

Government Resources for the Oil and Gas Industry - Transcript

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Hi, everyone cup good afternoon and welcome to our session, Government Information Resources for the Oil and Gas Industry. We have a few housekeeping reminders, please use the chat box for any questions or comments or tentacle issues you have, if we are going full-screen, were far presenters going full-screen, ushering the screen with you, hover over the top with your mouse cursor and you should get a blue bar where you can access the chat. The chat function from there. We will keep track of your questions and address them at the end of the presentation.

We are recording the conference and everybody who registered will be sent a link to all of the presentations after the event is over. Please join me in welcoming our presenter, Mark Love, I will handed over to him now.

Thank you. All right, government information resources for the oil and gas industry. What I want to do today is talk about some resources, that are good for -- great resources for for students that have petroleum related majors, or those of you who have patrons who work in the oil and gas University, -- industry, I work at Nicholls State University, a major here, the technology and safety management major, working with those students, I've got more familiar with the government information resources that are available for that industry, prior to working with the students, I was not as familiar with that, and also the government information library and as well, but working with the students, they do I think some really good research that, if you work in a university where you've got students in petroleum related majors or patrons from the industry, I think there will be some good resources for you to use when you're working with them.

A little bit about Nichols, we are in Thibodeau, Louisiana, in southern Louisiana, very much in the middle of Cajun country down here, we have about 6500 students, the first generation, and as you can see from the map, we are not far from the coast, one of the slogans for university is closest to the coast, so we are only about 45-50 minutes away from the coast, just south of us there, so petroleum is not only a major industry for Louisiana, but also with that offshore, particularly in this part of the state, offshore oil production, is something that is a major employer and something that a lot of the students that are in this major I'm interested in -- are interested in.

Let me see here, I'm going to try to share my screen, and hopefully we won't have any problems here. Okay, let's see. Let me try that again. Okay there, sure my desktop, here we go. So we are talking about here, petroleum engineering technology and safety management, to give you more of an idea about that, talking about providing opportunities sees -- opportunities, Gulf of Mexico operations, a major focus is also on safety. And working in that part of the industry. And of what the -- a lot of what they do deals with having to do with

heavily regulated industries, and all the safety concerns, that are part of that, you can see some of them, working with the safety and environmental enforcement, a website that I was going to show you here as well. And you can see a lot of them do internships, go out to platforms and doing internships out there. Okay. The next one here, okay, the next one is Department of Energy, obviously quite a few sites that are going to be useful for oil and gas, obviously an agent that has the most oversight of oil and gas, and there's not much really information available on the Boe side, but some of the other subsidiary sites subsidiary sites, are very useful.

The first when I want to show you here, is the national energy technology laboratory, so this is a laboratory that is operated by the Department of energy, and they do a lot of research as it pertains to energy and specifically oil and gas, they have quite a few resources here as well.

With this, but students can do here, they can go and a lot of times, go into the research programs, go in and take a look at it and you can see the different areas that you have here. For advanced energy systems, you can see all the different things, and under oil and natural gas research year, offshore oil and gas, with the students can do here, this is a good resource to see some of the government-funded projects that are out there for the oil and gas industry. And if you have patrons in the industry, you go out and see projects that are being worked on, and there is the R&D awards, you can see if it's something that they would be interested with their company in participating in.

You can take a look at some of the details of some of these projects here. And this is talking about pipeline coatings out in the subsea pipelines, and the project summary page here, with more information about that. So these are a good resource for students to take a look at some of the programs that are out there.

And under the library, it does have, if you go under the technical search, here, and the only drawback is that it has good resources but it does allow you to search really, what you have to do here in order to see some of their publications is just go to the menu and for example, a good one here for a lot of students is the research fact sheets, because they do produce some good research year, on-site capabilities, here is the offshore resources. So here's one that is published this year, dealing with improving predictions of hydrocarbon resource volumes, talking about viscosity, experimentation and modeling in extreme conditions. In this instance here.

