

ONEPETRO USER GUIDE

This user guide does not comprehensively cover every feature offered on OnePetro but does provide the basic information needed to use the site for its primary purpose—finding and reading papers. If you have any questions about how to use OnePetro, please contact us using the information in the footer, or email lib_subscribe@spe.org. We are more than happy to serve you.

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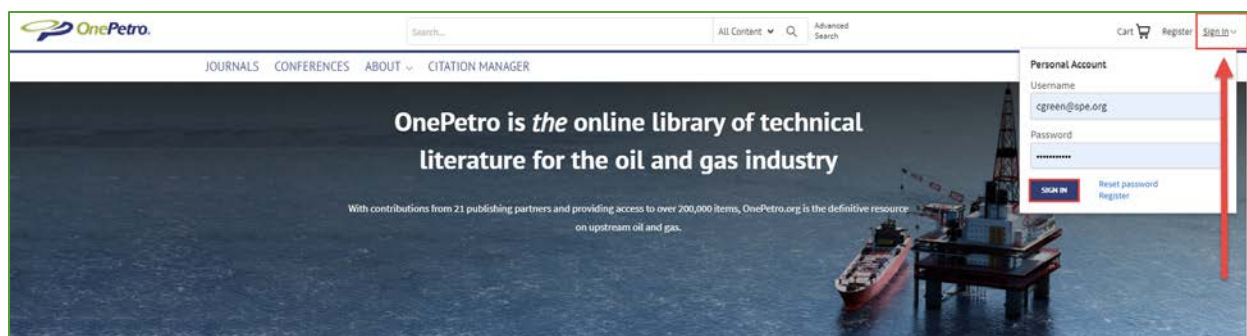
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SIGNING INTO YOUR ACCOUNT

1. Go to OnePetro.org.
2. In the upper-right corner, select **Sign In**.
3. Enter your username and password.

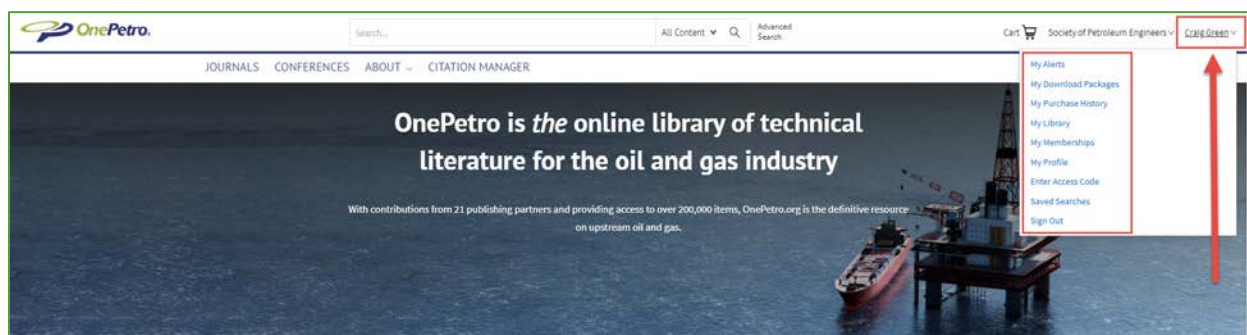
NOTE: Your username may *not* be identical to your email address. This is dependent upon what you entered as your username when registering your account.

4. If you are unable to remember your username or password, select **Reset Password**.
5. If you continue to experience an error, please contact service@spe.org.
6. Upon successful login, your name will display in the upper-right corner where the **Sign In** button was.



USER MENU GUIDE

1. In the upper-right corner, select your name to open the user menu.



2. To edit your account details, including username and password, select **My Profile > Edit Profile**.

My Account

- My Alerts
- My Download Packages
- My Purchase History
- My Library
- My Memberships
- My Profile**
- Enter Access Code
- Saved Searches

My Profile

Username & Password

Username: cgreen@spe.org

Password: *****

General Info

Name: Craig Green

Email: cgreen@spe.org

Edit Profile

3. To connect to a membership (SPE, ISRM, ARMA, SNAME), select **My Memberships**. Select the relevant society and enter your membership login credentials. All connected memberships will display at the bottom of the page.

My Account

- My Alerts
- My Download Packages
- My Purchase History
- My Library
- My Memberships**
- My Profile
- Enter Access Code
- Saved Searches

My Memberships

ACTIVATE MEMBERSHIPS

Membership: SPE

Enter your SPE credentials.

