DESK AND DERRICK DATE-LINE

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

JUNE 2023—VOLUME 73—ISSUE 6

ANNUAL GOLF TOURNAMENT

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SEE PAGE 11 FOR THE WINNERS

OUR 2023 DESK AND DERRICK GOLF TOURNAMENT WAS A GREAT SUCCESS. WE HAD VERY GOOD PARTICIPATION (27 TEAMS). THIS WAS THE FIRST YEAR THAT WE TOOK DEBIT AND CREDIT CARDS AS TENDER, AND WE HAD SEVERAL TEAMS THAT USED THE NEW SERVICE. WE ALSO HAD MORE WOMEN THAN EVER PLAY IN THE TOURNAMENT.

FOURTEEN (14) LADIES PLAYED INCLUDING SOME OF OUR OWN MEMBERS. RENA SHAFFER, JORDAN MOSS AND BROOKE LUXTON WERE ALL SWINGING AND PUTTING AWAY.

A BIG THANK YOU TO ALL OUR COMMITTEE MEMBERS AS WELL AS OTHER MEMBERS THAT STEPPED UP TO HELP.

VICKIE YOUNG & TRACY FLYNN

CO-CHAIRMAN



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



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

EDITOR INFORMATION

NICHOLE HARNEY

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PO BOX 8206

WICHITA FALLS, TX 76307

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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

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Stephens Engineering

Vice President Rena Shaffer

Eagle Oil & Gas

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Stephens Engineering

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Bridwell Reporting &

Consulting

Immediate Past President Nichole Harney

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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

June 2023

Welcome June—a very fun month that transitions us from Spring to Summer. I love Summer! It is the end of the school year and the beginning of Summer vacation! Long sunny days, starry summer nights, beach visits, outdoor barbeques, working in the flower beds and big glasses of sweet tea. What's there not to love about June? Hope your Summer is everything you want it to be and you reap all the fun and excitement that comes with it.

The month of May was such a whirlwind for our club, it was full of activity and kept us all on our toes, but it was "awesome"! It was an honor for our club to assist the Southwest Section of American Association of Petroleum Geologists (AAPG) and the North Texas Geological Society (NTGS) with their 2023 Convention. It was held May 6th through 9th, and it is always great to see the old familiar faces and meet a few new ones along the way. It was a busy weekend for sure. We had a boot-scootin' time at the Western Night—Mavericks Rib Feed on Monday night. The ribs were delicious as always, and to top off the event we had hors d'oeuvres of red tacos from Casa Manana and cupcakes from Ganache To-Go. Volunteers were: Shirley Bridwell, Cecil Duke, Tracy Flynn, Nichole Harney, Lauren Martin, Casie Mass, Sheila McGaughey, Jordan Moss, Barbara Pappas, Rena Shaffer, Doris Sterling, Diana Walker, Nelva White and Vickie Young. I will pass along a big 'THANK YOU' to each of you from the AAPG, NTGS and myself for all the countless hours spent in planning and organizing, working registration, taking meal tickets, decorating, and providing a beautiful smile and Texas-sized welcome to everyone that attended!

Everyone loves the Desk and Derrick Golf Tournament! It doesn't matter if it's rain or shine—it is always a great time! The players started swinging away at 9:00 am on Friday, May 19th. We appreciate all the members, players, and sponsors whose presence and participation helped to make this year's event a great success. Their participation in this tournament helped us raise funds for our scholarships and makes a real difference in the lives of those students who benefit from the scholarships. It was a beautiful day on



Standing: Vickie Young, Rena Shaffer, Shirley Bridwell, Annaliese Hancock, Jordan Moss, and Debbie Hicks.

Seated: Nelva White, Tracy Flynn and Sheila McGaughey

the greens with our fellow oil and gas friends!

Here is a little golf lingo to brighten your day:

"Mulligan" - A do-over shot that is not counted against your score.

"Sandbagger" - A player who intentionally plays poorly in order to lower their handicap and gain an advantage in future games.



Annaliese Hancock and Casie Mass

(Continued)

"Caddie Shack" - A term used to describe the area where caddies gather and wait for their next assignment.

"Gimme" - A putt that is so close to the hole that it is considered a guaranteed score and is not required to be putted.

"Hacker" - A player who is not very skilled at golf and often hits the ball in a wild and unpredictable manner.

"Lip Out" - A putt that hits the edge of the hole and bounces out instead of going in.

"Texas Wedge" - Using a putter to hit the ball from the green instead of using a wedge.

