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NOVEMBER 2013

# TULSA

Association of Petroleum Landmen

## Letter From the President

Fellow Members,

I hope you were able to make it to our November Dinner at the Summit Club. It seems crazy to think that as busy as our Fall Semester has been that November was our first dinner meeting of the year. We had a great turnout for Commissioner Dana Murphy. However, as good as our turnout was, our registration was "off the charts."

An unfortunate, but reoccurring, theme we have had as of recent is very high registration numbers, with only a fraction of that number actually attending the dinner meetings. To this affect I would like to remind everyone that the TAPL has to pay for each dinner that is ordered by your registration, whether you attend the dinner meeting or not. Having such a significant number of registrants failing to show is becoming an expensive and wasteful use of TAPL funds. I understand that plans can change and sometimes it is just easier to hit the "register" button than coordinating with your schedule, however, I would ask that if you are uncertain whether you are able to attend the dinner, please wait to register until you are able to commit. Likewise, if you learn that you will be unable to attend, please let Membership Director, Andrew Grimm, know that your plans have changed. Additionally, please note that we offer the option of registering for only the cocktail portion of the evening. Thus, even, if you are unable to join us for dinner, we would love to have you at the cocktail hour. By no means do I want to discourage attendance to our dinner meetings, rather quite the opposite is true. At the same time, I want us to be responsible with the funds at our disposal.

Remember, our next event is the Toys for Tots Christmas Social, which is scheduled for December 9, 2013. This is a wonderful event that the TAPL hosts benefitting the U.S. Marine Corps Reserve Toys for Tots Program (for more information please visit: <http://www.toysfortots.org>). It is highly encouraged that everyone brings a toy (or handful of toys) to the check-in table. There is neither a speaker nor a sit down dinner, so plan on staying for a bit, enjoying good appetizers, great drinks and even better company. I hope that we can have record attendance and more importantly, truck in loads of toys for the children of our community.

Look forward to see you on December 9<sup>th</sup>!

Robert Sher, RPL

TAPL President

918/560-7194



## 2013-2014 Board Members



|                          |                           |                                  |
|--------------------------|---------------------------|----------------------------------|
| Robert Sher, RPL         | President                 | rsher@cimarex.com                |
| Collin Sniff, RPL        | Vice President            | csniff@samson.com                |
| J. J. Chisholm           | Secretary                 | jjchisholm@viersenoilandgas.com  |
| Dwayne Allen, CPL        | Treasurer                 | dwaynedallen@yahoo.com           |
| Lawson Vogel, CPL        | Past President            | l.vogel@eaglerockenergy.com      |
| Andrew Grimm             | Membership Director       | agrimm@midcon-energy.com         |
| Curtis Johnson, RL       | Events Director           | cdjohnson@cimarex.com            |
| Karen Laughlin           | Communications Director   | tulsalandmen@gmail.com           |
| Bill Holder, CPL         | Benefits Director         | bill.holder@holcollc.com         |
| Raegan Schaffler, RPL    | Education Director        | rschaffler@brigadieroil.com      |
| Jack Taylor, CPL         | External Affairs Director | jack.taylor@qepres.com           |
| Hamel B. Reinmiller, CPL | AAPL Director             | h.reinmiller@eaglerockenergy.com |