Username: cgreen@spe.org

Password: *****

SUBMIT

ACTIVE MEMBERSHIPS

Membership	Expires
SPE	12/31/2021 12:00:00 AM

4. You may retrieve a receipt by selecting **My Purchase History**, and then selecting the hyperlink for the purchase.

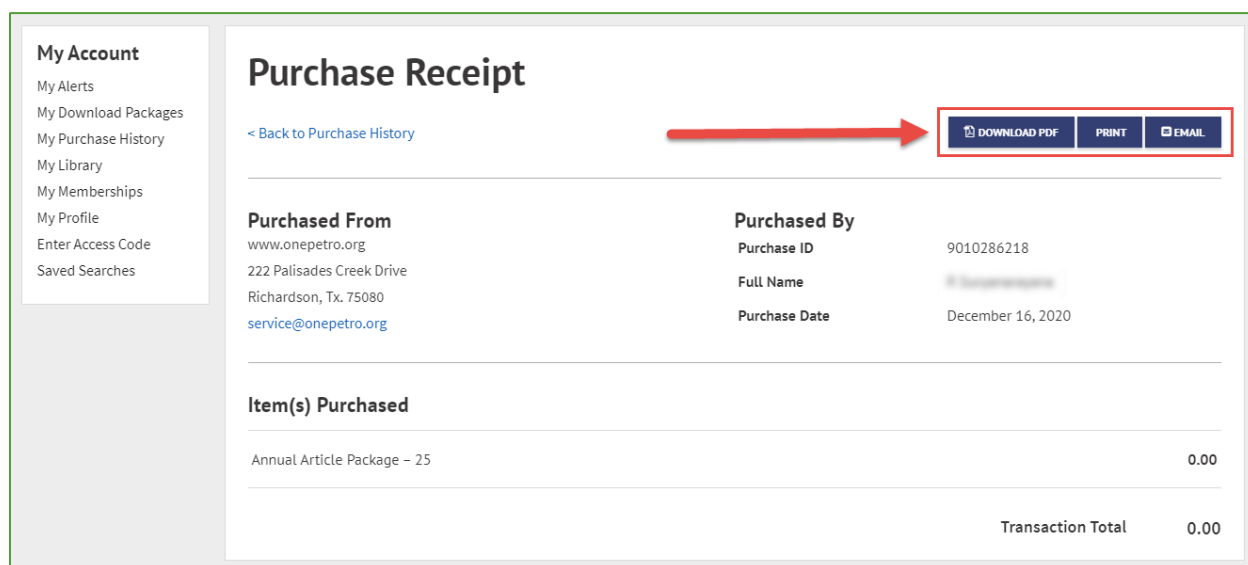
My Account

- My Alerts
- My Download Packages
- My Purchase History**
- My Library
- My Memberships
- My Profile
- Enter Access Code
- Saved Searches

Purchase History

Date	Title(s)
December 16, 2020	Annual Article Package - 25

5. Options to download, email, and print are listed.



My Account

- My Alerts
- My Download Packages
- My Purchase History
- My Library
- My Memberships
- My Profile
- Enter Access Code
- Saved Searches

Purchase Receipt

[< Back to Purchase History](#)