So there is a lot of good stuff here, but like you said, it is a good resource for students, and then a good industry resource to refer workers to as well. Okay. Okay, so the next side I want to show you here is the energy information administration, this is a good site for students that are interested in sort of the economic side of that, of the industry, so you may not necessarily be somebody who's going to become a petroleum engineer necessarily, but somebody that is interested in the business side. Of the industry, or the students, you may have business students that are interested in kind of the management side, of the oil and gas industry. It is a great resource for oil prices, and the economics of the oil industry. If you go under here you can see the different energy and: electricity, renewables as well. For our purposes, we are going to

take a look at petroleum and other liquids. So you can see here it's got all kinds of information on oil prices, gasoline and diesel prices, supply estimates, a lot of information on oil production, so one of the major things they put out here, this weekend petroleum this week in petroleum, it looks like tomorrow's when they will put this out, the distillates inventories, and talking about a lot of the production there, and the petroleum product inventories, and we can see here, some of the futures prices, talking about the stocks and oil, it is just a wealth of information on the economic side of things here, and it has a lot to do with production as well. Talking about crude oil prices here. Crude oil prices and futures, and gasoline, and that. And it breaks down by area of the country there. If I had a student that wanted to see what it looks like right now, as far as retail prices for oil and gas on the Gulf Coast, you can see where it is now, compared to where it was. And there is the heating oil prices, and propane as well.

If you look under topics here, lots of information here, and the protections again, more of the projections on oil and oil prices, international energy Outlook, so if you have students that are interested in learning more about the international market, you can take a look at that. Resources dealing with India, information on that. The Indian market, how they compare to the U.S. market and things like that. One of their main publications there, the international energy Outlook, 2020, and under geography, you can get state data and the maps, they are also very interesting. We are going to look at the states here. And you can see there, it's got total energy production, by state. You can go in and let's see here, we will look at Louisiana, you can see all of the consumption, it breaks it down by all the different things, the energy indicators there. It is just a wealth of information. One of the best sites to go to for this topic.

There was a map in here, it does give an overview of the map here on energy production, so for the Gulf of Mexico, we can take a look at it here, and zoom in, it will show us, click on the map here, showing more information about where the oil and gas plants are located. It is still loading it looks like. But the little oil well there shows you where there is a oil storage facility. And it is interesting to click on some of these things and zoom in, you can see there are so many oil platforms out there, in the gulf. This is being kind of slow but if you click on some of those, it will pop up and show you more details on the specific rig, and was interesting as you can see how some of them go back to the 40s and 50s. Some of them have been there longtime. Shows the platform, one from 1994. It shows you more information about that area.

And there are more things, to add more layers to do that, something that is very useful to use.

We will go back here, gasoline and diesel fuel, I did want to show you that one, let's go back, gasoline and diesel fuel updates. If you can remember this, and I have this link on here, a shortcut to it, because a lot of times you have questions for students on gas prices, and this is kind of the quick way to get to it to show what the prices are. It breaks it down, as I showed earlier. By region, you can see how much has changed in which region is the highest, and the West Coast has the highest prices right now, versus the Gulf Coast.

And in the next site that I want to show you, moving forward here. So this is a great place to refer students, that were looking for research reports that are funded by the Department of

energy, but if you research reports that are funded, including peer-reviewed articles. Let's go ahead with the office of science and technical information, virtual oil and gas, it is set up similar to other library databases, but I'm sure you are all familiar with. Clicking on the title, this was what looks like a conference presentation, and the conference, the document here. This is talking about renewable energy technology. In the oil and gas industries.

But then you see some other ones, let's take a look at this, you can see that some of these, this is one that sort of is not publicly available, but what you can do is go back and some of the newest ones here, this is not quite ready, looking at this. Here we can go in and take a look at some of this. Technical reports, so this is example of a technical report here. Talking about cooperative agreements, on fossil fuels. What you can do here is, in your other library databases, it's restricted, we can take a look at journal articles, specifically, these are publications that appear in scholarly journals. The manuscripts, we are going to go in, you can see the full text, appearing in the Journal of frontiers in microbiology, research that must've had some sort of funding.