# 2013-2014 TAPL Committees

|                                         |                                                                                            |                                                                                        |
|-----------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b><u>Education Committee:</u></b>      | <b><u>Director:</u></b><br>Raegan Schaffler, RPL<br>Brigadier Oil & Gas                    | <a href="mailto:rschaffler@brigadieroil.com">rschaffler@brigadieroil.com</a>           |
|                                         | Lori Daugherty, CPL<br>Bright Horizons Resources, LLC                                      | <a href="mailto:ldaugherty@bhrep.com">ldaugherty@bhrep.com</a>                         |
|                                         | Russ Hargrove<br>Samson Resources                                                          | <a href="mailto:rhargrove@samson.com">rhargrove@samson.com</a>                         |
|                                         | Tyler Beaty, RPL<br>Samson Resources                                                       | <a href="mailto:tbeaty@samson.com">tbeaty@samson.com</a>                               |
|                                         | Julie Ewing, RPL<br>Samson Resources                                                       | <a href="mailto:jewing@samson.com">jewing@samson.com</a>                               |
| <b><u>Benefits Committee:</u></b>       | <b><u>Director:</u></b><br>Bill Holder, CPL<br>Holco, LLC                                  | <a href="mailto:bill.holder@holcollc.com">bill.holder@holcollc.com</a>                 |
| <b><u>Mentoring:</u></b>                | Steve McNamara Jr.<br>Canyon Creek Resources, LLC                                          | <a href="mailto:smcnamara@ccrok.com">smcnamara@ccrok.com</a>                           |
|                                         | Joey Stauffer, CPL<br>PetroQuest                                                           | <a href="mailto:jstauffer@petroquest.com">jstauffer@petroquest.com</a>                 |
| <b><u>Scholarship &amp; Awards:</u></b> | <b><u>Chairman:</u></b><br>Hamel B. Reinmiller, CPL<br>Eagle Rock Mid-Continent Asset, LLC | <a href="mailto:h.reinmiller@eaglerockenergy.com">h.reinmiller@eaglerockenergy.com</a> |
|                                         | Ben Brown, RL<br>Apache Corporation                                                        | <a href="mailto:ben.brown@apachecorp.com">ben.brown@apachecorp.com</a>                 |
|                                         | Dianna Endicott, RPL<br>WPX Energy                                                         | <a href="mailto:dianna.endicott@wpxenergy.com">dianna.endicott@wpxenergy.com</a>       |
|                                         | Leo Kantowski, RPL<br>Samson Resources Company                                             | <a href="mailto:lkantowski@samson.com">lkantowski@samson.com</a>                       |
|                                         | Mike Hofstrom<br>Cimarex Energy Co.                                                        | <a href="mailto:mhofstrom@cimarex.com">mhofstrom@cimarex.com</a>                       |
|                                         | Mark King, CPL<br>Laredo Petroleum, Inc.                                                   | <a href="mailto:mking@laredopetro.com">mking@laredopetro.com</a>                       |
|                                         | David Korell, RPL<br>Newfield Exploration                                                  | <a href="mailto:dkorell@newfield.com">dkorell@newfield.com</a>                         |
|                                         | Greg Melton, CPL<br>Unit Petroleum Company                                                 | <a href="mailto:Greg.melton@unitcorp.com">Greg.melton@unitcorp.com</a>                 |
|                                         | Andy Matson<br>Bank of Oklahoma Trust Co.                                                  | <a href="mailto:amatson@bokf.com">amatson@bokf.com</a>                                 |
|                                         | Rhonda Stacy<br>Mid-Con Energy, LLC                                                        | <a href="mailto:rstacy@midcon-energy.com">rstacy@midcon-energy.com</a>                 |
|                                         |                                                                                            |                                                                                        |

# 2013-2014 TAPL Committees

|                                          |                                                                                                   |                                                                                      |
|------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b><u>Career Assistance Program:</u></b> | <b><u>Chairman:</u></b><br>Vickie Washburn, CPL                                                   | <a href="mailto:vwashburn2@cox.net">vwashburn2@cox.net</a>                           |
|                                          | <b><u>Membership Placement Coordinator:</u></b><br>Debi Langley, CPL<br>Langley Land Company, LLC | <a href="mailto:debradlangley@yahoo.com">debradlangley@yahoo.com</a>                 |
|                                          | <b><u>Corporate Relations Coordinator:</u></b><br>Brandon Ward, RPL<br>Associated Resources       | <a href="mailto:bward@aritulsa.com">bward@aritulsa.com</a>                           |
|                                          | <b><u>Publications Coordinator:</u></b><br>Scott Martin, RPL<br>Samson Energy Company             | <a href="mailto:smartin@samsonco.com">smartin@samsonco.com</a>                       |
| <b><u>Secretary Committee:</u></b>       | <b><u>Secretary</u></b><br>J.J. Chisholm<br>Viersen Oil & Gas Co.                                 | <a href="mailto:jjchisholm@viersenoilandgas.com">jjchisholm@viersenoilandgas.com</a> |
|                                          | <b><u>Historian:</u></b><br>Shane Saunders<br>Trident Energy, Inc.                                | <a href="mailto:shane.saunders@gmail.com">shane.saunders@gmail.com</a>               |
|                                          | <b><u>Photographer:</u></b><br>Shannon Robinson                                                   | <a href="mailto:srobinson@cimarex.com">srobinson@cimarex.com</a>                     |
| <b><u>Membership Committee:</u></b>      | <b><u>Director:</u></b><br>Andrew Grimm<br>Mid-Con Energy                                         | <a href="mailto:agrimm@midcon-energy.com">agrimm@midcon-energy.com</a>               |
|                                          | Rick Silman, RPL<br>Casillas Petroleum Corp.                                                      | <a href="mailto:rsilman@casillaspetro.com">rsilman@casillaspetro.com</a>             |
|                                          | Jimmy Stevens<br>New Gulf Resources                                                               | <a href="mailto:jstevens@newgulfresources.com">jstevens@newgulfresources.com</a>     |