Purchased From

www.onepetro.org

222 Palisades Creek Drive

Richardson, Tx. 75080

service@onepetro.org

Purchased By

Purchase ID 9010286218

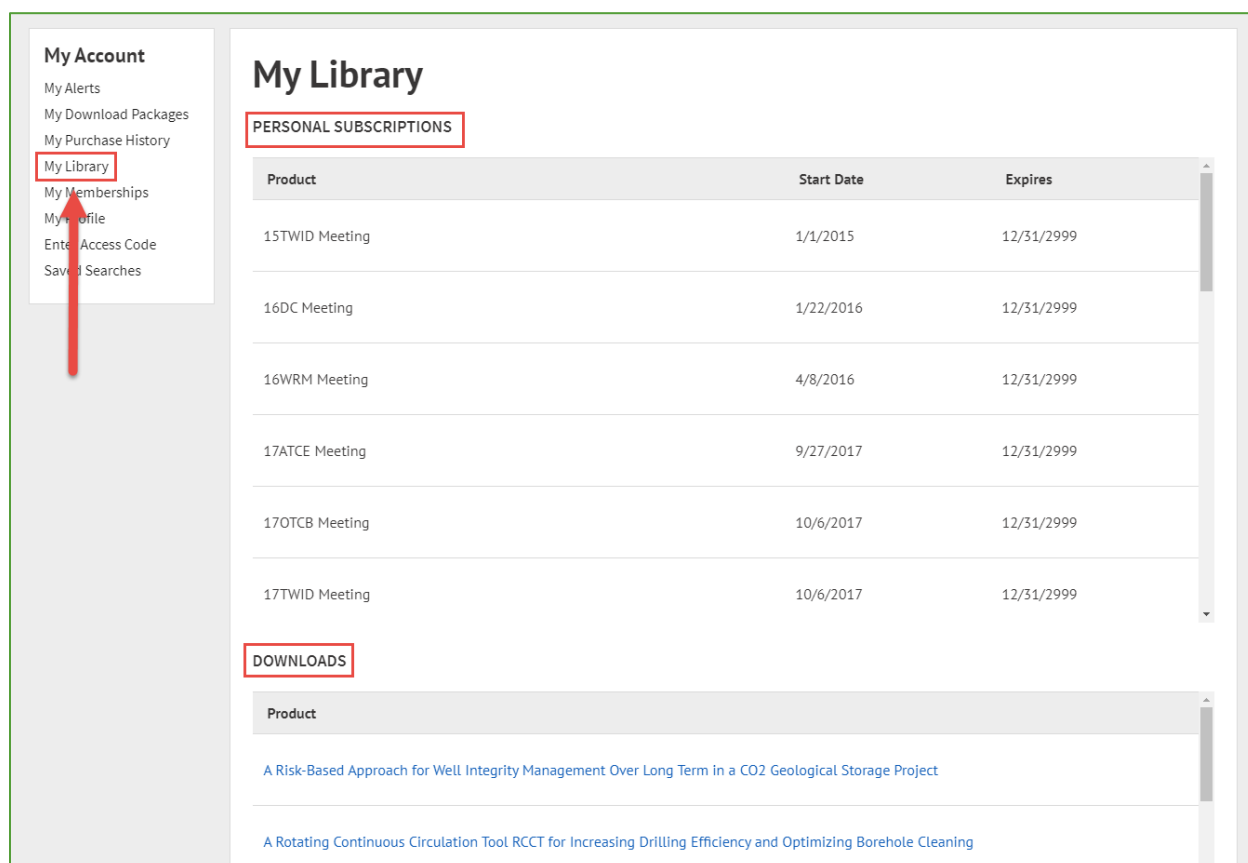
Full Name [REDACTED]

Purchase Date December 16, 2020

Item(s) Purchased

Annual Article Package – 25	0.00
Transaction Total	0.00

6. To see the content which you have access to, select **My Library**. Conference proceedings and other collections will display underneath **Personal Subscriptions**. Individual paper purchases appear beneath **Downloads**.



My Account

- My Alerts
- My Download Packages
- My Purchase History
- My Library**
- My Memberships
- My Profile
- Enter Access Code
- Saved Searches

My Library

PERSONAL SUBSCRIPTIONS

Product	Start Date	Expires
15TWID Meeting	1/1/2015	12/31/2999
16DC Meeting	1/22/2016	12/31/2999
16WRM Meeting	4/8/2016	12/31/2999
17ATCE Meeting	9/27/2017	12/31/2999
17OTCB Meeting	10/6/2017	12/31/2999
17TWID Meeting	10/6/2017	12/31/2999

DOWNLOADS

Product

[A Risk-Based Approach for Well Integrity Management Over Long Term in a CO2 Geological Storage Project](#)

[A Rotating Continuous Circulation Tool RCCT for Increasing Drilling Efficiency and Optimizing Borehole Cleaning](#)

7. You can see the downloads remaining balance for any individual subscriptions by selecting **My Download Packages**.

My Account

- My Alerts
- My Download Packages**
- My Purchase History
- My Library
- My Memberships
- My Profile
- Enter Access Code
- Saved Searches