I have to throw in one golf joke.... "Golf is a game in which you yell "fore", shoot six and write down five." -Paul Harvey

Ok, finally, the secret is out....during our Central Meeting a few members were recognized for their years of service in the association. Congratulations to: **Jordan Jackson**—5 years; **Brooke Luxton**—5 years; and **Casie Mass**—5 years. Congratulations— We appreciate your service and many talents that you give to our club. Here are the AIMEE (Achievement in Maintaining Energy Excellence) winners from the Central Region Meeting —drum roll please.....

1st Place—Best Large Bulletin—October 2022—Jordan Jackson, Editor

1st Place—Best Industry Article— "MSU Centennial Celebration"—Sheila McGaughey

<u>1st Place</u>—Best Desk and Derrick Article— "Ice Breaker Forges New Friendships"—Jordan Jackson

<u>1st Place</u>—Best Industry Program— "Oil and Gas Going to the Dogs: Sniffing Out Pipeline Leaks"—Dwayne Farris, Speaker and **Sheila McGaughey**, Author

<u>2nd Place</u>—Best Desk and Derrick Program— "Learn More About Desk and Derrick, the Industry and You"—Rena Shaffer and Diana Walker

<u>1st Place</u>—Best Industry Seminar— "Leaving a Legacy: A Guide to Life and Legacy Planning"—Ben Hoover and Grant Rogers, Speakers and **Sheila McGaughey**, Author

<u>1st Place</u>—Best Industry Field Trip— "Exploring the Field of Natural Gas and What It Takes to Move It"—**Barbara Pappas**, Author.

Congratulations to everyone! It's always so much fun to compete in the awards presentation, whether we place or not, it is a memorable and fulfilling experience that brings a sense of joy and accomplishment, plus it is always fun to cheer on the other clubs, Wichita Falls is usually the loudest! If you would like to write an article for the bulletin and possibly have it judged next year, please submit it to **Nichole Harney**, she is always looking for information and articles for the bulletin.

Here is your June excerpt from Alex Epstein's book <u>Fossil Future</u>: "Over long spans of time, our climate changes dramatically without human impacts. Some twelve thousand years ago humans lived in an ice age, with up to two miles of ice covering what is now Canada. Just twenty thousand years ago sea levels were 300 feet lower than they are today. Local climate changes can happen very quickly, even without human impact."

May June bring you joy, happiness, love and lots of sunshine!

Sheila McGaughey

FOSSIL FUELS * FREEDOM * ENERGY INDEPENDENCE



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

Board of Directors

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

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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.

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

SOUTHEAST REGION DIRECTOR Susan Miller

WEST REGION DIRECTOR Esther Greyeyes Merrion Oil & Gas Corp. June 2023

Greetings Central Region Members,

WOW, the Central Region Meeting was a success. The Butler County Club did an excellent job and I want everyone to know that they gave it all for this 5th Annual Central Region Meeting. Thank you Butler County Club I am indebted to you for your wonderful organization and the food was outstanding. Friday afternoon we toured the Kansas Oil Museum and then toured the PK Industries facility. Friday night we all became Picasso's and painted a Sunflower. Saturday morning was the business meeting and the Awards' Luncheon followed. We said our good-byes to one another about 3:00 pm and were on our way home.

We will have Michelle Burgard of the Oklahoma City Desk and Derrick Club as our 2024 Central Region Director. Michelle will do an excellent job and if you don't know her, you should come to the ADDC Convention in Albuquerque, NM in September and meet her.

Congratulations to the Region AIMEE winners as follows: Bulletin Category

Best Large Bulletin – Wichita Falls Club – Jordan Campagna Jackson, Editor Best Industry Article – Wichita Falls Club – Sheila McGaughey Best President's Letter – Tulsa Club – Barbara McCandless Best Desk and Derrick Article – Wichita Falls Club – Jordan Campagna Jackson

Program Category

Best Industry Program – Wichita Falls Club – Sheila McGaughey

Best Desk and Derrick Program – Tulsa Club – Gay Wheeler, Vicki Barnes, Betty

Hodge, Barbara McCandless, Jill Klein, Jody Dixon, and Sarah Jones

Best Industry Seminar – Wichita Falls Club – Sheila McGaughey

Best Industry Field Trip – Wichita Falls Club – Barbara Pappas

Best Industry Photograph - Liberal Club - Jamie Sabata

The 2023 ADDC Nominating Committee is looking for Officers for next year. Keith Atkins, Chairman, has sent a letter to all Club President's. The deadline is Friday, June 30, 2023. The Committee is looking for a member to be President Elect, Secretary, and Treasurer for the 2024 ADDC Board of Directors. The letter and forms required are posted on the ADDC website.