# 2013-2014 TAPL Committees

|                                           |                                                                                                                                  |                                                                                    |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b><u>Events Committee:</u></b>           | <b><u>Director:</u></b><br>Curtis Johnson, RL<br>Cimarex Energy Co.                                                              | <a href="mailto:cdjohnson@cimarex.com">cdjohnson@cimarex.com</a>                   |
| <b><u>Golf Tournament:</u></b>            | Wink Kopczynski III, RL<br>Harriet Connolly, RPL<br>David Miller<br>Clark Daily<br>Joe Kidwell<br>Ben Brown, RL<br>Chase Beasley |                                                                                    |
| <b><u>Skeet Shoot:</u></b>                | Michelle Linton<br>Jim Mitschke<br>J. J. Chisholm<br>Greg Hambric                                                                |                                                                                    |
| <b><u>Communications Committee:</u></b>   | <b><u>Director:</u></b><br>Karen Laughlin<br>Independent                                                                         | <a href="mailto:tulsalandmen@gmail.com">tulsalandmen@gmail.com</a>                 |
| <b><u>Newsletter:</u></b>                 | <b><u>Editor:</u></b><br>Harriet Connolly, RPL<br>QEP Energy Company                                                             | <a href="mailto:harriet.connolly@qepres.com">harriet.connolly@qepres.com</a>       |
|                                           | Denton Smith<br>QEP Energy Company                                                                                               | <a href="mailto:denton.smith@qepres.com">denton.smith@qepres.com</a>               |
| <b><u>Website:</u></b>                    | <b><u>Committee Chairman:</u></b><br>Spencer Westfall<br>Orion Exploration Partners, LLC                                         | <a href="mailto:spencer@orionexploration.com">spencer@orionexploration.com</a>     |
| <b><u>Social Media</u></b>                | <b><u>Committee Chairman:</u></b><br>Cara Bruner<br>Unit Petroleum Company                                                       | <a href="mailto:cara.bruner@unitcorp.com">cara.bruner@unitcorp.com</a>             |
|                                           | Alaina Szlavy<br>Unit Petroleum Company                                                                                          | <a href="mailto:alaina.szlavy@unitcorp.com">alaina.szlavy@unitcorp.com</a>         |
| <b><u>Advertising:</u></b>                | <b><u>Committee Chairman:</u></b><br>David Connolly<br>Reagan Resources, Inc.                                                    | <a href="mailto:davidcharlesconnolly@gmail.com">davidcharlesconnolly@gmail.com</a> |
| <b><u>Communications:</u></b>             | <b><u>Committee Chairman:</u></b><br>Christine Roberts<br>Cimarex Energy Co.                                                     | <a href="mailto:croberts@cimarex.com">croberts@cimarex.com</a>                     |
| <b><u>External Affairs Committee:</u></b> | <b><u>Director:</u></b><br>Jack C. Taylor, CPL<br>QEP Energy Company                                                             | <a href="mailto:jack.taylor@qepres.com">jack.taylor@qepres.com</a>                 |
|                                           | Christen Stone, RPL<br>QEP Energy Company                                                                                        | <a href="mailto:christen.stone@qepres.com">christen.stone@qepres.com</a>           |



## Important Message from the Membership Director

Dear TAPL Members:

I would like to thank everyone who has renewed their membership and welcome our newest members to our organization. As your Membership Director, I would like to challenge our members to invite new qualified candidates engaged in Land Work within the Oil & Gas Industry to join TAPL and encourage your co-workers who have been members in the past to rejoin. Any expired members 3 years or less will be able to renew their previous membership until 12/27/13. After that date, they will no longer be able to renew your membership and they will have to fill out a new application through the website in order to reactivate your membership.

I look forward to seeing TAPL grow and can't wait to see everyone at our upcoming events.

If you ever have any questions, concerns, please do not hesitate to contact me at [agrimm@midcon-energy.com](mailto:agrimm@midcon-energy.com) or our Membership Administrator Grace Grimm at [gracegrimmtapl@gmail.com](mailto:gracegrimmtapl@gmail.com)

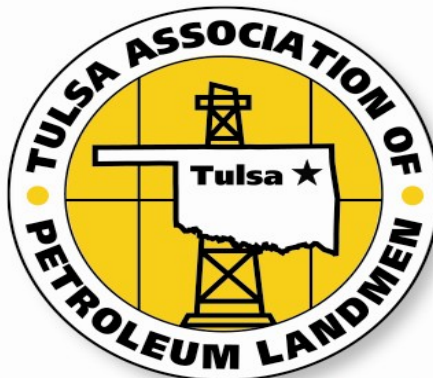
Best Regards,  
Andrew R. Grimm  
Membership Director



**MAC**  
**OIL & GAS INC.**

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*Energy Consultants*



**TAPL ANNUAL TOYS FOR  
TOTS FUNDRAISER  
& CHRISTMAS SOCIAL**  
**DEC. 9, 2013**

**30TH FLOOR SUMMIT CLUB**  
**5:00-8:00 PM**



*Please bring an unwrapped toy.  
Personal checks or cash will be  
accepted as a donation as well.*

**DON'T FORGET TO  
MARK YOUR CALENDARS**



Thanks to our sponsor:



