

THE LONE STAR PIPELINE



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Our Purpose

The Association of Desk and Derrick Clubs (ADDC) is a non-profit, international organization whose purpose is 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.

Our Mission

Our mission is 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.

MEETING INFORMATION

- Our meetings are generally held the second Thursday of each month at 6:00PM at the Brookhaven Country Club | 3333 Golfing Green Dr. | Farmers Branch, TX 75234
- The cost of dinner is \$30, cash or checks made payable to Lone Star Desk and Derrick Club of Dallas | RSVPs must be made by the second Tuesday at 10:00AM unless otherwise stated.
- Prior to the meeting, there will be a Social Hour from 5:00-6:00PM with a cash bar.

Nodding donkeys fail as long shale wells make pumping oil harder

By David Wethe Bloomberg
Monday, December 11, 2017

Imagine trying to slurp a thick chocolate shake through a J-shaped straw four miles long. That's the kind of cheek-puckering test the American shale industry must overcome to prolong a record boom in oil output.

For almost a decade, drillers have been using new techniques to tap vast petroleum reserves scattered within deep, porous rock layers in places like west Texas, Pennsylvania and southern Canada. By digging extra-long wells that went down and then sideways at different angles, engineers were able to capture a lot more crude than from a vertical hole.

While those new methods unlocked a torrent of new supply and turned the U.S. into the world's largest producer, the increased difficulty of sucking fluid from so far underground is overwhelming pump systems that have changed little in decades. The mismatch is causing more well failures, rising costs at a time of low prices, and a scramble by companies like Exxon Mobil Corp. for alternative ways of maintaining flows.

"Every horizontal well -- no matter where you are -- has this problem," said Jeff Saponja, chief executive officer of Heal Systems, a Calgary-based engineering company that is working with Schlumberger Ltd., the world's biggest oil-service provider, on developing products that make pumps and pipes work more efficiently.

Extracting oil is usually easy at first as liquid gushes to the surface. But that quickly fades as the pressure eases, so producers rely on pumps that slowly extract the bulk of the reserves over years or even decades. The most common variety is a pumpjack -- more commonly known as a nodding donkey -- a technology that's been in use for more than a century.



The nodding donkey has a steel hammerhead hovering over the well, bobbing up and down to create suction in the hole, aided by a rotating counterweight. The method is effective on vertical wells that go straight down, but is less so when used on horizontal ones. It's not uncommon for a shale well to go down a mile, then use another 800 feet of pipe to bend from vertical to horizontal before continuing sideways for another mile or more.

Shorter Lifespans

Pumpjacks on vertical wells can last five or six years without any problems, said Jesse Filipi, who until last year worked as an engineer for Marathon Oil Corp. and was responsible for about 700 producing wells in the Eagle Ford Shale deposit in south Texas. The same pumps might not last two years on the newer horizontal wells, he said.

"You're trying to understand what's going on, and then you start to realize, it's just not quite working the way everyone tells you it should be working," said Filipi, who now works for Ambyint Inc., an oil-technology company in Calgary that focuses on ways to improve pumping systems that the industry refers to as artificial lift.

To be sure, there are only about 50,000 horizontal wells in the U.S. and Canada that use nodding donkeys, compared with a total of 1.2 million production wells in the region, according to data compiled by Ambyint.

But horizontal wells have been central to a resurgence of North American output. The shale boom helped to double U.S. production since 2005. It's now the highest ever, exceeding even Saudi Arabia, according to BP Plc data. Texas, home to the biggest shale deposits, saw output triple.

Yet some of those oil reserves may get stuck underground if the industry's pumps keep failing, which boosts costs for shale deposits that were initially cheap to exploit and often remained profitable even when crude fell to \$50.

It costs about \$250,000 to install a nodding donkey, along with all the startup gear, and as much as \$100,000 to repair or replace it, according to Ambyint

"If you're failing your pump all the time, you're not getting low lifting costs," said Saponja, who had first-hand experience when he worked at a small exploration and production company in the Bakken shale region of North Dakota. Over a two-year period, Saponja said he replaced its pump more than half a dozen times.

"There is no one favorable solution for the problem," said Cem Sarica, director of a research group at the University of Tulsa in Oklahoma that is trying to develop alternatives with funding from companies including Exxon and BP.

