆ Solar
- ◆ Wind
- ◆ Biomass
- ◆ Hydropower
- ◆ Geothermal
- ◆ Hydrogen

⇒ Non-Renewables

- ◆ Oil & Gas
- ◆ Coal/Peat
- ◆ Oil Sands
- ◆ Nuclear

Renewable and non-renewable energy sources

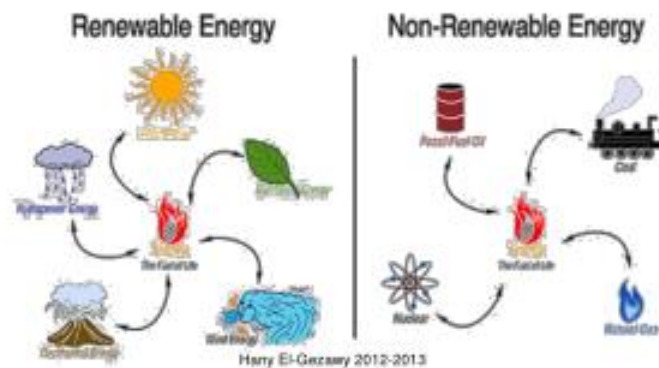


Photo Credit : creative commons

Presenters will be both virtual and in-person from many different and diverse backgrounds.

Cost: Members \$75.00, Non-Members \$125.00

Lunch will be provided and is included in the registration

Field Trip #4
Thursday 9/21/2023



Photo Credit: Dirt Road Travels |

First Stop: Sandia Peak Aerial Tramway
<https://sandiapeak.com/>



Photo Credit: Casa Rondena

Second Stop: Casa Rondena Winery & Lunch
<https://www.casarondena.com/winery/>

Cost: \$85 Members & Non-Member (Lunch Provided)

Date: 9/21/2023

Time: 8:00AM to 3:00PM

Ice Breaker Friday 9/22/2023

Come join us in the Sandia Ballroom to enjoy an interesting evening of fun, networking and great entertainment, hosted by the Grande Prairie Club!

Cash Bar and Music, Dinner Buffet Provided!

Cost: Included for member, Non-Member \$64.00

Date: 9/22/2023

Time: 6:30PM-9:30PM

Photo Credit: Jak+Flux

1 MAY
5 LTB941
NEW MEXICO

Member Appreciation Luncheon

Speaker

Friday 9/22/2023



NADIA KORPUS

MEMBER SINCE 1953 (70 YEARS)

Nadia was a charter member of the Grande Prairie Desk and Derrick Club. She was instrumental in organizing the club to be a part of the Association of Desk and Derrick Clubs. Nadia worked in Grande Prairie, Edmonton, and Calgary in the Oil and Gas Industry for many years.

Nadia will provide an inspirational and motivational speech concerning her years as a Desk and Derrick member, her passion for ADDC and our industry.

Energy Symposium

Friday 9/22/2023

To kick off, George Sharpe, with Merrion Oil & Gas will discuss the Math to Net Zero and how it Doesn't Add Up! Ryan Davis will then provide an overview of how we are adapting to the regulatory environment and agencies demands to reduce emissions by finding creative ways to meet those requirements with a new bit Crib Mining project at an active oil well. We will then close with Reed Page with Summit Corporation on how the bit coin mining project at the Merrion location converts to Bit Coin and how they make money in the mining process and how it ties to bitcoin.



George Sharpe spent 8 years with Chevron, primarily in reservoir positions. Worked East Painter in the Overthrust, the CO2 flood at Rangely, and was doing steam flood expansions in Bakersfield when the offer came to move home. He has been with Merrion ever since (1990), and has been managing the Investment group (A&D and development) since 1993. He is their chief deal maker, negotiator, candle stick maker.



Ryan Davis is the Operations Manager for Merrion Oil & Gas out of Farmington, NM. Ryan was born in Durango, CO but was raised in the Northwestern part of New Mexico. He received his bachelors of science in Mechanical Engineering from New Mexico Institute of Mining and Technology (New Mexico Tech).



Reed Page of Summit Corporation is an adventurous, entrepreneurial energy industry professional. He enjoys learning languages and meeting people from all over the world. His focus is on sustainable growth and team-building and strives daily to create a corporate culture that facilitates both.

Reed is also a mountaineer and climber, husband to a beautiful wife and father to three crazy little kids.