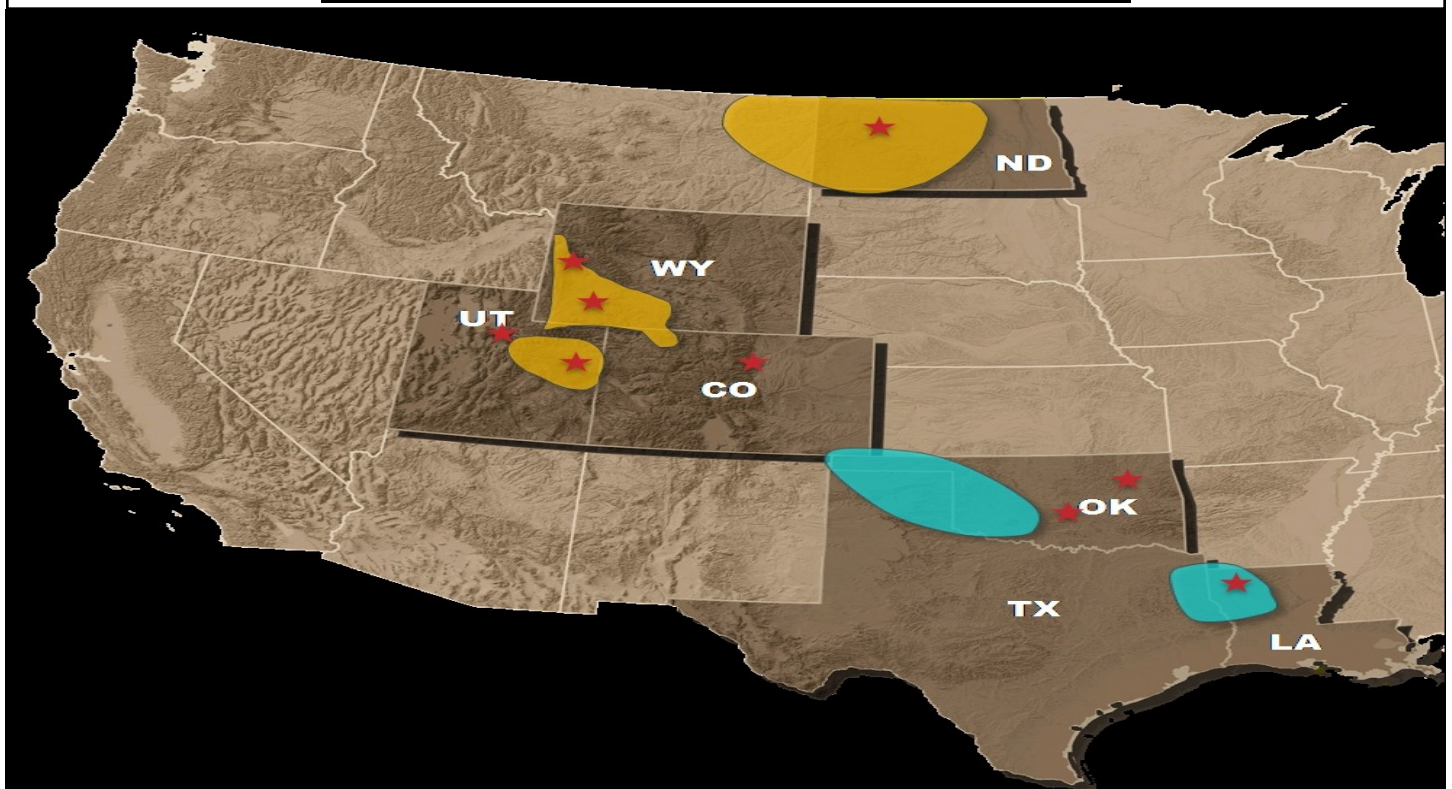
**PetroQuest**





**QEP Resources, Inc.**

**AREAS OF OPERATION**





# Welcome New Members!

|                         |                               |                                                                                      |
|-------------------------|-------------------------------|--------------------------------------------------------------------------------------|
| <b>Cameron Dullea</b>   | BlueStone Natural Resources   | <a href="mailto:cdullea@bluestone-nr.com">cdullea@bluestone-nr.com</a>               |
| <b>Daniel Wallace</b>   | BlueStone Natural Resources   | <a href="mailto:dwallace@bluestone-nr.com">dwallace@bluestone-nr.com</a>             |
| <b>Hank Latimer</b>     | iLandman                      | <a href="mailto:hankl@me.com">hankl@me.com</a>                                       |
| <b>Brittany Timmons</b> | Reagan Smith Energy Solutions | <a href="mailto:btimmons@rsenergysolutions.com">btimmons@rsenergysolutions.com</a>   |
| <b>Rami Jabara</b>      | Self-Employed                 | <a href="mailto:ramijabara@gmail.com">ramijabara@gmail.com</a>                       |
| <b>Natalie Framjee</b>  | New Dominion, LLC             | <a href="mailto:Natalie.framjee@newdominion.net">Natalie.framjee@newdominion.net</a> |
| <b>Jasie Parsons</b>    | New Dominion, LLC             | <a href="mailto:Jasieparsons@gmail.com">Jasieparsons@gmail.com</a>                   |



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| PHDWin     | Geographix |
| PowerTools | PETRA      |



## **Upcoming Educational Events**

### **Pooling Seminar - Fort Worth, TX**

Monday, December 02, 2013 (8:30 AM-3:00 PM)

### **Field Landman Seminar - Morgantown, WV**

Thursday, December 05, 2013 (5:00 PM-9:00 PM)

### **Fundamentals of Land Practices & OPTIONAL RPL Exam - Pittsburgh, PA**

Friday, December 06, 2013 - Saturday, December 07, 2013

### **WI/NRI Workshop - Fort Worth, TX**

Friday, December 13, 2013 (8:00 AM-3:30 PM)

