



CRISMAN INSTITUTE
FOR PETROLEUM RESEARCH

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June 2007

TEXAS A&M



THE HAROLD VANCE DEPARTMENT OF

**PETROLEUM
ENGINEERING**

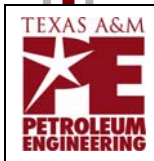
Background of the Crisman Institute

- Created in 1982 by Wayne Crisman
- Endowed by \$1 million gift (now \$2 mil)
- Institute manages projects in four Research Centers
 - Unconventional Resources
 - Well Construction and Production
 - Reservoir Description and Dynamics
 - Energy, Environment and Transportation



Vision

To provide a vehicle to enhance development of petroleum engineering technology through cutting-edge, industry-directed research conducted in three dedicated research Centers in the Harold Vance Department of Petroleum Engineering at Texas A&M University



Mission

To produce significant advances in upstream petroleum engineering technology through the combined efforts of faculty, post-doctoral researchers, and highly qualified graduate students, in close cooperation with industry



Crisman Institute Research Initiative

- Menu of 'research projects' and 'research ideas' grouped into project clusters within four Centers
- Meetings with industry to determine what issues are important

This will be an
'industry directed'
research effort!

Halliburton

Center for Unconventional Resources

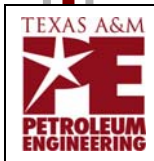
- Tight Gas
- Shale Gas
- Heavy Oil Recovery
- Coalbed Methane Reservoirs
- Natural Gas Hydrates
- Resource Assessments



Chevron

Center for Well Construction and Production

- Advanced Drilling Technology
- Well Construction
- Deep Gas Well Construction
- Multiphase Metering and Pumping
- Well Stimulation
- Environmental and Water Issues



Schlumberger

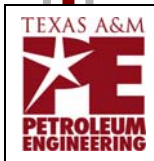
Center for Reservoir Description and Dynamics

- Reservoir Simulation
- Formation Evaluation
- Reservoir Visualization
- Enhanced Recovery
- Naturally Fractured Reservoirs
- Analysis of Reservoir Performance



Center for Energy, Environment and Transportation Innovation

- Energy
- Environmental and Water Issues
- Transportation Innovation



Membership

- 2005-2006
 - Endowed Members
 - Institute Members
 - Center Members
- 2007
 - Crisman Members



Crisman Members

2005

Halliburton
Chevron
Schlumberger
Anadarko
Baker Hughes
Nexen

Matador
Burlington
Total
Newfield
Devon

ConocoPhillips

2006

Halliburton
Chevron
Schlumberger
Anakarko
Baker Hughes
Nexen
IHS
ExxonMobil

Burlington
Total
Newfield
Devon
BP
ConocoPhillips
Saudi Aramco

2007

Halliburton
Chevron
Schlumberger

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Nexen
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ExxonMobil

Total
Newfield

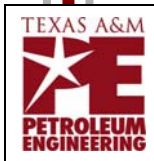
BP
ConocoPhillips
Saudi Aramco
El Paso

Technology Transfer

- We have improved our website
- <http://www.pe.tamu.edu/> for details
- You can also go to <http://www.pe.tamu.edu/homepage/Research/Crisman/index.shtml> to see our most recent Research Menu, our newsletters, and download technical information on many of our projects.

Technology Transfer

- We will have one business meeting per year in September or October
- In 2007, we have initiated more 'topical' technology transfer meetings
- We will hold a series of one-day technical meetings where
 - we can delve deeply into individual topics and
 - have better two way communication between our faculty/students and our Crisman sponsors.



2006 One-day Technical Meetings

Date	Subject	Project Status	Organizing Professors
3-Aug-06	Heavy Oil	Existing	Mamora
9-Aug-06	Gas Well Deliquification	Existing but we wish to expand	Scott and Falcone
6-Sep-06	Fracture Fluid Damage and Cleanup	Existing	Holditch and Hill
6-Sep-06	Resource Assessment for Unconventional Reservoirs	Existing	Lee, Ayers, and McVay

2007 One-day Technical Meetings

Date	Subject	Project Status	Organizing Professors
11-Apr-07	Intelligent Well Technology	Existing	Zhu
25-Apr-07	Heavy Oil Recovery	Existing	Mamora
26-Apr-07	Fractured Shale Reservoirs	Existing but need to expand	Lee
9-May-07	Tight Gas Sands and Resource Assessment for Unconventional Reservoirs	Existing	Holditch, Lee, Ayers, and McVay
10-May-07	Gas Well Unloading	Existing but need to expand	Scott, Falcone and Teodoriu

Thanks !

Any Questions ?

