

Desk and Derrick Club of Oklahoma City

DERRICK LIGHTS

Why is BOB in Your Gasoline?

By Ann Mefford

Tim Parrish did an excellent job explaining the way gas is refined and processed. Researching the history of the first oil products, the engines, and the refining process he enlightened us to things we had not heard of in any of our other meetings.

The first crude oil was processed as kerosene in 1859 and it was 1893 before we had the first American car using gasoline. It was called the Duryea and was not the first car; that one was produced as the Carl Benz in Germany.

The basic engine that runs on gas products consist of a four stroke process: induction, compression, power and exhaust. The first step is the release of fuel into the engine. Then compressing the fuel in the chamber. A spark is introduced causing an explosion of power. The chamber is open and the exhaust is released. The process is repeated as long as the fuel is supplied or until the engine is turned off.

Of the 129 refineries in the U.S. Oklahoma has 5 refineries that combine to process about 524 thousand barrels per day. In 2022 Oklahoma was the sixth largest producer of crude oil with our state consuming 1/3 of the energy it produces. The state also produces three percent of the total United States refining capacity.

The process for refining the crude oil is to heat it and allow the different products to separate. BOB is the unfinished gasoline blend that only lacks the addition of the ethanol to be finished gas. BOB stands for Blendstock Oxygenate for Blending. The types of gasoline are based on the octane fuel levels generally: regular is 87, midgrade 89-90, and premium 91-94.

There are even different types of BOB:

- RBOB – Reformulated Blendstock Oxygenate for Blending
- CBOB – Conventional Blendstock Oxygenate for Blending
- CARBOB – California Conventional Blendstock Oxygenate for Blending
- EUROBOB – Eurobob Conventional Blendstock Oxygenate for Blending

What is Blendstock? An unfinished product that is blended with other similar unfinished products to make a refined product.

What is Oxygenate? It is a process to impregnate, combine or supply something with Oxygen.

Pros of Oxygenates can enhance fuel combustion and reduce exhaust emissions and some also boost gasoline octane.

Cons Oxygenates are almost always alcohol based and can harm calibrations since they burn at different rates, temperatures and produce less power.

BOB was a result of the Clean Air Act of 1970, requiring the reduction 90% of new car emissions and banning lead in gasoline and was completed in 1996. It also created the EPA and more cleaner burning requirements for automakers.

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**CLUB MOTTO**

“GREATER KNOWLEDGE - GREATER SERVICE”

**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.

**ADDC MISSION STATEMENT**

To enhance and foster a positive image to the global community by promoting the contribution of the petroleum, energy and allied industries through education, by using all resources available.



**Desk & Derrick Club of Oklahoma City**

Club Information •  
www.deskandderrickokc.com  
Association Information •  
www.addc.org

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**DIRECTORS**

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Jamie Gilmore  
General Dynamics

Jamie Sabata  
Gardner Cryogenics

*From the Editor,  
Ann Mefford*

**May**

Rock and Roll time in Oklahoma again! May is our busy time of year for tornados and we are seeing it.

I took a vacation and got away for a little while to rest and relax. Wound up learning a few things too so check out my story “The Journey” and you might too.

I have a lawn that looks like a jungle and flower beds crying to be cleaned and planted. My humming birds are back and the blue birds are on the second batch of babies. Spring is here and there are lots of babies in the fields and crops are growing.

We have a speaker for our May meeting so please come and get an update on the oil industry in Oklahoma.

Warmer weather means time to get some ice coffee or a frappe. Drink lots of water and mowing every week.

Have a great summer everyone!

*Ann*

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**RULES**

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COMMITTEE  
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## 2024

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### PARLIAMENTARIAN

TBA

**Tim Parrish**  
2024 OKC President  
Enterprise Products  
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May 15, 2024

Hello and good day to all of you. One way or another, I hope all of you had a good Mother's Day last Sunday.

Welcome back to our team who went to the Central Region meeting in Great Bend, KS last month. I heard you had a good time while out of state.

At the May Membership meeting in May 22<sup>nd</sup>, we will have SVP of Communications, Cody Bannister, from The Petroleum Alliance of Oklahoma give us a presentation on the "**state of the industry.**" I hope that all of you can make it to the meeting this month.