The symposium will be on Friday 9/22/2023 during the Friday Business Session.

ADDC Banquet Keynote Speaker

Saturday 9/23/2023



Daniel Turner is the Founder and Executive Director of Power The Future (PTF). After 20 years working in communications and public affairs he started PTF to advocate for rural energy communities in the power center of Washington, DC which makes those policy decisions which impact energy workers. Daniel is an expert in energy and environmental issues as they pertain to jobs, rural communities, the U.S. economy, international affairs, and our national security. His op-eds have been published in dozens of outlets and he is a regular guest on multiple programs on Fox News, Fox Business, Newsmax, and One America News Network. He has appeared on over 1500 radio programs.

Daniel lives on a working sheep farm in rural Virginia with his family and several dogs.

Club Sales

Please fill out the form below and return with your registration to reserve your table for club sales. A listing of all pre-registered club sales will be printed in program.

Region _____

Club _____

Contact _____

Description of items(s) for Club Sales

Proceeds benefit (i.e. program fund, scholarship fund, educational field trip, etc.)



2023 ADDC CONVENTION REGISTRATION FORM

(One form per person, non-members will use this form and check guest of)

REGISTRATION DETAILS

| |
|---|
| ADO Use Only |
| Emergency Form Attached _____ |
| Payment Processed/Deposited _____ |
| Scanned (copy to Treasurer & GAC) _____ |

| | | | |
|------------------------------------|-------------------------------------|--|---|
| Name: | Club: | | |
| Company: | Region: | | |
| Delegate: <input type="checkbox"/> | Alternate: <input type="checkbox"/> | First Convention: <input type="checkbox"/> | Guest: <input type="checkbox"/> Guest of: _____ |
| Phone: | Cell: | Email: | |
| Mailing Address: | City: | State: | Zip: |
| Current ADDC Position: | Past ADDC President (Year): | | |

Specific diet requirements (vegetarian, allergies, etc.) _____

REGISTRATION FEE

| Member | | | Non-Members | | |
|---|--------------------------|-----------|---|--------------------------|-----------|
| Registration Fee (Covers all business sessions, Industry & Recognition Luncheons and Banquet) | <input type="checkbox"/> | \$ 250.00 | Ice Breaker Luncheon Banquet | <input type="checkbox"/> | \$ 64.00 |
| | | | | <input type="checkbox"/> | \$ 77.00 |
| | | | | <input type="checkbox"/> | \$ |
| Late Registration Fee (Registration after 8/28/2023) | <input type="checkbox"/> | \$ 25.00 | Certification (Non-Member) | <input type="checkbox"/> | \$ 125.00 |
| Subtotal of Field Trips, Seminars & Certification | <input type="checkbox"/> | \$ | Subtotal of Field Trips & Seminars | <input type="checkbox"/> | \$ |
| Total | | \$ | Total | | \$ |

FIELD TRIPS, SEMINARS, CERTIFICATION

| | | | | | | | |
|--------------------------|-----------------|-----------|--------------------------|-----------------|-------------|--|--|
| <input type="checkbox"/> | Field Trip #1 | \$ 85.00 | <input type="checkbox"/> | Seminar #1 | \$ 0 | | |
| <input type="checkbox"/> | Field Trip #2 | \$ 95.00 | <input type="checkbox"/> | Seminar #2 | \$ 0 | | |
| <input type="checkbox"/> | Field Trip #3 | \$ 85.00 | <input type="checkbox"/> | Certification | \$ 75.00 | | |
| <input type="checkbox"/> | Field Trip #4 | \$ 85.00 | | | | | |
| | Subtotal | \$ | | Subtotal | \$ 0 | | |

REFUND AND RETURN CHECK POLICY

Full refunds on cancellations emailed/postmarked by **8/28/2023**, if funds are available. NO REFUNDS after **9/4/2023**. Returned Checks will be subject to a fee of **\$50.00**

PAYMENT: CHECKS PAYABLE TO: ADDC CONVENTION FUND

MAIL PAYMENT AND REGISTRATION FORMS TO: ADDC 5014 FM 1500 PARIS, TX 75460

| | | | |
|--|----|-----------------------|---------------------|
| <input type="checkbox"/> Check this box if payment is being made for multiple participants | | | |
| Check Amount: | \$ | Payor: | Payor Phone: |
| Check Number: | # | | |
| Payor email: | | Payor Address: | |
| <input type="checkbox"/> CREDIT CARD Payments: Send this form(s) via email to ado@addc.org and request to be invoiced via Square, a credit card fee will be added to the invoice. In case of cancellation, credit card processing fees will not be refunded. If paying for multiple members please check the box above and provide all registration forms for all attendees that are to be invoiced. DO NOT SEND Credit Card info in email. | | | |

**EMERGENCY INFORMATION & RELEASE FORM
ASSOCIATION OF DESK AND DERRICK CLUBS**

This form is to be completed by each person participating in association activities.
All information is confidential.

