Los Angeles Basin Section
Society of Petroleum Engineers

Recipient of the 2011 SPE President's Section Award for Excellence

A Message from the Chair

WRM a Success! A Group Effort

This month I have the pleasure of reporting that the SPE 2015 Western Regional Meeting at the Orange County Hyatt Regency was completed successfully. Also, the Golf Tournament, which was down-sized to one course, was enjoyed by all and was financially successful. Not all of the statistics for the meeting or the golf tournament have been developed as of yet, but I can give you a few:

- Total attendance for the Meeting exceeded 380.
- The attendance figure included about 150 students from 20 universities across north America
- The total attendance at the 4 short courses was about 38 with over half of the registrants signing up in the last 3 – 4 days before the meeting.
- 20 Exhibitors in a space that also served as a lively networking hub throughout the conference
- About 30 meeting attendees participated in the pre-conference tours – more details to follow
- 170 attended the Awards and Keynote Luncheon – SPEI President Helge Haldorsen gave a most enjoyable and informative keynote address at the luncheon (sorry if you missed it!)
- Financially, the meeting will be in the black so our Section will get its seed money returned. However, any distribution of excess funds to the Western Region Sections will be minimal.
- The Student Paper Competition held in conjunction with the WRM was also successful with 16 papers entered

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PETROLEUM TECHNOLOGY FORUM, TUESDAY MAY 12TH

The next Petroleum Technology Forum is "What Makes an Oil Well Tick - Back To Basics " by Andrew Seto, California Resoures Corporation, on May 12th. *Details follow on page 3 ...*

Location:	Time:	Cost:
Long Beach Petroleum Club 3636 Linden Avenue Long Beach, CA 90807	Registration: 11:30 AM Buffet Lunch: 11:30 AM Presentation: 12:00-1:00 PM	$25.00 members, $30.00 non-members, Free for 1st 4 students, others $5 each

Message from the Chair...*continued from page 1*

- The GOLF Tournament went well with 168 golfers and will make a contribution to the Section's Scholarship and Outreach funds – see Rick Finken's report in this Newsletter

The WRM Organizing committee deserves the considerable credit and our congratulations for the success of the meeting:

- Baldev Gill – Conference Co-Chair and Finance Committee Chair
- Andrei Popa – Technical Program Committee Chair
- Brian Tran -- Exhibits & Sponsorships Committee Chair
- AB Gorashi – Short Course Committee Chair
- Steve Cheung -- Registration Committee Chair
- Uduak Ntuk – Field Trip Committee Chair
- Larry Gilpin -- Website and Communications Committee
- Dr. Iraj Irshaghi -- Student Paper Contest Organizer
- Tom Walsh -- SPE Western Regional Director & Conference Advisor

In addition we had invaluable assistance from our supporting Contractors and Volunteers:

- Michelle Gentzen -- Conferences Direct
- Pam Whitney (and husband John) -- Registration

- Kelly Frankiewicz – On-Site Speaker/Session Coordination (Volunteer)
- Over 60 Student Volunteers from all 4 LA Basin Chapters – with by far the largest number coming from a very enthusiastic USC Chapter

Finally we have to thank Mike Filbey and his Golf Tournament Committee for their dedicated efforts to organize and hold the event. Getting sponsors and funding for the tournament was much more difficult due (again) to the consequences of low oil and gas prices.

Our thanks to all of the above and to those who served on the various planning committees for your dedicated and unfailing service in the face of the severe economic trauma our industry was experiencing during the time that the planning for WRM 2015 and the Golf Tournament was in progress. The WRM attendees were pleased with the quality of the program, with the venue arrangements, and with the networking opportunities. The Golf Tournament players simply know how to have a good time, economic circumstances not withstanding. So our primary objectives of technical information transfer, training, and the building of relationships among our members were achieved. For that we are grateful.

Sincerely,
Ted Frankiewicz
SPE LA Basin Section Chair 2014-2015

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LASPE Website
connect.spe.org/LosAngelesBasin/Home

FORUM FROM PAGE 1 . . .