One workaround engineers have used is to shove natural gas into the hole to lighten the oil and make it easier to pump to the surface. Another is placing an electric-submersible pump, or ESP, down in the well. While both techniques work during the early stages in the life of a well, they often aren't as effective after output falls.

And then there are the slugs. That's what engineers call the separation of oil and gas in the horizontal pipes, which are often so long and bendy that they create small hills and valleys that allow the hydrocarbons to accumulate. The variations caused by big pockets of oil followed by large amounts of gas is too chaotic for most pumps to handle.

The oldest shale wells in North America are only about seven or eight years old, so the industry has only recently figured out the problems and begun looking for more efficiency, said Francis O'Sullivan, a researcher at the Massachusetts Institute of Technology in Cambridge.

"There's a need now," O'Sullivan said. "If we're looking at the shale resource as a bigger component of our national production basin, that we try and apply the best possible husbandry to the resource. That's in the national interest."



Dates and News

- ❁ December 2nd.....Installation
- ❁ December 25th.....Christmas Day
- ❁ January 1st.....New Year's Day
- ❁ January 15th.....MLK Day
- ❁ January 18th.....Membership Mtg.
- ❁ February 5th.....Board Mtg.
- ❁ February 14th.....Valentine's Day
- ❁ February 15th.....Membership Mtg.

Job Websites

Energy Jobline

<https://www.energyjobline.com/jobs/>

Indeed

<https://www.indeed.com/jobs?q=oil+%26+gas&l=Dallas%2C+TX>

Zip Recruiter

<https://www.ziprecruiter.com/jobs/texas/dallas/oil-and-gas>



- ❁ Dimple Ziegler – December 2
- ❁ Tamara Murchison – December 15

Remember When?

Gift idea from Texaco—for now, for Christmas!

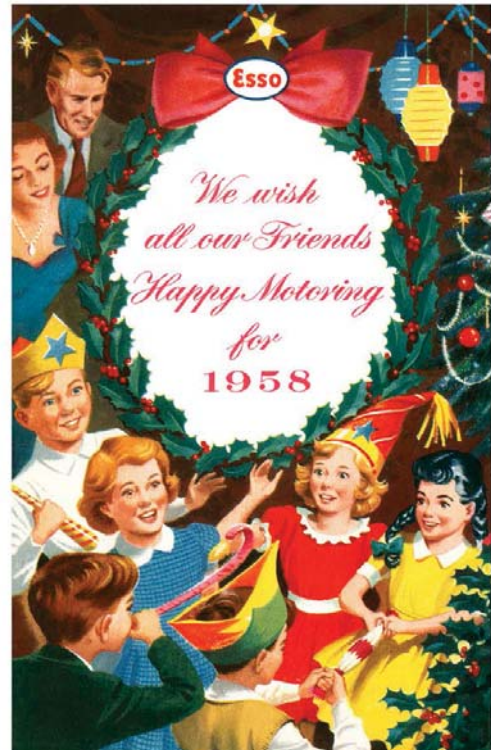
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Tammy Watkins
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Carl E. Gungoill Exploration Inc.

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Marilyn Carter

Maggi Franks
President

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December 2017,

Dear friends and fellow members,

What a ride! This year has been a rollercoaster of highs and lows in the Association. I will say that my fellow members have definitely kept me on my toes. We have made strides in keeping ADDC viable and relevant to future generations. We have done our best to keep the best of our history while embracing the promise of tomorrow.

I have learned so much about our members this year. Many of you have opened my eyes to a plethora of ideas. It has been a remarkable journey, but I am not done yet. I will continue giving my all to members, and make myself available to all. I plan on being part of ADDC as long as I still have breath.

2017 wasn't about me though, this has been a journey about us. I stated last year, that my ideas for the year would be "Our past goals reimagined." The 2017 Board did a lot of reimagining this year. Some members welcomed the reimagining with open arms, others, well, everyone has their own opinions. Like many these days, we have been faced with a downsizing in our numbers, resulting in lower income. Though we have and are continuing to cut expenses, we must investigate additional revenue sources. I have faith that Christina and the 2018 board will thoroughly investigate that avenue. In order for our great organization to survive we must continue to reimagine. What worked for Inez decades ago, will not necessarily work today. Just as we have found that unleaded fuel is better for our vehicles, we must get the lead out of our thinking of how our organization works.