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 trips and/or special events is at my own risk and responsibility. The Association of Desk and Derrick Clubs assumes no liability.

| |
|-----------|
| SIGNATURE |
| CLUB NAME |
| DATE |

This signed release form must be received before departure of any field trip and/or special event. Please return signed release form with your registration form.

**Desk and Derrick Club of Wichita Falls
August 16, 2023**

Membership Meeting
The Forum, 2120 Speedway Avenue

Presiding: **Sheila McGaughey**
Stephens Engineering

Invocation: **Tracy Flynn**
Cobra Oil & Gas Corp.

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

Program: **Ben Hoover**
Grant Rogers
Hoover Rogers Law, LLP

“An Intro to Estate & Legacy Planning”

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, August 10

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

JULY 17, 2023 thru
JULY 27, 2023

Continuation from Cover

EIA expects China and India to lead the growth in consumption.

EIA also forecast production cuts from OPEC members and forecast higher petroleum consumption to lead to an average inventory drawdown of 0.4 million barrels per day (b/d) from July 2023 through the end of 2024.

On June 4, OPEC+ members agreed to extend crude oil production cuts through the end of 2024. The cuts had previously been set to expire at the end of 2023. Following the June 4 meeting, Saudi Arabia also announced a new voluntary oil production cut of 1.0 million b/d for July and August 2023. EOA estimates that Saudi Arabia produced 10.1 million b/d in June 2023, or about 10% of world petroleum and other liquid fuels production.

EIA forecast OPEC petroleum and other liquid fuels production will average 33.9 million b/d in 2024, down 1.2 million b/d from the group's 2022 peak of 35.1 million b/d in September of that year. These production cuts will keep total OPEC production below pre-pandemic five-year (2015–19) average levels of 36.2 million b/d and reduce OPEC's share of world consumption to 33% in 2024, down from the pre-pandemic average share of 37%.

EIA expects oil production in the U.S. to set a record in 2023. During the first four months, crude oil production has increased to an average of 12.5 million b/d. The yearly record was set in 2019 at 12.3 million b/d.

Natural gas becomes powerful energy source

Natural gas has blossomed into a dominate source of energy, supplying 41% of the energy to generate electricity across the U.S. and in many parts of the world.

Just 50 years ago, the federal government restricted the transportation and usage of natural gas through price controls. The policies resulted in shortages on the interstate markets even though there were plenty of supplies in states that produced natural gas.

The advocates for free markets won many political and legal battles through the years, and natural gas has become the fuel of the future.

Natural gas production in the U.S. has increased for 23 consecutive months as electric power distribution and liquefied natural gas (LNG) exports continued to rise.

Continue.....

Continuation..

U.S. dry natural gas production in February averaged 101.5 billion cubic feet per day (Bcf/d), which is 7 Bcf/d (7.4%) higher than the same period in 2022, “the highest level for any month since 1973 when we began tracking dry natural gas production,” according to the Energy Information Administration (EIA).

EIA also noted gross withdrawals of 123.1 Bcf/d, which is a 6.8% increase over last year of 115.3 Bcf/d, and it is the “highest daily rate of gross withdrawals for any month since 1980, the earliest year in this data set.”

Consumption of natural gas for electric power increased 7% over February 2022.

The U.S. exported 20.6 Bcf/d of natural gas to 25 countries in February exceeding imports of 8.7 Bcf/d making the U.S. a net exporter.

Many of the European countries are importers of natural gas from the U.S. because they have sanctioned natural gas imports from Russia since the attempted invasion of Ukraine.

A lot of those imports come from the Gulf Coast of Texas and from natural gas produced in the Permian Basin of West Texas and Southwest New Mexico and the Haynesville of East Texas and North Louisiana.

Production in both areas has increased dramatically since the Covid pandemic.