My Download Packages

Current Packages

Product	Downloads Credited	Balance
Annual Article Package - 25	25	24

8. To redeem a conference proceedings access code, select **Enter Access Code** and complete all required fields.

My Account

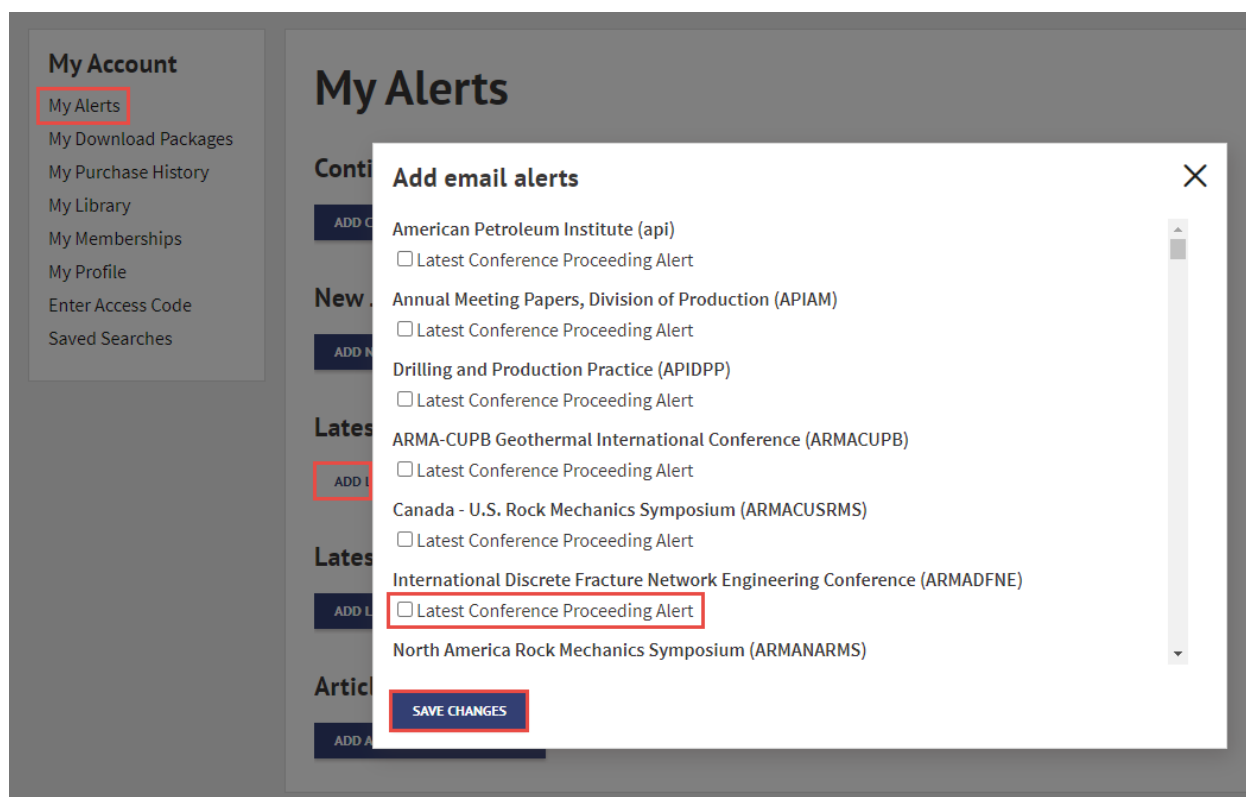
- My Alerts
- My Download Packages
- My Purchase History
- My Library
- My Memberships
- My Profile
- Enter Access Code**
- Saved Searches

Enter Access Code

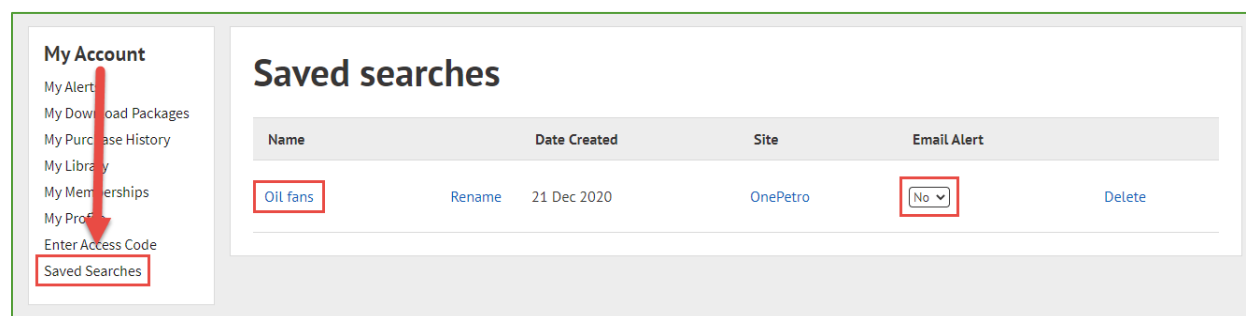
Have an access code? Enter it here to redeem a product.