This is a great resource for students in particular. And you can take some of these things off. Names, and technical reports, and then also with that, we can look at another nice thing that offers, is data sets, you can go in here and take a look at the different data sets, the data said. And go over to the open database. And some of these, so that you can download, okay. And use the a zip file, in the futures database, you are able to download it there. And certainly a good resource for students when they are looking for data on these particular topics here. Okay.

The next thing that I want to show you is, you can see the public access Gateway here, so you can sort of bypass OSTI.gov, you know you want to show students journal argued -- articles in particular, go to the public access Gateway. And what you do with that is, it is OSTI.gov/ agents. Data Explorer, if you go to the deity -- data Explorer, OSTI, searching for the data, the other reports and articles as well. Okay, the next one here, but I want to show you, the Department of the Interior, and so students, in particular, students we have in our program here, really learning about a lot of them going in safety management in various agencies and all the regulations that they have to be aware of, and take a look at and research, so these are some of the areas, outside of the department of energy, involving the regulation of oil and gas. The first and I want to show you, is the Bureau of safety and environmental enforcement. And you can see here, there's a lot of information here about offshore stuff. Regulations here, the regulations that we using these particular agencies that they've had, and so forth, and a lot of the students to end up the federal regulations, or the register, looking at some of these. The governing statute. There, regulatory reform, has a lot more regulation there, the basic standards, and the different regulations, and the standards, and notice this, the operators, this something that they would want to be familiar with, and something also, if you have a question from somebody, working in the industry, this is an agency that deals with that. Dealing with regulations, operating near Wells, and you can see this is some examples of the things they do, for hurricane Delta, and some of the offshore operators, to be compliant with the regulations, and the students take a look at, the type of things that they've got to be working with.

More information about some of the major rules there, oil and gas production, safety systems rule that was passed in 2018, and under resourced, tools, a lot of times a take a look at this, he looked at quite a bit, incident investigations, taking a look at the offshore incident investigations. And if you look at status, you can take a look at some of those. And go to another page here. Some specific incidences that happened.

The next one here, the Bureau of land management, the Bureau of land management, is within the Department of Indian -- of the interior, they do with land production, specifically public lands, this is something if the students are researching, topics dealing with production on public lands, it is a good resource to take a look at. There's lots of statistics it provides on production, and tables that they can download their. There. Inspection and enforcement is a major focus of our students here, so they can go and take a look at types of inspections, more information about that, this takes them over to a section that deals with that, in the CFR, it's got more information on some of these other areas, a lot of other facts and regulations and things like that on dealing with public lands.

The Bureau of Ocean energy management is another one, this is another one again, another agency for the offshore industries, a major industry that regulates offshore drilling, statistics and facts, they can go in and take a look at, going to the data center here, you can see all the different categories, pipeline information, wells, you can see all of the platform rig information, the different statistics, that the define there. And if we go back here, under regulations and guidance, this is where you can take a look at some of the regulations that this agency oversees, a lot of times, take a look at it. Dealing with various aspects of the industry and offshore drilling, they have to look at, let's a different regulations being made.

[Captioners transitioning] This is one is probably a little more something that would be more for those working in industry because this is how they have to report and the production their royalty and make their payments and on their fee that has to be paid to the government for that and sometimes do have these things we can look at the revenue data because a lot of times in that the money they get from the leases in those types of things are distributed in other ways and there distributed to personal consultation hurricane protection projects and from revenue data and reports on how much revenue is getting from leases, fees and things like that. It is also broken down yearly and monthly as well. These are some of the disbursements putting back in. Production, production by location and you can look at the state data as well. Okay. So actually want to move on now to the department of labor. This is a big focus for our students as well and obviously occupational safety and hazard administration deals with a lot of standards and safety and working in that area of the business to be aware of a lot of the standards and even really this is where they can go in and take a look at standards specifically for the industry. There is the regulation specifically for that in the standards and take a look at family OSHA standards and there's all kinds of stuff and fair wages and scuffles and that's exactly the way that if you're working in that area is something to be aware of. So this is something they have to look up and dealing with hazardous materials and all those types of things. The next one here moving over to of course department of transportation in the guidelines and hazardous material safety so we have several agencies that are involved in this