There are several things inescapable from mid-to-late May in Oklahoma. Graduations, tornadoes and crappie. I know that we have one graduate linked to the OKC Club. Congratulations to Libby (daughter of a member) for her graduation from Yukon HS. UGH, tornadoes! The best thing that I can say about the little devilish twisters is that we have not had a barn-seeking, cow-tossing prairie squall in Oklahoma in **six** days. To date, Oklahoma has had 68 tornadoes since March 14<sup>th</sup>. So, roughly two-a-day! For comparison, Oklahoma had 74 tornadoes in all of 2023. I found something good to say about tornadoes: They eventually have **tornadolysis**, which is the "process leading to tornado decay and death" (thank you Wikipedia). That brings us to crappie. That is genus Pomoxis. White Crappie and Black Crappie. Yes, soon the crappie will begin their "run" up warm, narrow creeks and streams to spawn.

Take care and be safe,  
Tim

p.s. Invite someone to our next meeting.



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ExxonMobil Chemicals

### WEST REGION DIRECTOR

**Heather Woods**

Whiptail Midstream

**Wendy Sparks**

2024 ADDC PRESIDENT

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May 2024

## ADDC Membership

Region Meetings have started! As I write this, West Region is getting ready for their weekend in Corpus Christi. They are changing up the “normal” schedule a bit and having their business meeting on Friday and Field Trip on Saturday! Wishing Heather Woods and West Region a wonderful meeting.

Speaking of regional meetings, Southeast Region is holding their meeting virtually so if you are available you might ask for the link! It will be held this Saturday, April 20 at 10am. This will be Angie Corvers first meeting as Region Director so hopefully several of us will be on to support!

Central Region and Michelle Burgard will be in Great Bend, KS April 25-27. The Great Bend club members are EXCELLENT hosts so I am hoping some members from other regions can attend!

Finally, the Northeast Region and Shelly Hildebrant will be hosting in Canonsburg, PA in May! I have attended a NE Region meeting in the past and I can say it was one of the best meetings I’ve ever been to.

As I mentioned last month, I think it bares repeating, The Board will soon be sending out the **Proposed 39 Bylaw Amendments and 6 Standing Rule Amendments**. The Rules Committee Chair, Diana Walker, Parliamentarian, Evelyn Green, and I will be working diligently on how to make this process go as smoothly as possible. These will be able to be discussed at the regional meetings so PLEASE take the time to read BEFORE and ask questions to your Region Directors during the open forum. As always, I am also available for questions.

Please access the ADDC website as often as you can. Also, if you have changes that need to be made to your information, you can update at your convenience. [www.addc.org](http://www.addc.org),

“Anything is possible when you have the right people there to support you.”

~Unknown

Sincerely,

*Wendy Sparks*

## Central Region Director's Newsletter



**Michelle Burgard**  
 Central Region Director  
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### Board of Directors

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**Angie Corvers**

ExxonMobil Chemicals

#### WEST REGION DIRECTOR

**Heather Woods**

Whiptail Midstream

May 2024

Hello Members,

Happy Spring! I hope the April showers bring all of you beautiful May flowers!

I know May is a busy month with the end of school year, graduations, Memorial Day and the start of summer. I hope all of you get to spend time with your families celebrating, enjoying fun and fellowship!

The 2024 Central Region Meeting is almost here! I'm excited to see everybody on April 26<sup>th</sup> – 27<sup>th</sup> in Great Bend, Kansas. The Great Bend Club has been working hard on planning a great Central Region Meeting. I have been working on the podium book, program, and the Club President's meeting. We will put our heads together and come up with a plan for the region for the rest of the year. I can't wait to see all of you in Great Bend, Kansas! Let's have a groovy meeting!

We will have an Open Forum at the Region Meeting even if there aren't any proposed ADDC bylaws or standing rules to discuss. I want you all to know that the Open Forum is open for everyone to speak. You may bring up or discuss problems or good things your clubs are doing. We will have the ADDC President and myself there to answer any questions you might have on the ADDC operations so far this year.