PETROLEUM TECHNOLOGY FORUM

TUESDAY MAY 12TH

What Makes an Oil Well Tick - Back To Basics

by Andrew Seto, CRC

Abstract
In the reservoir management of oil fields, reservoir engineers often need to provide rate estimates for the economic evaluation of infill producer and/or well stimulation/conversion programs. In the case of acquisition, quick and realistic estimates of potential upsides in incremental oil production volume and reserves are critical in the multi-million, or multi–billion -dollar decision making process.

This presentation will describe the basic reservoir parameters that affect oil production rates, and how to estimate ultimate oil recovery factors from improved oil recovery schemes (i.e. waterflood, miscible gas flood etc.).

Biography
Andrew is currently the Chief Reservoir Engineer for Central Valley Operations at California Resources Corporation. He has over 30 years of experience in reservoir characterization, modeling, evaluation, planning and management of oil and gas properties. Andrew has worked for major oil and gas companies, including Imperial Oil (ExxonMobil affiliate), Husky Energy, Penn West Exploration, in various specialist and management capacities. He was instrumental in the success of many EOR projects involving thermal oil recovery, hydrocarbon miscible flood, CO_2 flood, chemical flood, and tight oil resource development, in Canada, U.S.A., New Zealand, China, India, Albania and the Middle East. He holds a B.Sc. degree and a M.Sc. degree in Civil Engineering, both from the University of Alberta.

Come join the LASPE Young Professionals for our next networking event:

Congregation Ale House
201 E. Broadway Ave.
Long Beach, Ca.

Thursday, May 28th 5:30-7:30.
Happy Hour is 3-7pm.
Appetizers and snacks will be provided.

Congregation
ALE HOUSE CHAPTERS

2015 Charity Golf Tournament Report

It always starts with Weatherford's excellent BBQ which has gotten better and better each year. There was plenty to eat and drink and take with you on the course. There was an enthusiastic crowd of 168 golfers who warmed up with a bucket of balls, participated in the pitching and putting contest or just visited and networked with friends and colleagues.

It was warm, but there was a nice breeze. And the course refreshment cart made the rounds several times in case teams got thirsty. Play finished up around 7:00 and everyone enjoyed meeting at the clubhouse bar and having a few cool ones. The banquet and mega-raffle rounded out the event.

The Charity Golf Tournament is the Society of Petroleum Engineers Los Angeles Basin Section's main fundraiser. It supports our community outreach actives which include MESA Day at Cal State University at Long Beach and USC and judging and prizes for outstanding entries at various Science Fairs in LA. The largest use of funds is the support of High School and College student scholarships and the ongoing support of university students at USC, UCLA, CSULB and UCI to help fund attendance at major petroleum engineering technical events. This year, the attendance of a sizeable contingent of students was partially funded at the LASPE hosted Western Regional Conference in Anaheim which ended April 30th, just preceding the tournament.

All these activities are supported by LASPE volunteers, as is the Charity Golf Tournament itself. Many thanks to our core volunteers Juan Santillan, Scott Walker, Wes Wisdom, Rosie Domino (and friends), Rick Finken, Phil Randle, John Olson and especially our Chairman Emeritus Mike Filbey. They helped on the course and at the banquet with raffle ticket sales, prizes, awards and the basic organization of the day.

And a big thanks to everyone who played and who made this year's Charity Golf Tournament a success!

PHOTOS FROM APRIL 14TH
PETROLEUM TECHNOLOGY FORUM

Managing Your Future as a Petroleum Engineer

by Val Lerma, Interact

LASPE SCHOLARSHIPS APPLICATION NOW OPEN

Dear fellow LASPE members and applicants,

It is the board of director's pleasure to announce the 2015-2016 scholarship program. The program has been updated with a larger budget and wider criteria to attract those engineering students that are committed to the Petroleum Industry. Our goal is to promote local interest in up and coming talent who will be the future of our industry. We want to encourage students to pursue science and engineering curriculums and to increase their awareness of career opportunities in the petroleum industry. The LASPE awards scholarships to local university graduates, undergraduate students and local high school students.