in the regulatory process. So obviously pipeline for major party industry and transporting the substances here and again the regulation safety as well and in the safety and awareness. So it has a lot of good information and basic information for students and industry and we can take a look at some of the major things about pipeline safety and about the pipeline regulation and we can take a look at the safety library and all kinds of information about that. There are pipeline failure investigations to report a lot of times we take a look at that in see some of the and we can download that there and here is one for 2018 talking about some pipeline incident that happened. Or safety pipeline failure. All so the next one going on here and let's take a look at the federal energy regulatory this is an independent agency that deals with energy regulation and the commissioners are talking about that so in this case there's lots of information this is again probably [Indiscernible] source for those that work in the industry there's lots of information on landowner questions here and if they want to host a natural gas project if they want to play well on their [Indiscernible] and things like that and it does give some information about some of what this agency does with regulation. That is something they want to take a look at this is really does not have as much data or research information a lot of this is talking about what they do and a landowner that comply with this regulation. This gives people shows people what they do as far as their aspect in their part of the regulation. In the next one here EPA obviously and environmental concerns with oil and gas so the oil and gas sector here from the EPA has a lot of good information especially for students talking about how they need to be aware of the regulation and airway, waste, water as it pertains to oil and gas production and an example here to take a look at proper management of oil and gas and management ways and all the different information guideline for EPA and this is a good publication is management and the need for regulatory action and this is something that they have dealt with and they have looked at the current status of EPA for the regulatory action of oil and gas. The next one here to show you only along the interstate oil and gas compact initiative notices an organization basically this is states were getting together where they talked about that they tried to establish effective regulatory practices says in the collective voice of member government and oil and gas issues and as far as that is the way for irritation to lobby the federal government. If you look at the member states there a member state this includes our state of Louisiana and many others in the state and then with those feels that the states puts it all in one place center directly to a state to an overview so that one of the reasons why I recommend this way also [Indiscernible] students be aware of that there is this organization out there and there are some here a lot of them are older but there are some publications here that the take a look at. And then there was the last one here which is the international energy agency this is a good site for taking a look at this is a good fight as far as looking at international issues and states dealing with "back to economics and the business by the international and this is for the agency and states that countries that are the non-OPEC countries so these exist will U.S. and countries that this oil and gas publications here at the latest information and the outlook for oil global oil here is the report on the right there is some oil exports and you can search by country. And to provide data there that allows you to download and we can look at other topics as well. So it's part of that and there's lots of data and you can find more there and lots of research report that if you go on the policy is office policy so you can look at that affect industry. There's lots more here and change that and CO2 per capita. Again this is a great resource when they're

looking for information related to oil and gas. That is all I have God. Are there any questions now?

Thank you, Mark. If anybody has any questions, just type them into the chat box and we will answer them and we have about 15 minutes for questions.

It's a lots of different agencies involved.

Let's wait a couple more minutes in case people are typing things up?

That makes sense. I know [Indiscernible] of the activity of oil and gas. As far as reports go. So the agencies your safety enforcement taking a permanent and the OSHA energy management those are the ones because a lot of them are interested on the safety side the OSHA standard and of course a lot of times we end up looking for things in the Code of Federal Regulations and of course those agencies deal a lot with regulation. And the safety and enforcement and the others and those are definitely those that deal with offshore issues and their working offshore as well. If that is it, we have Mark's email if you come up with a question later think of something and you can make contact. Thank you Mark for the program and thank you everyone for participating in our virtual conference. Up next in this group we have strategic bleeding and collection use for practical review and in the other room we will have DOI an introduction to a Flyers. If you want to join that program you will need to close out of this room and turn to the other room the URLs can be found on the events page which is off of FDLP.gov from the event page and click on join session or you can just use the link and I am posting that into the chat right now and you should be able to get there that way. And for now I want to take a short break and pick up again at 4:15 Eastern if you want to attend the strategic meeting and collection use session you can stay in this room or you can come back to the same room. Thank you so much.