### **JOA Workshop - Denver, CO**

Monday, December 16, 2013 - Tuesday, December 17, 2013

### **Landman 411 Series: Putting It All Together - Fort Worth, TX**

Monday, December 16, 2013 (1:00 PM-4:30 PM)

### **Fundamentals of Land Practices & OPTIONAL RPL Exam-The Woodlands, TX**

Thursday, January 09, 2014 - Friday, January 10, 2014

### **WI/NRI Workshop - Denver, CO**

Friday, January 10, 2014 (8:00 AM-3:30 PM)

### **JOA Workshop - Midland, TX**

Tuesday, January 14, 2014 - Wednesday, January 15, 2014

### **Oil and Gas Land Review, CPL/RPL Exam -Midland, TX**

Tuesday, January 21, 2014 - Friday, January 24, 2014

### **Due Diligence Seminar-San Antonio, TX**

Monday, January 27, 2014 (8:00 AM-3:00 PM)

### **Fundamentals of Land Practices & OPTIONAL RPL Exam - Nacogdoches, TX**

Monday, February 10, 2014 - Tuesday, February 11, 2014





## Upcoming Educational Events Continued

### Pooling Seminar - The Woodlands, TX

Friday, February 14, 2014 (8:30 AM-3:00 PM)

### WI/NRI Workshop - Tulsa, OK

Saturday, February 15, 2014 (8:00 AM-3:30 PM)

### Utah Land Institute - Park City, UT – **NEW INSTITUTE!**

Friday, February 21, 2014 (8:00 AM-5:00 PM)

### Oil and Gas Land Review, CPL/RPL Exam - Tulsa, OK

Tuesday, February 25, 2014 - Friday, February 28, 2014

### Field Land Practices - Boardman, OH with OPTIONAL RPL EXAM

Thursday, February 27, 2014 - Friday, February 28, 2014





### SPONSORSHIPS AVAILABLE

Sponsorship of our dinner meetings and socials is a great way to advertise to our membership. We offer sponsorships for our socials, dinners and pre-dinner cocktail hours. Each event costs only \$500 and your company logo is featured in our website, newsletter, emails about the event and on signage at the event, as well as recognition from the podium during the dinner.

Spaces fill up quickly so please reserve your spot now! Contact Karen Laughlin, [tulsalandmen@gmail.com](mailto:tulsalandmen@gmail.com).

Newsletter ads are a great and cost-efficient way to reach our membership at the following rates:

\$200 for 1/4 page ad

\$400 for 1/2 page ad

\$600 for full page ad

Each ad runs for nine issues and we offer a 50% discount if a newsletter ad is purchased in conjunction with a website ad (\$650 for one year). Contact Karen Laughlin, [tulsalandmen@gmail.com](mailto:tulsalandmen@gmail.com).

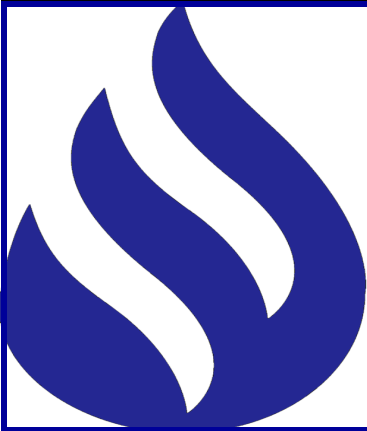
In the past these have been separate items in the newsletter. I don't mind them being together, but perhaps they are more effective as separate spots. I've attached the summer newsletter – please take a look and see what you think.

Thanks.

Karen Laughlin

TAPL Communications Director

918-355-3979



# PetroQuest

### **Note from the Secretary:**

Our committee is currently gathering photos of the TAPL Membership and/or Events. We are asking you to submit any old or new photos that we can add to the website. Our goal is to provide our membership with a website that shows an all encompassing view of our Association both historically and presently. Please contact any member of the Secretary's Committee with questions or ideas.

J. J. Chisholm

# Unconventional technology renews production for Mississippi Lime

LOGAN COUNTY, Okla.—The Mississippi Lime, or Miss Lime, is a conventional limestone reservoir that responds well to unconventional technology. For many operators in Oklahoma and Kansas, the Miss Lime pays out like many other shale plays in other parts of the country.

"The Miss Lime has been productive across most of the state of Oklahoma," said Kim Bradford, chief executive, Osage Exploration and Development Inc. "Historically, the Mississippian has been produced vertically, and now horizontal drilling and hydraulic fracturing are renewing production."

Typically, resource plays are homogenous in composition. According to Steve Slawson, vice president, Slawson Energy, "the Mississippi Lime is unique because it's not consistent." For many resource plays such as the Bakken, operations are somewhat more predictable with fairly consistent production from well to well. "In the Miss Lime you can drill a 500 b/d well right next to a 50 b/d well," Slawson said.

Osage Exploration (25%), Slawson Energy (45% as operator), and US Energy Development (30%) are partners on the Nemaha Ridge project in Logan County, Okla. Cumulatively, the companies hold approximately 32,000 net acres in the county.