SUBMIT

9. Adjust your notification preferences for new content by selecting **My Alerts > Add ... Alert > SAVE CHANGES**.



10. Quickly access your saved searches or update your notification preferences by selecting **Saved Searches**.

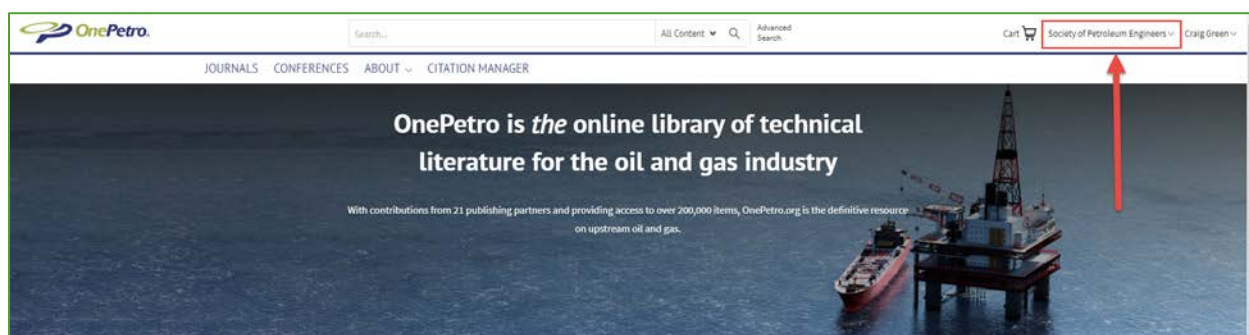


CONNECTING TO AN INSTITUTIONAL SUBSCRIPTION

Your institutional subscription access will now be provided through either whitelisted IP addresses, referrer URL, or both.

IP ADDRESS

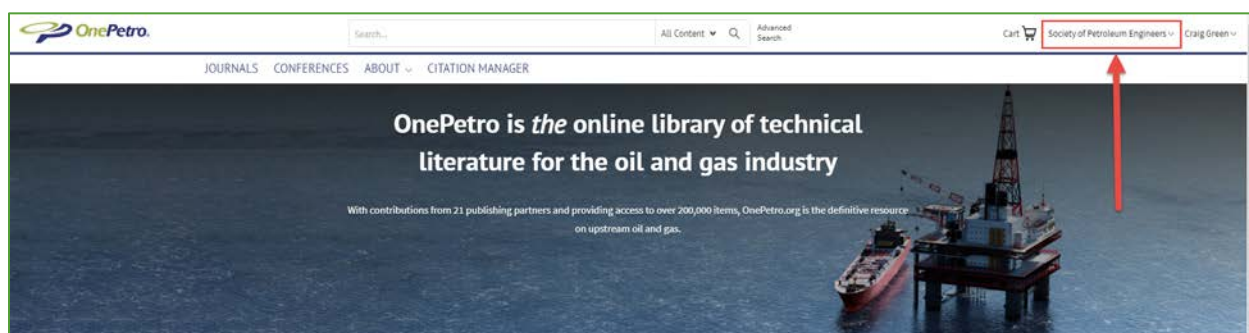
1. Whitelisted IP addresses are provided to the OnePetro team by your subscription administrator.
2. Our site automatically connects users on whitelisted IP addresses to the institutional subscription.
3. If you have successfully connected to the subscription, the institution name will display in the upper-right corner next to your name.



4. To determine your IP address, Google **What is my IP?**
5. If you would like to know what IP addresses have been whitelisted, please contact service@spe.org or your subscription administrator.

REFERRER URL

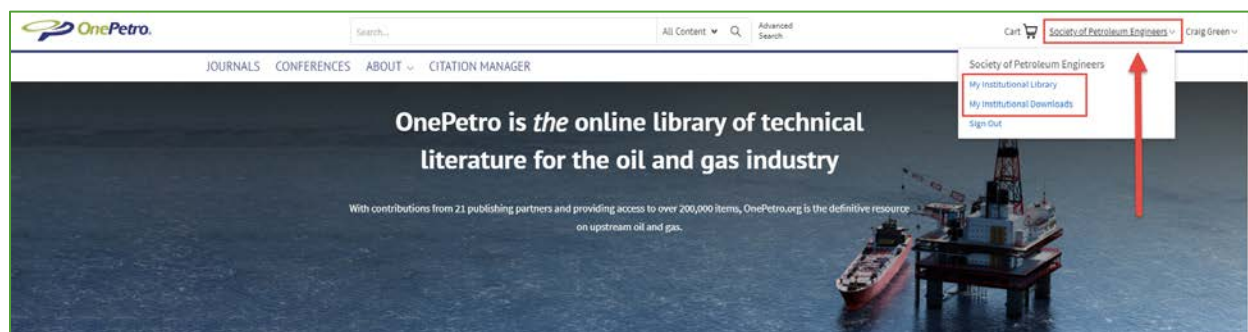
1. A referrer URL is a link to OnePetro embedded on a secure web page, typically your institution intranet, which grants access to the institutional subscription.
2. The web page on which the link is embedded has been set up by your subscription administrator.
3. Follow the link from the embedded page to OnePetro. If you have successfully connected to the subscription, the institution name will display in the upper-right corner next to your name.



4. If you would like to know the address of the secure web page, please contact service@spe.org or your subscription administrator.