Remember, that your Tax forms are due May 15, 2024, to Jennifer Smith ([mactechjas@verizon.net](mailto:mactechjas@verizon.net)) and Melodee Guerrero ([melodee@echoproduct.com](mailto:melodee@echoproduct.com)). If you have any questions or problems let us know. Also, a reminder that any ADDC Treasurer's reports cannot be published on club websites or in club newsletters.

The ADDC 73rd Annual International Convention and Educational Conference will be held on September 25<sup>th</sup> – 28<sup>th</sup>, 2024 in Dallas, Texas at the Double Tree Hotel by Hilton – Dallas – Campbell Center. The Certification Course is TBD.

I'm excited to see what May brings our way!

Michelle Burgard,

2024 Region Director

**WINNERS!**

By: Marsha Gentry

At the Awards Luncheon at this year's Central Region Meeting in Great Bend, Kansas, our Club brought home the following Regional A.I.M.E.E. Awards of Merit:

- |                               |   |
|-------------------------------|---|
| Best Large Bulletin –         | “Derrick Lights”,<br>Ann Mefford, Editor – 2 <sup>nd</sup> place  |
| Best Industry Article –       | “Oh, Christmas Tree”,<br>Marsha Gentry, Author – 1st place  |
| Best Industry Program –       | “Translators”, Leah Owens, speaker,<br>Ann Mefford, Author – 2 <sup>nd</sup> place                              |
| Best Desk & Derrick Program - | “2 <sup>nd</sup> Annual D&D Family Feud”<br>Marsha Gentry & Wendy Sparks, Coordinators<br>2 <sup>nd</sup> place |
| Best Industry Field Trip -    | “Carter County Field Trippin”<br>Marsha Gentry, Coordinator and Author – 2 <sup>nd</sup> place                  |

**CONGRATULATIONS!!**

There is plenty of time this year to write an article, coordinate a field trip or seminar, take an industry picture and possibly get recognized by your peers. I urge you to make the effort! It's worth it.

**The Journey**

Ann Mefford

When I went on vacation I left my job and everyday things behind. I had no internet or phone service for the whole eight days of cruising. I learned you never really turn your mind off of things you know and you learn more every day. In Galveston, Texas I looked out over the side of the ship and saw this tanker going by and was glad it was making a journey and supply someone far away.



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My husband and I went to Key West Florida and then cruised on to Freeport, Grand Bahama island. We enjoyed the trolley ride around the island. There were people driving all around and it never occurred to me how they got the gas for their cars. It was an island and no roads to the refineries.

Our next stop was Half Moon Cay where we took an open air truck ride around the island to learn its history. I was surprised to learn that all the electricity was produced by gas powered generators. We had to take a smaller boat to get to the island because of how shallow the ocean was in the area. So they were using smaller boats and bringing fuel in by the barrels. They also had a few electric golf carts they used to move their people around. Our guide also said that the island she lived on was an hour away by boat so she and almost everyone else but the 20, people who lived on the island had to commute for work every day.



Nassau our last island stop was a big island 21 miles long and 7 miles wide. I saw lots of oil storage tanks from our ship. Now I had a good idea of why so many were needed to keep the island going. We had gotten a private van tour and Sheila told us the history of the island and how the people lived. She said during the COVID time they had a very hard time getting any supplies shipped in to them and people were still trying to recover from it. Nassau's main income is tourism so it was a major blow for them. She said a box of Cheerio cereal was eight dollars and gas was over six dollars a gallon because everything has to be shipped in. When we left I was able to get some pictures of how they unload fuel in the ocean to the tanks on the island. It was amazing to see and know that was how they survived everyday by what was delivered. I was wondering if the ship in Galveston was one of the ones the brought them their much needed fuel.





**Lucky**



**Strike!**



**May**

**05/02 Ann Mefford**  
**05/28 Jamie Gilmore**

# HAPPY BIRTHDAY

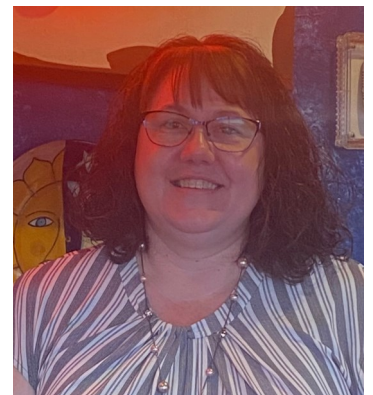
**June**

**No Birthdays**



Marci Ebert our  
50/50 winner.