The Lone Star Desk and Derrick Club is hosting their June 19, 2023, meeting at 7:00 pm. The speaker is Lorena Galindez, and she is the Completion Performance Manager at Intelligent Wellhead Systems. This will be an in-person or Zoom meeting. Please contact Buffie Campbell, Club President at buffieecampbell@gmail.com or Pat Blanford at pat.blanford@sbcglobal.net for more information.

I am reminding you to post your Club Meetings, other events, and Club information on the Central Region Facebook page.

Until next month,

Val



Board of Directors

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

PRESIDENT ELECT
Wendy Sparks
Carl E Gungoll Exploration

SECRETARY **Jamie Sabata**Gardner Cryogenics

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Esther Greyeyes
Merrion Oil & Gas Corp.

Barbara Pappas
2023 ADDC President
5244 Sunnybrook Lane
Wichita Falls, TX 76310
940-781-9888 (cell) or 940-716-5103 (work)
bpappas1@ymail.com or
Barbara@cobraogc.com

June 2023

To: ADDC Membership

All the Regional meetings are completed and the 2024 Region Director-Elects have been elected. Congratulations go the following individuals who have stepped up to serve on the ADDC Board next year.

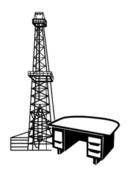
Central Region – Michelle Burgard, Oklahoma City Club Northeast Region – Shelly Hildebrant, Tri-State Club Southeast Region – Angela "Angie" Corvers, Baton Rouge Club West Region – Heather Woods, Farmington Club

Nominations for the 2024 ADDC Board are due by <u>June 30, 2023</u>, to Keith Atkins at <u>Keith.Atkins@murphyusa.com</u>. Elections for President-Elect, Treasurer, and Secretary are open to members who are or have been a Regional Director. If you have ever thought about serving on the Board, now is the time! If you are not sure or just have questions before putting your name in the hat, please feel free to contact me or anyone else on the Board. Being a part of the ADDC Board allows you to learn more about the Association and helps you to grow as an individual in your career/personal life as well.

As the year progresses, we are coming closer to our Annual International Convention and Educational Conference in September. Registration packets will be sent out and can be found on the ADDC website, www.addc.org. I welcome everyone to attend, whether you have been many years or this is your first time to attend a Convention, it will be an experience you will not soon forget. This is the time for our Association to educate and collaborate with members and offer industry speakers to enlighten us on different aspects of energy, and to network with others.

"Leadership rests not only upon ability, not only upon capacity, having the capacity to lead is not enough. Leaders must be willing to use it. Their leadership is then based on truth and character. There must be truth in the purpose and will power in the character." — Vince Lombardi

Greater Knowledge ~ Greater Service



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.

ast Name	e:				Club:		Region:	
First Name	e:		MI:		Submission Type:	☐ Renew	al	☐ New Member
Gender:					Member Type:	☐ Profess	sional	☐ Student
Company Name:				-	Preferred Mailing	Address:	Home	☐ Office
ob Title: _				Secondary Address:				
Preferred .	Address:			-	City:		St	ate:
City:		State:		Country:			Zip:	
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Corporate	Contribution:	Amount			Local	Regional	☐ A:	ssociation
· Make c	+Region+Cl hecks paya		a Falls, TX			Payment a Diana Walk %Stephens P.O. Box 2 Wichita Fa	ker s Engi 2249	
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:		Renewal	☐ New Member	
Gender:	Member Type:		☐ Professiona	I ☐ Student			
Company Name:		Preferred Mailing A		ddress: 🛮 Hom	e 🛮 Office		
Job Title:			Secondary Address:State:				
Preferred Address:							
City:	:	Country: Zip:					
Country:	Zip	:	Home Phone: Cell Phone: Secondary Email:				
Office Phone:							
Primary Email:							
Age: □ 21-30	□ 31-40	1 41-50	☐ 51-60	□ 61-7	70 🛮 71-	-80 🛮 80+	
Dues: \$20.00 (Student)		Ser	nd Paym	ent and For	m to:	
(ADDC+Region			Diana Walker				
(ADDOTREGION	TOIUD)		% Stephens Engineering				
				% 30	epnens Engi	neering	
Make Checks P	ayable to:		P.O. Box 2249				
Desk and Derric	Wichita Falls, TX 76307-2249						
Release Name: For purpos	ses of membership	recruiting, I authoriz	e the Associatio	n of Desk a	nd Derrick Clubs	to release my name as	
part of a list of ADDC mem	Release N	Name?	☐ Yes	□ No			
Signed_			Date:				

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

1st Flight



1st Place Genesis Wireline

Josh Harmon,
Jordan LeVasseur,
Doug Thompson,
Logan Baker

2nd Place ABB Oil

Robert Stahler,
Bryce Berryman,
Charlie Smith,
Lee Heaton





3rd Place Genesis P&A

Brooke Luxton,

Wes Luxton,

Robert Ernst

Alex Travelstead (not pictured)