INSTITUTION MENU GUIDE

1. In the upper-right corner, select your institution name to open the institution menu.



2. Your institution will either have a limited download subscription or an unlimited download subscription, which will affect the information displayed.
3. For unlimited subscriptions, you can see a full list of content collections included in your subscription by selecting **My Institutional Library** and then reviewing the **My Institutional Subscriptions** section.

My Account
[My Institutional Library](#)
[My Institutional Downloads](#)

My Institutional Library

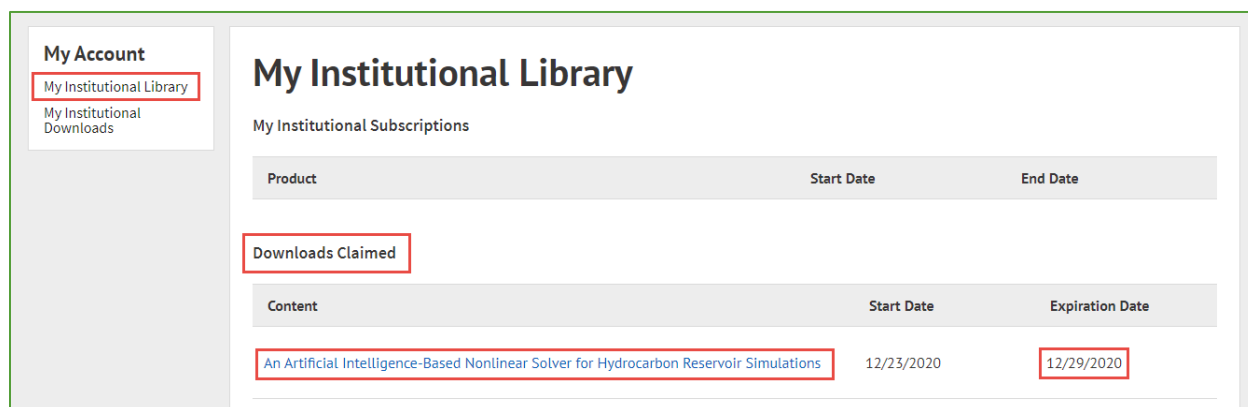
My Institutional Subscriptions

Product	Start Date	End Date
Society_IPTC_Unlimited	11/2/2020	11/3/2220
Society_SPE_Unlimited	11/2/2020	11/3/2200
Society_URTEC_Unlimited	11/2/2020	11/3/2220

Downloads Claimed

Content	Start Date	Expiration Date
---------	------------	-----------------

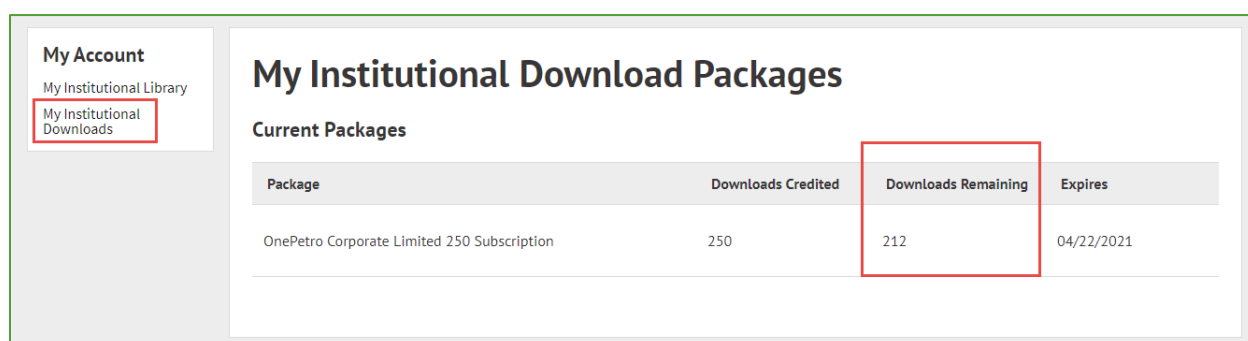
4. For limited download subscriptions, it is possible to see papers recently downloaded by other users by selecting **My Institutional Library** and reviewing the **Downloads Claimed** section. Papers listed are available for download without charging an additional credit through the expiry date.



The screenshot shows the 'My Institutional Library' page. On the left sidebar, under 'My Account', 'My Institutional Library' is highlighted. The main content area is titled 'My Institutional Library' and contains a section for 'My Institutional Subscriptions'. Below this, there is a table with columns 'Product', 'Start Date', and 'End Date'. A red box highlights the 'Downloads Claimed' link. Below this link is another table with columns 'Content', 'Start Date', and 'Expiration Date'. A row in this table shows the content 'An Artificial Intelligence-Based Nonlinear Solver for Hydrocarbon Reservoir Simulations' with a start date of '12/23/2020' and an expiration date of '12/29/2020', both of which are highlighted with red boxes.