We want to thank the all of the companies, members and contributors who participate in our events, workshops and activities. These activities and the funds generated are the lifeblood of our program that enables us to award scholarships to deserving students for years. Please refer the scholarship announcement and application to a promising candidate if you know one. The LASPE scholarship committee will reach out and spread the word to local universities as well.

For more information, contact:
LASPEscholarship@gmail.com
brian.tran@bakerhughes.com
Announcement and applications online at:
http://connect.spe.org/losangelesbasin/aboutus/scholarships

Details:

- Two awards of $500 each to high school students.
- A minimum of four undergraduate scholarships of $1,000 each or more; USC, UCLA, UCI and Cal State Long Beach. Minimum of four awards, one for each university contingent upon applicant pool.
- A minimum of four scholarships for Master Students of $1,000 each or more, of which Bruce Davis Scholarship will be for the USC award, and 3 others for top Masters Students at UCLA, UCI and CSLUB based on GPA and extracurricular activities. Contingent upon applicant pool.
- Two Graduate Student Awards for Excellence of $1,500 each for the most outstanding contribution to the Oil & Gas industry. Can be project, paper, thesis, etc.

continued next page...

LASPE SCHOLARSHIPS - CONTINUES

- Candidates who are relatives of SPE Members from outside local schools will be considered as long as they pursue a technical degree path towards the petroleum industry.

The Scholarship committee will accept applications through June 30th and select recipients by August 31st. The awards will be presented to students at a special meeting in September.

Scoring Criteria and considerations:

Merit Based scholarship

High School, Undergraduate & Graduate Scholarships

PhD candidates only eligible for Awards of Excellence.

- GPA of 3.3 or higher
- Complete scholarship application
- Must be pursuing technical degree field
- Maintain full time academic load/full time student status for upcoming terms
- Active member of SPE (Student Chapter or L.A. Basin Section)
- Research Project, Paper or Thesis – Synopsis/abstract attachment. 300 words max
- Internships served – When, Where & Duties
- Consideration for activity serving the industry and supporting SPEI section/chapter
    - Section participation
    - Industry event participation
    - Volunteerism at events
    - Attendance of workshops/meetings
    - Young Professionals
- Personal statement of interest in pursuing career in oil & gas industry – 100 words or less

This announcement and the scholarship application can be found online:
http://connect.spe.org/losangelesbasin/aboutus/scholarships

LASPE MEMBER STEVE CHEUNG RECEIVES 2015 REGIONAL SERVICE AWARD

Society of Petroleum Engineers
Calgary • Dallas • Dubai • Houston • Kuala Lumpur • London • Moscow
www.spe.org

April 8, 2015

Sent via email to: steveIOR@yahoo.com

Dr. Stephen Cheung
PO Box 2163
Yorba Linda, CA 92885

Steve,

On behalf of the Western North America Region, it is my honor to inform you that you have been selected to receive the 2015 Regional Service Award. This award is an acknowledgement of your outstanding contribution in this area at the regional level. It is personally gratifying for me to be able to make this award, as I have seen firsthand just how dedicated you are to SPE. Your leadership as the Chair of the LA Basin Section set a new standard for that role, particularly in the area of creating innovative programs for members. Your work as Co-Chair of the first ever Joint Western North America-Rocky Mountain Region Meeting was outstanding, and the conference could not have happened without your commitment and effort. There are so many other examples of your dedication to SPE, but I also wish to recognize your contribution to WNAR as the Secretary of the WNAR Council. It has truly been my pleasure to work with you, and I am thrilled to be in a position to deliver this well-deserved award.

As one of our prestigious award winners, your name will be listed on www.spe.org. The award will be presented to you at the Western Regional Meeting in Anaheim, CA at the Awards Luncheon on April 29. I sincerely hope you will be able to attend to personally accept your well-deserved award.