2nd Flight



1st Place KALCO

Tim Watts,

Carter Ayers,

David Kulbeth,

Robert Contreras

2nd Place ServPro

Gage Johnson,

Joshua Eastman,

John Kidwell





3rd Place Echometer

Derrick Wuthrich,

John Bennett,

Jimmy Goolsby

Mark Wuthrich

Winners

Closest to the Pin



Brady Rusk—Quasar



Angela Clark —Par Tee Time

Longest Drive



Tanner Jenkins—
McCarty Equipment



Shay Boggeman— Strokes of Luck













Thank you to our players, sponsors and members for another successful tournament!



RENA SHAFFER



JORDAN MOSS



BROOKE LUXTON





D & D 2023









Thank you!

The Desk and Derrick Club of Wichita Falls wants to express their sincere gratitude to all the sponsors for their generous support of our Annual Desk and Derrick Golf Tournament. Your contribution and support has made a significant impact on our ability to provide scholarships to qualifying MSU students and providing backpacks to children in our local school district.

BREAKFAST

Sponsored by Mataska Roofing

LUNCH

Sponsored by First Bank

DONATIONS

Oil Reports by Jordan *
Muirfield Exploration

Harvest Drug and Gift
Wells Fargo



Sponsors

Platinum Sponsors—\$1000

Cobra Oil & Gas Corporation Quasar Energy Services, Inc.

Gold Sponsors—\$500

Burk Royalty Co., Ltd.

Genesis P & A Services, LLC

Holli-Tex Supply

Prosperity Bank

Genesis Wireline

Silver Sponsors—\$250

Burns Ranch

Delta Oil & Gas

Hupp, Bauer, Hanson & Lewis

Royal Energy Services LLC

Stephens Engineering

Cooper Oil & Gas, LLC

Drake Oil & Gas

LLP Lindemann Drlg, Inc.

Rusk Production Corp.

Texoma Oil Tools, Inc.

Tee Box Sponsors—\$150

ABB Oil Co.

Bell Lease Signs

Cactus Oil Tools, Inc.

DynaEnergetics

Echo Production, Inc.

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Ridge Oil Company

Turner Country Properties

Bridwell Reporting & Consulting, LLC

Fred Brewer Sales, Inc.

Gunn Oil Company

Landmark Title Company

North Texas Geological Society

Texas Roadhouse

MyStaff

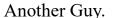
Union Square Credit Union

Surveying in Texas

Devin Smith is a Civil Engineer and a member of the National Society of Professional Engineers, Texas Society of Professional Engineers and Texas Society of Professional Surveyors. He has over 27 years of engineering and surveying experience and is President of Corlett, Probst and Boyd, PLLC (CPB). CPB was founded in 1922 by Ross Corlett, Sr. and has provided service for 100 years! CPB was honored by Midwestern State University this past year as a "Builder of Wichita Falls". Mr. Smith became a partner of the firm in 2016 and became the sole owner and President last year. He works with his wife, Jennifer and their son Jake, along with 20 other incredible people.

Mr. Smith showed a 1963 clipping from the Wichita Falls Times announcing our January Desk and Derrick meeting, which was presented by Gene Probst, Jr., who was a partner, civil engineer and surveyor at CBP from 1955 until his retirement in 2001. His program was titled "History of Texas Land". Sixty years later we were fortunate to have Mr. Smith speak to our club on "Surveying in Texas".

Land surveying has been used for the taxation of land since 1400 BC. Surveying defined our land, habitation and prosperity. Many of our forefathers began their careers as land surveyors. Because Washington, Jefferson and Lincoln started out as surveyors, Mt. Rushmore is often jokingly referred to as the Three Surveyors and





The General Land Office (GLO) is the oldest state agency in Texas and was formed to determine who



owned what land and where it was located after winning our independence. Methods of surveying included units of measurements such as "a cigarette's length" or "half

a day's walk". Surveying crews spent weeks away from civilization, traveling in horse-drawn wagons, determining boundaries. Stone piling was used to mark an original patent corner in the 1800's because that was one of the few resources available, and many of these still exist. Iron rods with caps, flagging, lathes and t-posts are used today.



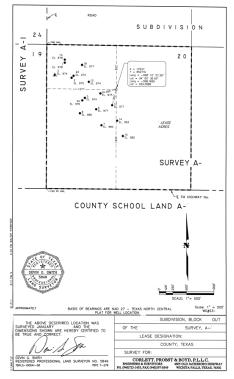
In the early 1900's, geological formation mapping began in the Texas Panhandle.