Product	Start Date	End Date
Downloads Claimed		
Content	Start Date	Expiration Date
An Artificial Intelligence-Based Nonlinear Solver for Hydrocarbon Reservoir Simulations	12/23/2020	12/29/2020

5. In **My Institutional Downloads**, limited download subscriptions will display the balance between remaining download credits and those initially purchased.

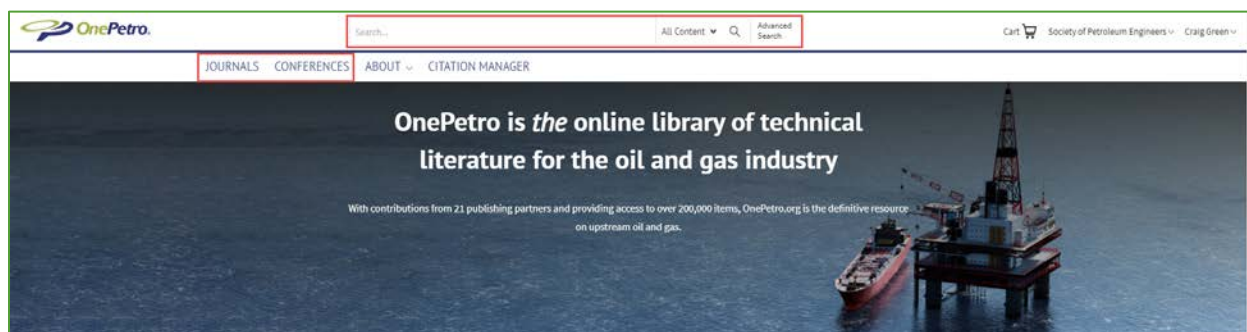


The screenshot shows the 'My Institutional Download Packages' page. On the left sidebar, under 'My Account', 'My Institutional Downloads' is highlighted. The main content area is titled 'My Institutional Download Packages' and contains a section for 'Current Packages'. Below this is a table with columns 'Package', 'Downloads Credited', 'Downloads Remaining', and 'Expires'. A row in this table shows the package 'OnePetro Corporate Limited 250 Subscription' with '250' downloads credited and '212' downloads remaining. The 'Downloads Remaining' value is highlighted with a red box. The expiration date is '04/22/2021'.

Package	Downloads Credited	Downloads Remaining	Expires
OnePetro Corporate Limited 250 Subscription	250	212	04/22/2021

ACCESSING CONTENT

1. Search for a paper using the search bar at the top of the page or by using the conference and journal buttons.



2. Papers displaying a green ✓ are available for download. Papers displaying a black \$ must be purchased or redeemed using a download credit.
3. Select a paper to view the abstract.

Day 1 Mon, November 02, 2020

DRILLING AND WELL I

☐ Select All in Section
 Add to Cart
 Add to Citation Manager
 [Download All in Section](#)

☐ Well Design Changes Extend Well Life in Subsiding Overburden at Valhall From 7 to 24 Years ✓
 Tron Golder Kristiansen
 Paper presented at the SPE Norway Subsurface Conference, Virtual, November 2020. doi: <https://doi.org/10.2118/200749-MS>

Abstract ▾
 View Article
 PDF
 Add to Citation Manager

☐ Logging and Geosteering with a Green BHA - Radioisotope-Free LWD Formation Evaluation Including Deep Azimuthal EM and High-Resolution Imaging in OBM \$
 Mathias Horstmann; Chandramani Shrivastava; Jean-Michel Denichou; Gjertrud Halset; Mauro Firinu; Federica Colombo; Subhadeep Sarkar; Mirza Baig Hassan; Sigurd Nyboe; Koushik Sikdar
 Paper presented at the SPE Norway Subsurface Conference, Virtual, November 2020. doi: <https://doi.org/10.2118/200722-MS>



Abstract ▾
 View Article
 PDF
 Add To Cart
 Add to Citation Manager

4. At the top of the page will display information about the paper. Beneath will be options to generate a citation, a shareable link, and request permissions to use a figure, followed by the abstract.