Drilling on the prospect was initiated in December 2011. In April 2012, Osage reported that its Wolf 1-29H produced 733 b/d of 40° API gravity oil and 863 Mcfd of gas in its first 30 days. The well was drilled to a vertical depth of 5,816 ft, with a lateral step out of 4,104 ft. It was fraced in 12-stages. As of February of this year, the well has shown cumulative production of 91,742 boe.

The Miss Lime is predominantly heterogeneous. "Over any 300-, 600-, or 1,000-yard span the rock can be highly differentiated," Bradford said.

Operators such as Chesapeake and Sandridge kicked off the play in 2009, mostly in the northern part of the state in Woods, Garfield, and Alfalfa counties. For this portion of the play, the production comes primarily from the "chat," which is not a geological term but jargon used to describe the highly porous, water-bearing zone of reworked tripolyte that was redeposited on top of the solid member of the Mississippian and is represented by an average porosity of about 30%. These wells typically come in half gas and half oil for the first week of production with a 90% water cut. "Even if you're producing 5,000 to 6,000 b/d of water with a with a 10% oil cut, that's 500 to 600 b/d of oil and that's not a bad well," Bradford said.

The Miss Lime, when it has natural fractures, typically has a lower cost per well. In some cases, drilling and completion expense can total half and even a fourth of a typical unconventional well due to the low-horsepower required.



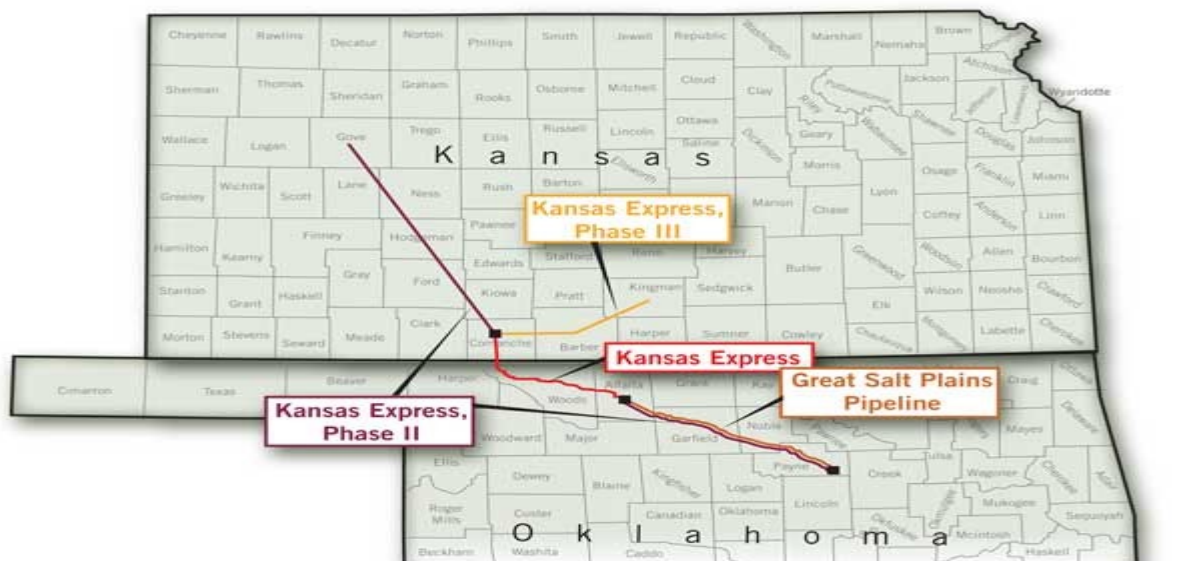
**Osage Exploration announced** in April that it had spud 10 wells this year to date, fully 50% ahead of its 20-24 planned wells for 2013. Photo from drillsite in Logan County, Okla.

## Unconventional technology renews production for Mississippi Lime continued

In the partnership's Nemaha Ridge project, only the solid member of the Mississippian is present. "Our production is very different," Bradford said, noting that to date wells have come in at 80% to 85% oil, 15% to 20% high-btu gas with an initial water cut of 50%, and dropping from there.

With its proximity to the Nemaha Ridge, the Logan County project benefits from the highly fractured nature of the Mississippian Limestone. When the Nemaha Ridge occurred, it resulted in a 300-ft vertical throw. "That was a dramatic tectonic event," Bradford explained. Logan County lies on the east side of the ridge in central Oklahoma.

Directly to the west, in neighboring Kingfisher County, the Mississippian pay is on average around 600-ft thick. Historically, this region comprises the highest concentration of vertical wells in the state and boasts the highest cumulative production throughout Oklahoma. To the east in Logan County, which was the upthrown side when the ridge occurred, the Mississippian was highly eroded and today has a thickness of approximately 300 ft. Due to the thickness of the formation west of the Nemaha Ridge, vertical development prior to the advent of horizontal drilling gravitated to the Kingfisher side where the formation is twice as thick, leaving the formation pressure on the east side of the ridge relatively untapped. "Historically, these vertical wells used very few fracs, if any," Bradford said. "They tended to come on quickly and then rapidly decline." Horizontal drilling is now allowing operators to access thinner, less developed zones, which is the case in Logan County.