Congratulations on this outstanding achievement.

Sincerely,
Tom Walsh

Tom Walsh
Director, Western North America Region

2015 WRM PHOTOS

WRM BILLION BARREL BIKE RIDE

On Monday, April 27, John Jepson of LASPE guided one of the opening events of the 2015 SPE Western Regional Meeting: The Billion Barrel Bike Ride. The ride started at the transit center on First Street in downtown Long Beach, and went from there to the waterfront. There John oriented the tour group, including the fact that all of the current waterfront and the adjacent area is landfill from when the port of Long Beach was constructed. The photo at right, taken from the waterfront, shows the container cranes at Pier J in the port.

One of the subjects of the tour was the City's ongoing effort to monitor ground movement and prevent subsidence due to oil production. In the photo at left, John Jepson (second from the left) is standing next to a high-precision GPS unit, being used to collect data for a twice-yearly report on subsidence in Long Beach. The other 3 people are participants in the Billion Barrel Bike Ride.

The view at right is Island Grissom, part of the THUMS oilfield, as seen from the bike trail along the beach. Production wells from the THUMS islands reach back under the land and produce oil from under the city.

After riding along the beach, the tour turned inland and went by Long Beach Marine Stadium and the suburban oil production facilities in that area.

WRM BILLION BARREL BIKE RIDE

Next the tour riders zig-zagged through residential streets and Recreation Park, gradually gaining elevation. Eventually there was no avoiding it; we faced the challenge of pedaling up Hill Street to Temple Avenue. Most of the riders walked their bikes on the steepest part of hill. Hill and Temple is the location of the discovery well of the Signal Hill Field, shown at left. This may be the only place in southern California to have a welded-pipe fence with the posts capped with drill bits and the fence rails decorated with model pump jacks.

In the aerial view above (from Google Earth) the Signal Hill discovery well is at the lower right. The Billion Barrel Bike Ride group made our way around the crown of the hill on the winding Panorama Drive, at the top of the photo, to the circular park at the upper left. John Jepson pointed out that Hilltop Park is actually built on top of a city water tank.

WRM BILLION BARREL BIKE RIDE

Looking at the hazy photo above you may be able to make out the skyline of downtown Los Angeles, as seen from Hilltop Park in Signal Hill. You probably cannot make out the hill which is the location of the Dominguez Oil Field, but it is there, and our tour guide pointed it out.

He also pointed out some of the historic sites near the hill, including the parts of the city of Signal Hill where "town lot" drilling took place that inspired the early chapters of Upton Sinclair's novel, Oil! (Later made into the movie, There Will be Blood.)

Looking west from Hilltop Park we could see where we were going to complete the tour in downtown Long Beach. The steep descent down the west side of the hill was no effort. I did have a new experience - that's the first time I ever had the brakes on my bicycle make the wheel rims too hot to touch.

The tour went along Cherry Avenue, and stopped at some other oil field sites, such as injection wells in the local Home Depot parking lot, and a producing well adjacent to the drive-thru of a McDonald's. We then made our way to Walnut Avenue and headed south under the blooming jacaranda trees, making our way back to First Street and back to the starting point.

In about half a day, we covered 16 miles of bicycle riding, 100 years of history and over a billion barrels of oil production. It was a pretty nice day and a very worthwhile experience. If Mr. Jepson ever guides another cycling tour, I would recommend it to you.

2015 WESTERN REGION STUDENT PAPER CONTEST

The 2015 SPE Western Region Paper contest was conducted on Tuesday April 28th in conjunction with the SPE conference in Garden Grove California. Students from Stanford, University of Southern California, University of Alaska Fairbanks, Cal State Bakersfield and Cal Poly San Luis Obispo participated in the contest. This year there were 6 in the BS, 6 in the MS and 4 in the PhD categories.