Happy Birthday winner  
Michelle Burgard.



## May 22, 2024 Membership Meeting

### **On the Border**

**120 S. Meridian Ave, Oklahoma City, OK**

Dinner & Meeting at **5:30 p.m.**

Cost \$20 Meeting Only: No Charge

Cody Bannister speaking on the state of the industry.

**Reservations must be received by noon on Monday, May 20, 2024.**

Payment Must Be Made For Reservation

Send Reservations to: Ann Nguyen E-mail: [anguyen@eprod.com](mailto:anguyen@eprod.com)





**LET'S LAUGH (or groan)**

Q: How much does a chimney cost?  
 A: Nothing - it's on the house.

Q: What do you call a criminal landing an airplane?  
 A: Condescending.

Q: Why do people in Greece hate waking up at dawn?  
 A: Because Dawn is tough on grease.

Q: What did the alien say to the landscaper?  
 A: Take me to your weeder.

Q: What has 4 wheels and flies?  
 A: A garbage truck.

Q: How do you make Budweiser?  
 A: Send him to school.



**DATES TO REMEMBER**

- May 22 National Vanilla Pudding Day
- May 24 International Tiara Day 
- May 27 National Grape Popsicle Day
- May 29 National Coq Au Vin Day
- June 1 National Hazelnut Cake Day
- June 3 National Leave the Office Early Day
- June 5 Hot Air Balloon Day 
- June 8 National Upsy Daisy Day
- June 12 National Jerky Day
- June 14 National Bourbon Day
- June 17 National Cherry Tart Day 
- June 20 National Hike With a Geek Day

**Sounds**

All the words are hidden vertically, horizontally or diagonally—in both directions. The letters that remain unused form a sentence from left to right.

D O M I N A N T T O N E S O U  
 H E A R I N G I M P A I R E D  
 N D M O B L A S T R V E S I N  
 E C R U O S O T D E E P S N W  
 A V R G E N S R R T H A H O T  
 A S N R G E U T C U A U R I G  
 T O H W T M A B Y T P H I S T  
 G E A O U E G N A H C S L E H  
 E H O L P M U F F L E R L I R  
 S E E E S C I N O R T C E L E  
 U A R C L E A C O U S T I C S  
 A D E A I N S T R U M E N T H  
 L P T Y C N E U Q E R F B N O  
 P H S U O N O T O N O M A D L  
 P O T S I N U S G O L F N E D  
 A N C A T H U N D E R A G R D  
 R E I E L Z T R E H D O H C E  
 I S N S I K D E D E C I B E L

- EARDRUM
- ECHO
- ELECTRONICS
- FREQUENCY
- GONG
- HEADPHONES
- HEARING IMPAIRED
- HERTZ
- INSTRUMENT
- LOW
- MONOTONOUS
- MUFFLE
- NOISE
- REPEAT
- SHRILL
- SONG
- SOURCE
- SPEED
- SPURT
- STEREO
- TALK
- THRESHOLD
- THUNDER

- ACOUSTICS
- APPLAUSE
- BANG
- BLAST
- BURST
- CHANGE
- DEAF
- DECIBEL
- DOMINANT TONE

# May 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	1	2	3	4
5	6	7	8	9	10	11
					<b>Articles Due for Bulletin</b>	
12	13	14	15	16	17	18
<b>Mothers Day</b>						
19	20	21	22	23	24	25
			<b>Membership Meeting</b>			
26	27	28	29	30	31	1
	<b>Memorial Day</b>					

# June 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	31	1
2	3	4	5	6	7	8
	Mishael					
9	10	11	12	13	14	15
	Ann				<b>Articles Due For Bulletin</b>	
16	17	18	19	20	21	22
	Mishael					
23	24	25	26	27	28	29
	Ann		<b>Members Meeting</b>			
30	1	NOTES				