In the Permian Basin, natural gas produced with oil production, which is called associated gas, has been prolific and some wells have had a gas-to-oil ration as high as 3,000 Mcf to 1 barrel of oil. There is very little spare processing and pipeline capacity to process and transport the 15.9 Bcf/d of natural gas to the Gulf Coast.

The oversupply caused natural gas prices in the Permian to drop into negative territory on several occasions earlier this year.

However, 17 processing plants with a combined capacity of 2 Bcf/d were scheduled to be added this year.

EIA says dry natural gas from the Haynesville shale play in east Texas and western Louisiana reached new highs in March 2023, averaging 14.5 Bcf/d, 10% more than the 2022 annual average of 13.1 Bcf/d, according to data from Enverus. Haynesville natural gas production currently accounts for about 14% of all U.S. dry natural gas production.

Oil prices drop 20%, expenditures rise 26%

EDITOR'S NOTE: As publicly traded oil and gas companies begin reporting their second quarter financials, the Energy Information Administration released this week its financial analysis of first quarter 2023 of 40 exploration and production companies, which produced 31% (4 million barrels per day) of the oil in the U.S. It does not include the smaller, privately held companies. Below is EIA's analysis.

Crude oil prices have weakened since 2022 but remain relatively strong, which enhances cash flow as production in the U.S. sets records.

The West Texas Intermediate (WTI) crude oil price averaged \$75.96 per barrel in first quarter of 2023, a 20% (\$19.21) decrease compared with first quarter 2022 and an 8% (\$6.72) decrease compared with fourth quarter 2022.

Higher production resulted in cash from operations increasing 13% (\$3.0 billion) compared with first quarter of 2022. Oil production nationwide has increased 1 million barrels per day in April (12.6 million barrels per day) compared to April 2022 (11.6 million barrels per day).

Capital expenditure in first quarter 2023 increased 26% (\$3.5 billion) compared with first quarter 2022 to \$16.7 billion and increased 12% (\$1.8 billion) compared with fourth quarter 2022. Higher capital expenditure supported production increasing 9% (338,000 b/d) in first quarter 2023 from first quarter 2022 and 1% (59,000 b/d) from fourth quarter 2022.

Also, capital expenditures as a share of cash from operations increased to 64%, the highest percentage since the beginning of the pandemic. This share remains below the quarterly average of 104% in the period before the pandemic (2018–19). Historically, the ratio of capital expenditure to cash from operations has been greater than 100%, reflecting the capital-intensive nature of E&P as well as the need for outside sources of capital to fund drilling projects.

Production expenses, reflecting the cost of goods sold, operating expenses, and production taxes, declined 14% from fourth quarter 2022 to \$27.19 per barrel of oil equivalent (BOE) in first quarter 2023. Compared with 2Q22, production expenses have decreased 28%.

Debt reduction, which the E&P companies allocated \$39.7 billion toward between fourth quarter 2020 and third quarter 2022, has reduced long-term debt 30% below the 2018–19 average.

Shareholder returns, in the form of share repurchases and dividends, accounted for the remainder of the uses of cash in the quarter. Shareholder distributions decreased 32% from fourth quarter to \$11.8 billion in first quarter 2023 but remain elevated as a share of cash from operations. Net share repurchases decreased 45% from fourth quarter 2022 to \$5.5 billion, and dividends decreased 16% to \$6.3 billion.

Cost of goods sold, which includes the cost of materials and labor directly used in production, has been the main driver of production cost increases because of supply chain constraints in 2022. Although the cost of goods sold has declined by 39% from 2Q22 to \$13.80/BOE in 1Q23, it remains 62% (\$5.26/BOE) above the 2018–19 average of \$8.54/BOE.

August 2023

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---------------------|-----|-----|---|-----|-----|-----|
| | | 1 | BOARD MEETING 2 | 3 | 4 | 5 |
| DORIS STERLING 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | MEMBERSHIP MEETING 16 1ST DAY OF SCHOOL | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

September 2023

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|----------------|--------------------|-----------------------------|-----|-----|-------------------|
| | | | | | 1 | 2 |
| 3 | LABOR DAY 4 | BOARD MEETING 5 | 6 | 7 | 8 | TRACY FLYNN 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | FALL BEGINS 23 |
| 24 | 25 | 26 | 2023 ADDC CONVENTION | | 29 | 30 |
| | | | MEMBERSHIP MEETING 27 | 28 | | |