During the award ceremony Dr. Ershaghi from USC, whose student SPE Student Chapter hosted the event, praised all contestants for their leadership skills to manage their time and on top of their other academic responsibilities prepare and present a paper at the contest. SPE President Helge Haldorsen and Western Region North America Director Tom Walsh greeted all the contestants and introduced the winners. Mr. Uduak Ntuk served as the coordinator with the judges. Funding for the event was contributed by the Los Angeles Basin Section of SPE, San Joaquin Valley of SPE and the regional Director Discretionally Fund. Several faculty members, Western Region Conference Co-Chair Mr. Baldev Gill and many of the judges, some L A Basin Board members, former SPE President Dr. Ganesh Thakur and other students attended the dinner banquet. Lawrence Bustos, the Chapter President at USC and his officers were thanked for coordinating the details of the contest and the banquet.

The 2015 Western Region winners were announces as listed below:

Undergraduate Division
First Place: Miss Leilani Rebolledo from USC
"Errors in Estimating Interporosity Flow Coefficient in Naturally Fractured Reservoirs"

2nd Place: Miss Yasmin Bashirova, Stanford University
"The Effects of Production History on Well Analysis"

Third Place: , Cal Poly San Lis Obispo
"Thermodynamics and Fluid Simulation of Produced Gas"

MS Division
First Place: Mr. Pannayod Kritsadativud, USC
"Fast Production Optimization with Decline Curve Analysis Under Facility Constraints: A Field Case Study"

2nd Place: Mr. Larry Jin, Stanford
"Application of Reduced Order Modeling for CO_2 Sequestration"

3rd Place: Mr. M . Mehdi Mollanouri, USC
"Conductivity of Proppant Packs: An Integrated 3D Discrete Element and Lattice Boltzman Method Approach"

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2015 WESTERN REGION STUDENT PAPER CONTEST *CONTINUES*

PhD Division

First Place : Mr. Hamza Aljamann, Stanford
"Multi-Component Physical Sorption Investigation of Gas Shales at the Core Level"

2nd Place: Mr. Mohammad Reza Khaninezhad, USC
"Sparse Geological Dictionaries for Field-Scale History Matching"

Back Row L-R
Pannayod Kritsadativud, USC, Mr. Larry Jin, Stanford, Hamza Aljamann, Stanford, M . Mehdi Mollanouri, USC, Uduak Ntuk, L A Basin Section SPE, Reza Khaninezhad, USC

Front Row: L-R
Yasmin Bashirova, Stanford University, Tom Walsh, SPE Western Region Director, Baldev Gill, Co-Chair Western Regional Conference, Helge Haldorsen SPE President, Leilani Rebolledo from USC.

Not shown: Danielle Lauinger

SPE STUDENT CHAPTER NEWS

CSULB Student Chapter Report

THUMS Island Tour

SPE members from the CSU Long Beach chapter were invited to a THUMS Island tour on April 23, 2015. Students learned about upstream operations and procedures taken to extract oil from the oil field, as well as horizontal drilling, production testing, and flowback and drilling operations. The journey for students began with a safety briefing followed by a boat ride to one of the artificial islands and continued with a guided tour by Uduak Ntuk, a SPE member and Petroleum engineer for the city of Long Beach. Throughout the tour, Mr. Uduak Ntuk answered any questions students had about the oil field or operations. Ending this unique adventure, CSULB students returned to the pier with a new perspective on THUMS Islands and petroleum engineering.

Western Regional Meeting 2015

CSULB SPE chapter officers and students attended the Western Regional Meeting 2015 in Garden Grove, California. We participated in the Regional Officers Meeting and shared our chapter news with other schools. It was a great time to introduce ourselves and also learn what other chapters have done. We also had a chance to volunteer at the Award Dinner/Welcome Reception on Tuesday, April 28th 2015. Overall, the Western Regional Meeting was a great event where we were able to learn more about petroleum industry and make our chapter step forward by interacting with other student chapters.

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SPE STUDENT CHAPTER NEWS

CSULB Student Chapter Report *Continues*

Chapter Board Meeting with SPE Chapters Manager Team

Erin O'Sullivan and Monica Vale from 'SPE Sections and Chapters Manager' team visited CSULB SPE student chapter on Thursday, April 30th, 2015, and the chapter officers and faculty advisor, Dr. Torabzadeh welcomed them.