I know the 2018 Board of Directors will face many challenges during the coming year. I also know that we will be able to face it head on as we did in 2017. I must make one personal request. There will be issues we all won't agree on, there will be changes we must make. No matter your thoughts or reactions, please remember we are professionals. Keep it professional. React to the issue, not to those presenting it. Be passionate, but be polite. Listen to understand, not just to react. Remember that if you point a finger at someone that there are three fingers pointing back at you. We must always lift each other up, so that we all may keep moving forward.

I want to thank the 2017 Board for their hard work and dedication. We have worked together as a team, and I am proud of that. I must thank Sheryl Minear whose advice, guidance, and occasional "Now Maggi's," kept us on track this year. I want to thank Mark Loch, Wayne Ammons and Linda Rodgers for the many hours they gave to the Association, even at the wee hours of the morning, working around my crazy schedules. I must thank Evelyn Green and the 2017 GAC for providing us with an outstanding convention, and for their endless hours of hard work. I must thank all those great ladies who have come before me, and laid out the path I was to follow. I want to encourage

ADDC President's Letter – cont.

those who will come after me to follow their gut feeling, but always have an open mind to what others are saying. Lastly, thank you, my fellow members for changing my life, for inspiring me time and time again, and for helping me become the woman I am today. I would have never envisioned myself as a leader of so many great men and women. I have each and every one of you to thank for that.

In closing, at this most joyous time of year, I wish you and your families the Merriest of Christmases and wish you all the promise the New Year has to bring. I will leave you with a quote that has inspired my life.

“I will honor Christmas in my heart, and try to keep it all the year. I will live in the Past, the Present and the Future. The Spirit of all Three shall strive within me. I will not shut out the lessons that they teach” – Ebenezer Scrooge - Charles Dickens

Franks Out



Region IV Director's Newsletter



Evelyn Green

2017 Region IV Director
evelyn@gbcminals.com

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DorothyJ@headingtonenergy.com

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December 2017

It is really hard to believe that we are coming to the end of 2017! Twelve months ago I wrote my first letter as the 2017 Region IV Director and here we are – the last letter for 2017.

There are not enough words to say *"Thank You"*! To each and every member of Region IV, I thank you for your support, words of kindness and love that you have given me this year. Thank you for allowing me to serve as the Region IV Director. It has been my privilege and honor to be in this position for our Association in 2017.

Region IV will be in good hands in 2018. We will be well represented by Sue Weaver as the 2018 Regional Director. She will certainly be a great asset to the Association Board and will serve our Region well.

I just wanted to remind each of the Clubs, that you still have time to get your Contest Entries in for this year. These must be postmarked on or before **December 15, 2017**. If you have any questions about the AIMEE Contest Entries, don't hesitate to get in contact with Casi Nichols who will serve as the 2018 ADDC Contest Committee Chairman. Or if I can be of help, always remember that you can contact me.

No matter how you celebrate the Holiday Season, I wish you a Merry Christmas, Happy Hanukah or Kwanza – enjoy the Holidays with Family and Friends. I hope all of your wishes for 2018 come true.

With much love in my heart and my warmest hugs to all,

Evelyn

Wishing you and yours a joyous and Merry Christmas and a very Happy New Year!



*"My idea of Christmas, whether old-fashioned
Or modern is very simple: loving others"*
Bob Hope

ADO Manager Letter



Board of Directors

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REGION IV DIRECTOR
Evelyn Green

REGION V DIRECTOR
Joan Cartwright
Bark Royalty Co. LTD

REGION VI DIRECTOR
Wendy Sparks
Carl E. Gungoll Exploration Inc.

REGION VII DIRECTOR
Marilyn Carter

Mark Loch
Association Distribution Office Manager
(ADO)

Association of Desk and Derrick Clubs
P.O. Box 847
Bethany, OK 73008

(405) 543-3464 O

Email: ado@addc.org
Website: www.addc.org

Greetings; ADDC Board and Members;

I trust this letter finds everyone healthy and having had a wonderful Thanksgiving and preparing for a very merry Christmas and Happy New Year.

ADO has been busy assuring that 2018 Renewal forms have been distributed to all clubs and that all data has been updated and prepared for the 2018 year. Club Presidents, please encourage your members to renew as soon as possible for 2018, let's have a great renewal period for ADDC and strive to increase our membership in 2018. I challenge each and every member to recruit one new member, if we all do that we will be able to double our membership in 2018! That would be great!!!