Discovery of oil changed the landscape and the future of our area forever. Ross Corlett, Sr., founder of CPB, surveyed oil fields in Burkburnett in the 1920's. CPB provides this surveying service to oil and gas companies. The Texas Railroad Commission requires a plat be submitted prior to a new well location. This

information is provided to determine that proper distances are maintained between adjacent wells,

lease lines and even property lines. This work begins by determining the lease description provided by the person/company ordering the plat is correct. Metes and bounds, and field notes refer to original land survey patents, adjacent leases and/or property ownership. They then perform research to determine if they have experience or previous surveys in that area. They use satellites, GPS and Texas State Plain Coordinates. They identify all of the lease information on the ground – iron rods or original stone mounds – where a survey line has been marked. There are times that locations are adjusted in the field because of obstructions, such as water, terrain and



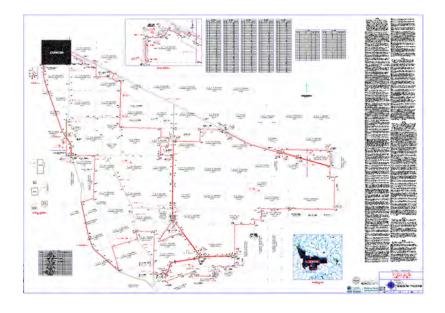
other existing locations. The Schonstedt Instrument is used to locate underground survey markers. Once a monument has been located, they use a GPS receiver that

connects via a satellite using triangulation that connects to a receiver. A triangulation station for all of the counties in and around Wichita Falls is located at their CPB office. Many surveying and engineering companies that use triangulation, use their receiver. Once all the lines and locations have been determined, this information is uploaded to their system and drafting begins in the office. After the design professional has completed their drawing and it is approved by a surveyor, it is delivered to the customer to be included with the well application for drilling.



This map is an example that is available to the public from the Texas Railroad Commission's website. This area shows the dry, plugged and permitted wells around the CPB office on Jacksboro Highway and Kickapoo Airport. CPB stake oil wells all over the state of Texas, provide residential and commercial surveys for land transactions and civil engineering for development, design water and utility systems for municipalities, and

construction staking all over the state. They even surveyed over one million acres of West Texas ranch land in the last 20 years.



Some of our area projects surveyed by CPB are the Jasper and Cypress Water Treatment Plants, the water reuse line to Lake Arrowhead, the Maplewood and Taft street expansions and the Wichita Falls Regional Airport, parking lots at MSU, Priddy Outdoor Pavilion at the Wichita Falls Museum of Art and the construction of

the Dillard College, Emergency Action Plan for the Sikes Dam and the hydrologic surveying to determine the change in the volume of the lake.





We are very proud to have a local business that does so much for our community's growth to be thriving for 100 years!!



Submitted by Rena Shaffer

MAY MEMBERSHIP MEETING

"SURVEYING IN TEXAS"