We shared the history of the student chapter at CSULB and what CSULB SPE chapter has done for Spring 2015 semester, such as Industry speaker meeting, MESA Days volunteering, and Thums Island tour.

Erin and Monica also shared their ideas to make better student chapter, such as officer transition training program, senior-freshman mentoring, and guest speaker invitation sources. It was very great to meet them and learn how to improve our student chapter.

SELECTED SPE UPCOMING EVENTS - 2015

Date	Title
May 12*	What Makes an Oil Well Tick - Back to Basics Andrew Seto, Chief CRC Reservoir Engineer Central Valley Operations
June 9*	Advanced analysis of fracture gradients and injectate plume migration to support more stringent injection well permitting in CA By Michael S. Bruno, PhD, PE, GeoWell Services
	Note: * LASPE Board meeting starts at 10:30 a.m. and all members are welcome to observe

DEADLINES FOR NEWSLETTER ARTICLE SUBMISSION

Month	1st Submission Call	Last Submission Call	No Submissions Accepted After	Newsletter Publish Date
June	5/18/15	5/25/15	5/29/15	6/1/15
September	8/17/15	8/24/15	8/29/15	9/1/15
October	9/14/15	9/22/15	9/28/15	10/1/15
November	10/19/15	10/26/15	10/30/15	11/2/15
December	11/16/15	11/23/15	11/28/15	12/1/15

LASPE BOARD MEETING MINUTES
BOARD OF DIRECTORS MEETING, MARCH 10, 2015

Attendance:

Ted Frankiewicz, Section Chair 2013-2014 and Board Member 2015 (Held Christian Vaccese's Proxy)
Baldev Gill, Junior Past Chair (Held Uduak Ntuk's Proxy)
Brian Tran, Scholarship Committee and Board Member through 2016
Robert Schaaf, Program Chair and Board Member through 2016 (Held Steve Cheung's Proxy)

Committee Members and Affiliates:

Ali Khan, Treasurer
Rick Finken, Past Treasurer
Safir Wazed CSULB Student Rep

Proceedings:

- **Call to Order – 10:42 AM; quorum check**

- **Approval of the Agenda.**
  i) Brian Tran moved to approve the Agenda of the day, Robert Schaaf Seconded. Approved

- **Approval of the Minutes of the Meeting on February 10, 2015**
  i) Ted Frankiewicz requested that the February 10th 2015 meeting minutes be circulated to the Board Members for approval. Approved

- **REPORTS:**
  - WRM Anaheim April 2015: The program of the event is on the website including Membership amount info for student, technical program, speaker list and special guests. Early Registration is recommended and ends on March 18th. RegOnLine is now active to take all registrants .16 Exhibitors are already registered and we expect to hopefully double this. Ted Frankiewicz had suggested that we aim to reimburse 110% of the expenses for the WRM conference and then revenue share based on section attendance any surplus funds. Robert Schaaf moved to approve this motion and Baldev Gill seconded.

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LASPE BOARD MEETING MINUTES - *CONTINUED*
BOARD OF DIRECTORS MEETING, MARCH 10, 2015

- Treasurer's report: Ted Frankiewicz: LASPE's total value at the end of February is $83,691 consisting of $49,619 working funds in checking and $34,073 in investments.
- Program Committee: Robert Schaaf reported that Val Lerma will be the speaker for the April LA SPE Luncheon.
- Nomination Committee: Baldev Gill moved to accept Susan Weinfurther as a new Board of Director candidate, Robert Schaaf seconded the motion. All approved.
- Golf Tournament Committee: The website is up and running. Members are signing-up. Weatherford will do the Barbeque again.
- Outreach Activities: Mesa day is coming soon and volunteers are appreciated. Please contact Scott Hara for information.
- YP Committee: Brian Tran reported that 25 professionals turned up on 26th February 2015 at the Dubliner in Long Beach.
- Scholarship Committee: April newsletter will have the first call for scholarships.