Presidents, please Email your 2018 ADO-31 New officers forms to ADO as soon as possible. All of the clubs should have had their elections for their 2018 Board. ADO needs this information in order to update our database and prepare the letterhead for your respective Regional Director.

As 2017 draws to a close I want to take this opportunity to once again thank all of the members of the ADDC board, clubs and membership for the privilege of serving as the ADO Manager in 2017. It has been a great honor and a fantastic learning experience, you have all been wonderful to work with., I encourage all members as well as club Presidents to step up and become a committee chairperson or Regional Director and Club Presidents and Regional Directors consider running for an ADDC Board of Directors position, you will learn a great deal and make very special friends and memories that will last a lifetime.

Once again, I hope everyone has a very merry Christmas and a Happy New Year. Remember keep the true reason for the season in your hearts and minds and set aside some time to spend with Family and friends during this holiday season as family and friends and fellowship are what make us who we are.

God Bless and Merry Christmas

Sincerely;

Mark Loch
ADO Manager
ADDC

Celebrating



Our precious Dimple had a milestone birthday recently. How do we begin to express our gratefulness sharing in your friendship? Thank you for your classy and sassy attitude, always the consummate professional. I speak for many, I aspire to be like you!

Happy Birthday Dimple!!!

PRESIDENT	FIRST VP	SECOND VP	SECRETARY	TREASURER
Carla Adams	Pat Blanford	John Ezell	Ann Hallam	Peggy Loyd
DIR. OF EDUCATION	DIR. OF LEADERSHIP	DIR. OF PR	DIR. OF RULES	IMD. PAST PRESIDENT
Shar Fields	Polly Marek	Ian Stageman	Rebecca Edwards	Renee Durham

MAILING ADDRESS

*The Lone Star D&D Club of Dallas
P. O. Box 600416
Dallas, Texas 75360-0416*

ONLINE RESOURCES

*Club Website: www.lonestardandd.org
Facebook: [Click Here](#)
Public Calendar: [Click Here](#)
ADDC Website: www.addc.org
Club Email: info@lonestardandd.org
Texas Energy Council Website: www.texasenergycouncil.org*



Miscellaneous

2018 LoneStar Board

- 🌿 Pat Blanford - President
- 🌿 Ann Hallam - First Vice President
- 🌿 Janet Beavers - Second Vice President
- 🌿 Secretary - Rose Young
- 🌿 Treasurer - Peggy Loyd
- 🌿 Co-Director of Public Relations - Buffie Campbell
- 🌿 Co-Director of Public Relations - Yasmeen Sayed
- 🌿 Director of Education - Shar Fields
- 🌿 Director of Rules - Rebecca Edwards
- 🌿 Director of Leadership - Polly Marek
- 🌿 Immediate Past President - Carla Adams
- 🌿 Parliamentarian - Marsha Glass



Oil & Gas Glossary "A"

Abandon	(1) The proper plugging and abandoning of a well in compliance with all applicable regulations, and the cleaning up of the wellsite to the satisfaction of any governmental body having jurisdiction with respect thereto and to the reasonable satisfaction of the operator.(2) To cease efforts to find or produce from a well or field.(3) To plug a well completion and salvage material and equipment.
Abatement	(1) The act or process of reducing the intensity of pollution.(2) The use of some method of abating pollution.
American Petroleum Institute (API)	The American Petroleum Institute is the primary trade association representing the oil and natural gas industry in the United States.
Annulus	The space between: (1) The casing and the wall of the borehole.(2) Two strings of casing.(3) Tubing and casing.
API	American Petroleum Institute
Api County Code	An indicator developed by the American Petroleum Institute (API) to identify areas such as counties and other subdivision areas identified within state boundaries. Defined by API Bulletin D12A, as amended. This code becomes a part of the API Well Number.
Api State Code	The indicator assigned to a state, as defined in API Bulletin D12A, as amended. This code is a part of the API Well Number (The Api State Code for Colorado is 05).
Api Well Number	A well identifier assigned as defined in API (American Petroleum Institute) Bulletin D12A, as amended. The API Well Numbers are assigned by the appropriate state or federal regulatory agency.
Appraisal Well	A well drilled as part of an appraisal drilling program which is carried out to determine the physical extent, reserves and likely production rate of a field.
Associated Gas	A well drilled as part of an appraisal drilling program which is carried out to determine the physical extent, reserves and likely production rate of a field.

Merry Christmas



*From the Editor and Lone Star
Desk and Derrick Board*