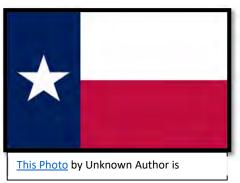
PRESENTED BY: DEVIN SMITH

PRESIDENT OF CORLETT, PROBST & BOYD











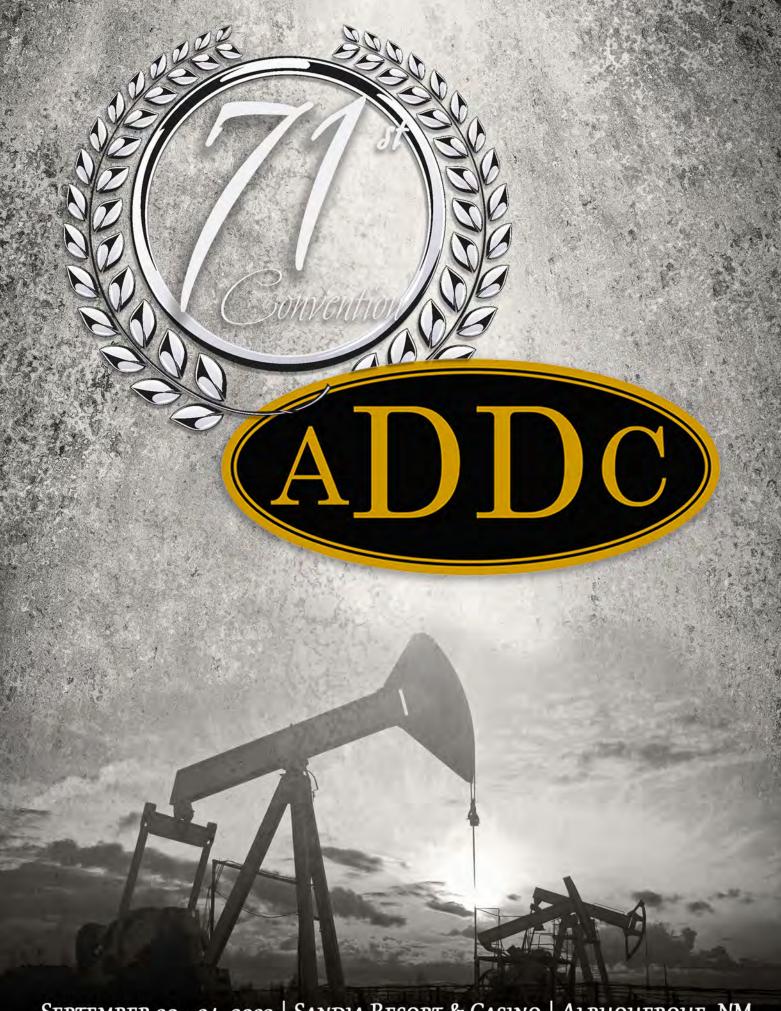








BIG WINNERS
BARBARA PAPPAS – EARRINGS
DEBBIE HICKS 50/50



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

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.jemezpueblo.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









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/



Lunch on Own

Date: 9/20/2023

Time: 7:30AM-5:30PM







Photo Credit: creative commons

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

Photo Credit: creative commons

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:

- \Rightarrow Renewables
 - Solar
 - Wind
 - ♦ Biomass
 - ♦ Hydropower
 - Geothermal
 - ♦ Hydrogen
- ⇒ Non-Renewables
 - Oil & Gas
 - Coal/Peat
 - Oil Sands
 - Nuclear

Renewable and non-renewable energy sources

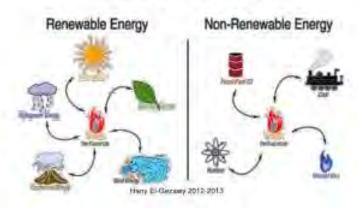


Photo Credit: creative commons

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/

Second Stop: Casa Rondena Winery & Lunch

https://www.casarondena.com/winery/



Photo Credit: Casa Rondena

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



LAND OF ENC

Land of Ench

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 adap ng to the regulatory environment and agencies demands to reduce emissions by finding crea ve ways to meet those requirements with a new bit Crib Mining project at an ac ve oil well. We will then close with Reed Page with Summit Corpora on on how the bit coin mining project at the Merrion loca on converts to Bit Coin and how they make money in the mining process and how it es 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	
	ns(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)

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	npany:				Regio			
	egate: Alterna			ention: 🗆 G	Guest: ☐ Guest o			
	ne:	С	ell:		Ema			
	ing Address:				City:	Sta		Zip:
	rent ADDC Positi					President (Yea		
	GISTRATION F		ın, alle	rgies, etc.) _				· · · · · · · · · · · · · · · · · · ·
		Member				Non-M	lembers	
	Registration Fe				Ice Breaker			\$ 64.00
	(Covers all busine Industry & Recogn			\$ 250.00	Luncheon Ban	quet		\$ 77.00
	Luncheons and Ba							\$
	Late Registration (Registration after			\$ 25.00	Certification (Non-Member)			\$ 125.00
	Subtotal of Fiel Seminars & Ce			\$	Subtotal of Fie Seminars	ld Trips &		\$
	Total			\$	Total			\$
	Field Trip #1 Field Trip #2 Field Trip #3 Field Trip #4	\$ 85.00 \$ 95.00 \$ 85.00 \$ 85.00		Seminar Seminar Certificat	#2 \$ 0			
_	Subtotal	\$		Subto	tal \$ 0			
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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.





MS. TAYLOR SHAFFER

MAY 18, 2023

7lbs, 2oz and 20.5" tall

YANIN (MOMMY), RYAN (DADDY, RENA'S SON) AND BABBY GIRL ARE ALL DOING WELL.

CONGRADULATIONS RENA ON YOUR NEW GRANDDAUGHTER.

2023 WAYLAND BAPTIST UNIVERSITY GRADUTE—HOPE SHATTO



CONGRATULATIONS HOPE!

DAUGHTER OF RON AND BARBARA PAPPAS.

Desk and Derrick Club of Wichita Falls June 21, 2023

Membership Meeting The Forum, 2120 Speedway Avenue

Presiding: Sheila McGaughey

Stephens Engineering

Invocation: Shirley Bridwell

Bridwell Reporting & Consulting

Introduction of Speaker: Diana Walker

Stephens Engineering

Program: Rena Shaffer

Eagle Oil & Gas Co.