Source: JP Energy Partners

**JP Energy Partners** announced in April that it had completed its open season and was proceeding with construction. The first phase of the pipeline will provide transportation from Coldwater, Kan., to Cushing. Future phases of the project will extend the pipeline North to Gove County, Kan., and East to Kingman County, Kan.

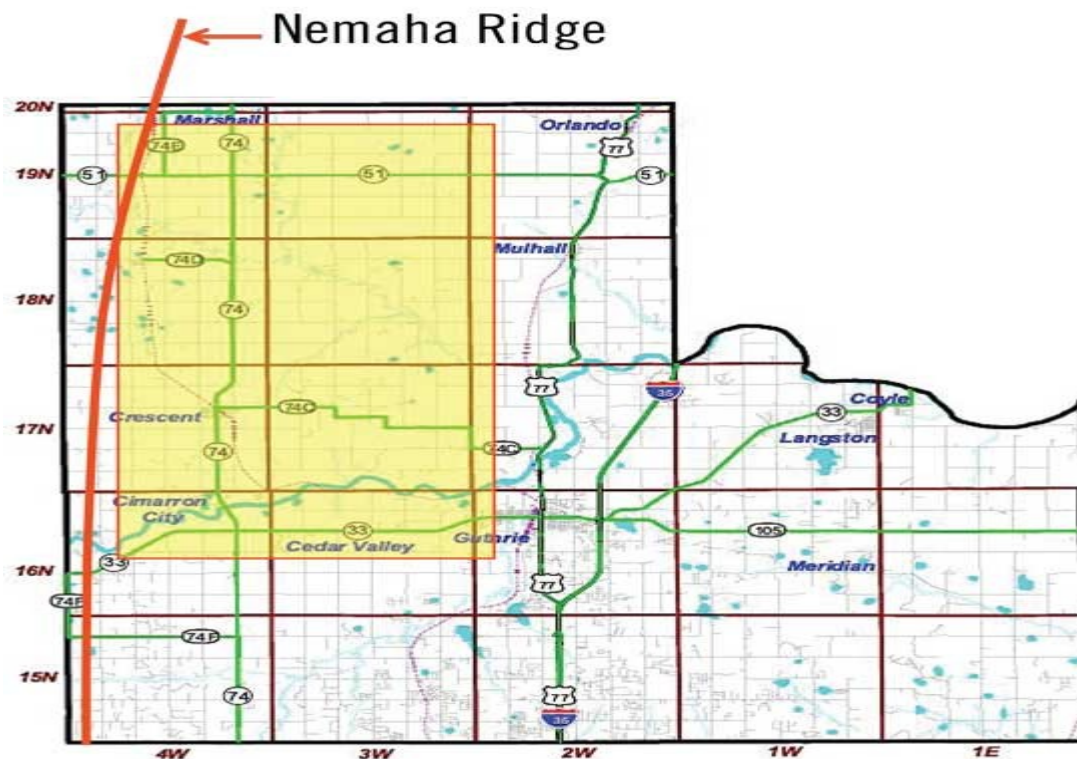
Multi-

stage

fracturing has equalized production, and the formation as it exists in Logan County has proven to be somewhat homogeneous. "There are thick and thin zones in this portion of the Miss Lime, but overall it's been fairly consistent," Bradford said. It is perhaps too early to tell, but the partners are hopeful that horizontal drilling and hydraulic fracturing will extend well life in the project beyond that of nearby historical production.

The partnership drilled and completed nine wells in 2012, accelerating from one rig to two rigs drilling continuously in the fourth quarter, with each well taking approximately 25-28 days to drill at an average cost of \$3.5 million per well. With an accelerated drilling plan, the partnership announced in April of this year that it had spud nine wells to date in 2013, fully 50% ahead of its plan to drill 20 to 24 wells for the year. It had eight wells in production and an additional 12 wells in various stages of drilling, completion, and flowback.

## Unconventional technology renews production for Mississippi Lime continued



**Logan County, Oklahoma** Osage Exploration (25%), Slawson Energy (45% as operator), and US Energy Development (30%) are partners on the Nemaha Ridge Project (in Yellow), which encompasses approximately 32,000 net acres.

*Source: Osage Exploration and Development Inc.*

Largely, horizontal drilling and hydraulic fracturing have revolutionized operators' abilities to garner new production from historical reservoirs like the Miss Lime.

"The Miss Lime is not an unconventional play, but it's attractive due to its huge aerial expanse and low economic risk," Slawson said.

### **On the northern boundary**

Tug Hill Operating, a division of Fort Worth, Tex.-based Tug Hill, has had a presence in Kansas since Nov. 2011. The company drilled its first well in March 2012 in Comanche County, and it now holds a vast acreage position throughout 26 counties. "This has provided a lot of target areas, which we have found to be different geologically," said President and CEO Michael Radler.

Tug Hill Operating's drilling activity to date has been primarily in Comanche (six wells), Barber (four wells), Hodge-man (three wells), Kiowa (one well), and Ness (one well) counties. "We have approximately 12 wells staked and permitted in six counties in Kansas," Radler said.