- **Student Chapters**
- CSULB was present at the Board Meeting. Mr. Safir Wazed gave a brief outline of activities at the SPE student chapter: CSULB Chapter participated in engineering week (E-week), where officers and members participated in man activities. About 15 chapter members participated in MESA day for high school students, and provided a successful Q/A session for prospective college students. There were two general body meetings in the past few weeks. The first one focused on updating the general body and bringing them staff from the career center to review resumes so that members can prepare for the job fair later that week. The second meeting consisted of having a speaker from industry. Joseph Malcomb, Petroleum Engineer from California Resource Corporation came to talk about Long Beach Operations and gave a History Overview of THUMs island. The member's excitement for THUMs Island has led to officers preparing to take members to a tour of the island on April 10th 2015.

Adjournment

The meeting was adjourned at 11.23 am
(Pacific Time Zone).
Respectfully submitted,

Baldev Gill
On behalf of Christian Vaccese
LASPE Vice Chair and Secretary.

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PROFESSIONAL REGISTRATION REVIEW COURSE FOR PETROLEUM ENGINEERING

COURSE DESCRIPTION: The Course covers most topics that are found on the State Board Petroleum Engineering Professional Examination.

WHO SHOULD ATTEND: Engineers who are planning on taking the PE Examination in Petroleum Engineering this fall. **INSTRUCTOR:** Bing Wines, PE

LOS ANGELES COURSE (8:00 AM - 6:00 PM)
Monday through Friday
August 3 – 7, 2015

For More Information: 405-822-6761
E Mail: bingwines@cox.net
Web Site: winrockengineeringinc.com
WINROCK ENGINEERING, INC.
P. O. BOX 797366 DALLAS, TX, 75379

57% Pass 2014 Petroleum PE Exam

NCEES and the State Engineering Boards released their 2014 Professional Engineering Exam results. Nationwide, the Petroleum Engineering Exam recorded a 57% pass rate. The Petroleum first time takers passed at a 71% rate. The estimated pass rates of a few other engineering disciplines were:

Chemical	68%	Agricultural	71%
Civil	55%	Fire Protection	54%
Electrical	53%	Industrial	61%
Environmental	49%	Metallurgical	40%
Mechanical	65%	Mining	83%
Nuclear	61%	Control Systems	74%

The Petroleum pass rates in 2014 for a few states:

Alaska	71%	Louisiana	78%
California	38%	Oklahoma	81%
Colorado	70%	Texas	67%

What are the requirements to take the Petroleum PE Exam? Today, California requires that you have:

1. An engineering, math or science degree.
2. Passed the Fundamentals, or FE Exam.
3. At least four years of professional experience.

Interested? Contact the California State Engineering Board at (916) 263-2230 for application forms. State web sites are also available at: www.ncees.org/licensure/licensingboards. The California application deadline to take this years PE Exam is May 1, 2015. This year's PE Exam will be given on Friday, October 30, 2015.

2014-2015 LASPE OFFICERS & BOARD

Name	Position	E-mail
Dr. Steve Cheung	Senior Past chair	steveior@yahoo.com
Baldev Gill	Junior Past Chair	Baldev.Gill@longbeach.gov
Dr. Ted Frankiewicz	LASPE Chairperson 2014-2015	tfrankiewicz@specservices.com
Christian Vaccese	Vice Chair - Board member through 2015	c.vaccese@gmail.com
Susan Weinfurther	Treasurer - Board member through 2018	Susan.Weinfurther@crc.com
Rick Finken	Vice-Treasurer	rdfinken@gmail.com
Christian Vaccese	Secretary - Board member through 2015	c.vaccese@gmail.com
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Larry Gilpin	Newsletter & Website Editor / Publisher	Larry@4thForge.com
Tom Walsh	WNAR Director 2012-2015	twalsh@petroak.com
SPE International	Contact for Sections	sections@SPE.org