"Natural Gas Production Taxes"

Calculating and reporting monthly gas severance taxes

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

Reservations Deadline 4:00pm Thursday, June 15

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

MAY 9, 2023 thru JUNE 6, 2023

Retail gasoline and diesel prices follow crude oil prices down

Gasoline and diesel prices are declining, and in many locations in Texas gasoline is below \$3 per gallon and diesel is under \$4.

The Energy Information Administration (EIA), the data collection agency at the U.S. Department of Energy, and AAA, an industry organization that monitors fuel prices at the retail level, both show declines ranging from 18% to 33%.

EIA reported on May 8 the average regular gasoline price in the U.S. was \$3.533 per gallon, which is an 18% decline of \$0.795 from a year ago of \$4.328.

The average price in Texas was \$2.993 down \$0.994 (25%) from \$3.987 a year ago, according to EIA.

AAA reported similar numbers for Abilene (\$2.958), Wichita Falls (\$3.013), and East Texas (\$2.943).

Diesel prices had the biggest declines averaging \$4.046 (a 27% drop from \$5.540 a year ago) across the U.S. and \$3.461 (down 33% from \$5.245), according to AAA numbers reported on May 9.

The major reason for the lower prices is the decline in crude oil prices, which have declined roughly 35% since last year down from \$110 in May 2022 to \$75 this month for West Texas Intermediate (WTI) sold on the New York Mercantile Exchange.

"Crude oil is the main determinant in retail gasoline prices," EIA states on its web page.

"According to our Gasoline and Diesel Fuel Update, the price of crude oil usually accounts for more than half of the final retail price of gasoline," EIA stated. "In 2022, crude oil accounted for 57% of the retail gasoline price. The next largest share (18% in 2022) is the refinery margin, measured as the difference between the refinery gate price of gasoline, minus the price of crude oil. The refining margin reflects the value of refining crude oil into gasoline. The remaining price composition includes the distribution costs of moving the gasoline to the retail station (11%), retail margins, and fuel taxes (15%)."

EIA said its gasoline price forecast is primarily a function of crude oil prices and gasoline inventory levels. EIA inputs crude oil prices for WTI and Brent oil, which is traded on the international market.

"Vehicle travel and fuel economy are relatively unaffected by short-term retail price changes," EIA stated.

"Refinery operations are relatively slow to adjust to crude oil price changes," EIA stated. "Crude oil and petroleum product prices are not directly used as an input in our forecast for refinery runs. Refinery runs are only affected by crude oil price changes and subsequent gasoline price changes' effects on consumption. We model refinery runs as a function of petroleum product demand as well as seasonal consumption patterns and maintenance schedules."

Even though crude oil and refined petroleum products have declined, EIA expects prices to firm during the remainder of 2023. EIA projected in its most recent forecast Brent oil to average \$85 per barrel (current price is \$77), and national gasoline average will peak between \$3.50 and \$3.60 in June.

Memorial Day travel expected to increase as gas prices decline

Retail gasoline prices are more than \$1 per gallon lower this Memorial Day weekend than last year, and AAA expects more traffic on the highways.

AAA expects 6% more Memorial Day weekend road trips in 2023 than in 2022.

Even though U.S. retail gasoline prices are lower than 2022, prices are relatively high compared to previous years according to a report from the Energy Information Administration (EIA).

"Heading into Memorial Day weekend 2023, the U.S. retail gasoline price averaged \$3.53 per gallon, or \$1.24 (26%) lower than the inflation-adjusted price one year ago," EIA stated in its report issued on Wednesday.

"Despite this price decrease, retail gasoline prices remain relatively high. This year's price is higher than the inflation-adjusted prices of \$3.38 in 2019, \$2.22 in 2020 (when responses to the COVID-19 pandemic decreased demand for petroleum products), and \$3.41 in 2021," EIA stated.

Gasoline prices follow crude oil prices closely. When market conditions for both commodities are tight prices tend to follow. In recent years, a global pandemic and Russia's invasion of Ukraine have played key roles in energy prices.

Retail gasoline prices have come down from last year mostly because of lower crude oil prices. Crude oil is the largest component of the retail price of gasoline, making up more than half of the final price. As of May 23, the spot price for Brent crude oil has averaged \$76 per barrel for the month, a decrease of \$41/b (35%) from the inflation-adjusted average in May 2022, according to EIA.

Crude oil prices have fallen from their 2022 highs because of increasing global production and weakening global economic conditions. Global production of crude oil has been near record highs since the third quarter of 2022, averaging 101 million barrels per day (b/d), EIA stated.