Tug Hill Operating is currently the largest privately held oil and gas company targeting the Mississippian Lime formation; it is also the third-largest lease holder in the play with more than 800,000 leasehold acres. "In the case of the Mississippian Lime play, unconventional means different things," Radler said. By definition, an unconventional play is one that does not conform to what is generally believed. "In our opinion, the trapping mechanism is what makes this play unique," Radler noted. "In the past, the play has been developed with vertical wells drilled and completed in a conventional manner, however, a lot of oil and gas remains in the play due to its complex geological makeup," he explained. What has remained is now being produced by means of horizontal drilling and multistage fracturing.



## Unconventional technology renews production for Mississippi Lime continued

Tug Hill Operating's primary focus is on drilling and producing clean natural gas in the US. While the company is actively developing the Mississippian Lime in Kansas, it has other targets in its sights. "At this point, we have drilled one horizontal well in the Chattanooga shale, and we are waiting on completion," Radler said. "Once we evaluate the science, including logs and cores, we'll determine next steps in our drilling schedule." The company sees other secondary targets on a region-specific basis, including among others Lansing/Kansas City, the Marmaton, and the Viola.

### **Infrastructure growth**

"Existing crude pipeline infrastructure in Kansas does not accommodate near- or long-term oil production from the Mississippian Lime play to Oklahoma without extensive trucking, and Cushing, Okla. is our preferred market," Radler said. In January the company signed a 15-year agreement with JP Energy Development, an affiliate of JP Energy Partners, to transport crude oil from south-central Kansas to Cushing via the Kansas Express, a new interstate crude oil pipeline. The company dedicated 600,000 acres to JP Energy Development to move oil to market.

The Kansas Express will be the second pipeline in the Mississippian Lime play for JP Energy Development, and it will have capacity to take on additional producers. The pipeline will most likely facilitate more production for producers in both northern Oklahoma and Kansas. For Tug Hill Operating, the added infrastructure will give it access to the Cushing market and limit the number of trucks on Kansas highways.

JP Energy Partners announced in April that it had completed its open season and was proceeding with construction. The first phase of the pipeline will provide transportation from Coldwater, Kan., to Cushing. Future phases of the project will extend the pipeline north to Gove County, Kan., and east to Kingman County, Kan. Actual construction of the 12-in. pipeline is expected to begin this quarter with completion targeted for fourth-quarter 2013.

Oil & Gas Journal, . "Unconventional technology renews production for Mississippi Lime." *Oil & Gas Journal*. Oil & Gas Journal, 1 May 2013. Web. 27 Nov 2013. <<http://www.ogj.com/articles/uogr/print/volume-1/issue-1/miss-lime/unconventional-technology-renews.html>>.

The logo for CIMAREX features the company name in a bold, white, sans-serif font. The letters are set against a black rectangular background. To the right of the black rectangle is a large, solid red triangle that points upwards and to the right, partially overlapping the black area. The overall design is modern and high-contrast.

## AAPL Quarterly Board Meeting Report

### Seattle, WA



After winning the “Greatest Increase of AAPL Membership Award” at the 2013 Annual Meeting in June in Washington DC and attending Director Training in Ft. Worth in August, it was a tremendous honor to represent the TAPL when the AAPL Board convened in Seattle Washington for their quarterly Board Meeting on September 15<sup>th</sup>, 2013. Following the seating of 17 new Directors (your’s truly included) and approval of the June Minutes, which included the announcement of Nashville as the 2015 Annual Meeting host city your AAPL Board began extensive discussions on a number of challenging topics and issues that face our Association today. These areas of emphasis include the Policy Manual, Strategic Plan, Marketing Strategy, Budget, Ethics, Education & Certification. It was Don Key’s first Quarterly Board Meeting as President and both he and his Executive Committee handled the business of our Great Association with extreme Professionalism. I suspect that AAPL has now crossed the 20 Thousandth Member Mark and with an increasingly strengthened financial foundation there are increasing opportunities for new marketing programs that better represent our profession and a host of educational opportunities and other member benefits. The Board will convene again on December 8<sup>th</sup> at the Greenbrier in West Virginia.

If you are not an AAPL member, I would like to encourage you to join our National Landman’s Association (AAPL). Not only does AAPL offer networking, continuing education, marketing and deal making opportunities in every basin around the world, they also actively monitor and lobby for legislative and regulatory developments across the country that affect our industry. Perhaps most importantly, all AAPL members are subject to the AAPL Code of Conduct and AAPL Code of Ethics which encourage all members of our profession to act professionally and ethically in the course of our day to day business. AAPL provides avenues of continuing education and certification for its members, all of which work to ensure to the general public’s well deserved trust as they encounter Landmen of the highest ethical and professional standards.

If you have questions or concerns, please don’t hesitate to reach out to me so that I can more clearly describe the ongoing efforts of AAPL’s Board to serve its members and advance our industry!!

Sincerely,

*Hamel B. Reinmiller, CPL*

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AAPL Director