"Increased production has alleviated tightness in global crude oil markets, supporting inventory builds in each of the past three quarters," EIA's reported continued. "As global crude oil production has increased inventories, weakening economic conditions have also lowered crude oil prices. Persistently high rates of inflation, rising interest rates, and perceived risk around the global banking sector have weakened demand outlooks and lowered prices. In addition, surveys show that manufacturing activity in China, the world's largest manufacturer, contracted in April, likely indicating a slowdown in the global economy."

These factors have brought the Brent crude oil price to below the inflation-adjusted prices of May 2019 and 2021. The price of Brent crude oil is down \$8 per barrel (9%) from the May 2019 price and down \$1 per barrel (1%) from the May 2021 price, EIA said.

Despite a lower inflation-adjusted crude oil price than in 2019 and 2021, the average retail gasoline price in May 2023 is higher than in those years because of high gasoline crack spreads, which reflects the price difference between wholesale prices for the petroleum component of gasoline used in many parts of the country and the price of Brent crude oil. In May 2023, the RBOB-Brent crack spread averaged 74 cents per gallon, or 45 cents (38%) lower than in May 2022. At the same time, that is 42 cents (134%) higher than in May 2019 and 24 cents (48%) higher than in May 2021.

Other contributing factors are lower crude oil and gasoline inventories than last year.

Petroleum market 'remains highly uncertain'

Demand up, supplies questionable, and price "remains highly uncertain."

That's a summary of the Energy Information Administration's (EIA) short-term market forecast for petroleum products released this week.

"We expect to see demand for travel to increase, which drives our forecast for record consumption of petroleum products," said EIA Administrator Joe DeCarolis. "The petroleum market remains highly uncertain, so we will continue monitoring developments and tracking supply and demand dynamics."

EIA forecast Brent crude oil price, which is traded on the international exchange, will average \$79 per barrel during the second half of 2023 and \$84 during 2024. Brent closed on Wednesday at \$76.89, and West Texas Intermediate closed at \$72.49.

EIA believes global oil inventories will decline slightly during the remainder of this year primarily because of Saudi Arabia's announcement on June 4 that it will reduce production 1 million barrels per day (b/d) beginning July. OPEC+ produces about 40% of the world's oil supplies (40 million b/d). Saudi Arabia produces about 10 million b/d.

This is the second cut this year. Saudi Arabia and Russia said they would reduce production by 1.6 million b/d in April. Market analysts question the validity of Russia's production, because Russia dumps huge volumes of cheaper crude to get around sanctions placed by U.S. on other countries.

EIA forecast global liquids fuels consumption will rise by 1.6 million b/d in 2023 from an average of 99.4 million b/d last year. Consumption grows by an additional 1.7 million b/d in 2024. Most of this growth comes from non-OECD countries.

EIA's forecast assumes U.S. GDP growth of 1.3% in 2023 and 1.0% in 2024, which is down from last month's forecast of 1.6% in 2023 and 1.8% in 2024, based on the S&P Global macroeconomic model for the U.S. economy and our energy price forecasts. Lower GDP growth reduces total U.S. energy consumption in both years compared with last month's forecast.

EIA expects demand for diesel fuel to decline, but overall liquid fuels consumption in the U.S. should increase, driven by factors mostly unrelated to forecasts for economic growth. Consumption growth in 2023 is led by gasoline and jet fuel, which continue to increase from a pandemic-related decline in demand. Propane and ethane consumption are the main drivers of growth in 2024.

"U.S. dry natural gas production in our forecast averages almost 103 billion cubic feet per day (Bcf/d) in the second half of this year, down slightly from our estimate of about 104 Bcf/d on average during April and May," EIA said.

EIA expects natural gas prices to increase. The Henry Hub spot price in EIA's forecast averages almost \$2.90 per million British thermal units (MMBtu) in the second half of 2023, up from the realized May average of \$2.15/MMBtu. The natural gas price at the Henry Hub in our forecast rises by almost 30% in 2024 compared with 2023 to an average of about \$3.40/MMBtu.

June 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	BOARD MEETING 7	8	9	10
11	12	13	14	15	16	17
father's day	19	20	MEMBERSHIP MEETING 21 FIRST DAY OF SUMMER	22	23	24
25	26	JESSICA CAIN 27	28	29	30	

July 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
NELVA WHITE 2	3	HAPPY 4TH OF JULY	BOARD MEETING 5	6	PAIGE BAUMER 7	8
ANNALIESE HANCOCK 9	10	11	12	13	14	15
16	17	18	MEMBERSHIP MEETING 19	20	21	22
23	24	25	26	CASIE MASS 27	28	29
30	31	FREEDOM AND FA	AIRNESS. AND THES	E ARE THE THINGS REAGAN 40TH PRE	OR SOMETHING-FOR S WORTH FIGHTING I SIDENT OF THE UNI ays/4th-july-quotes	FOR, WORTH