Logging and Geosteering with a Green BHA - Radioisotope-Free LWD Formation Evaluation Including Deep Azimuthal EM and High-Resolution Imaging in OBM 💰

Mathias Horstmann; Chandramani Shrivastava; Jean-Michel Denichou; Gjertrud Halset; Mauro Firinu; Federica Colombo; Subhadeep Sarkar; Mirza Baig Hassan; Sigurd Nyboe; Koushik Sikdar

Paper presented at the SPE Norway Subsurface Conference, Virtual, November 2020.
 Paper Number: SPE-200722-MS
<https://doi.org/10.2118/200722-MS>
 Published: November 02 2020

 Cite ▾
  Share ▾
  Get Permissions

Abstract

The Norwegian oil and gas industry (O&G) operates nowadays in more demanding and sensitive

5. Beneath the abstract, at the bottom of the page are the procurement options. Select **SPEND A DOWNLOAD** to use a credit from your institutional or individual subscription.

The screenshot displays a series of procurement options for an article. At the top, 'Pay-Per-View Access \$28.00' is shown with a dark blue button labeled 'BUY THIS ARTICLE'. Below this, two 'Annual Article Package' options are presented side-by-side: one for 25 articles at \$175 and another for 50 articles at \$275, each with a 'BUY DOWNLOADS' button. The bottom section features the 'OnePetro Corporate Limited 500 Subscription' with a 'SPEND A DOWNLOAD' button highlighted by a red rectangle. A 'View Your Downloads' link is located at the bottom of the section.

Pay-Per-View Access \$28.00

BUY THIS ARTICLE

Annual Article Package – 25
\$175
BUY DOWNLOADS

Annual Article Package – 50
\$275
BUY DOWNLOADS

OnePetro Corporate Limited 500 Subscription
SPEND A DOWNLOAD

[View Your Downloads](#)

The other options include purchasing an individual subscription or purchasing the singular paper at either standard or membership pricing levels.

6. Additionally, on the search screen, the option to **Download All in Section** has been retained.

Day 1 Mon, November 02, 2020

DRILLING AND WELL I

☐ **Select All in Section**

☐ Well Design Changes Extend Well Life in Subsiding Overburden at Valhall From 7 to 24 Years ✓
 Tron Golder Kristiansen
 Paper presented at the SPE Norway Subsurface Conference, Virtual, November 2020. doi: <https://doi.org/10.2118/200749-MS>

☐ Logging and Geosteering with a Green BHA - Radioisotope-Free LWD Formation Evaluation Including Deep Azimuthal EM and High-Resolution Imaging in OBM ✓
 Mathias Horstmann; Chandramani Shrivastava; Jean-Michel Denichou; Gjertrud Halset; Mauro Firinu; Federica Colombo; Subhadeep Sarkar; Mirza Baig Hassan; Sigurd Nyboe; Koushik Sikdar
 Paper presented at the SPE Norway Subsurface Conference, Virtual, November 2020. doi: <https://doi.org/10.2118/200722-MS>

7. A pop-up will display presenting you with options if you do not already have access to all the papers in the section.

Use Downloads to Gain Access?

0 Remaining downloads are not applicable to this content.

5 used to purchase

Purchase More Downloads to Continue

Annual Article Package – 25	\$175	Add To Cart
Annual Article Package – 50	\$275	Add To Cart

Use Institutional Downloads to Gain Access?

498 Institutional Downloads available in this account.

5 used to purchase

Yes, Use 5 Institutional Downloads [Cancel](#)

8. Once you have purchased the paper or redeemed it using a credit, you may read it. Most papers on OnePetro are available as downloadable PDFs; however, some papers may also be read online as flowable content. In the case of the latter, you may use the **Split-Screen** functionality to more easily compare the text of the paper with the figures and references.

Logging and Geosteering with a Green BHA - Radioisotope-Free LWD Formation Evaluation Including Deep Azimuthal EM and High-Resolution Imaging in OBM

Mathias Horstmann; Chandramani Shrivastava; Jean-Michel Denichou; Gjertrud Halset; Mauro Firinu; Federica Colombo; Subhadeep Sarkar; Mirza Baig Hassan; Sigurd Nyboe; Koushik Sikdar

Paper presented at the SPE Norway Subsurface Conference, Virtual, November 2020.

Paper Number: SPE-200722-MS

<https://doi.org/10.2118/200722-MS>

Published: November 02 2020

Split-Screen
 PDF
 Cite
 Share
 Get Permissions

9. Split-screen divides the page into two frames for an improved reading experience.

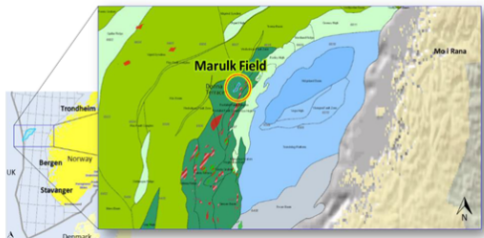
such as using and handling chemical radioactive sources for wellbore logging.

Marulk field was discovered in 1992 (Figure 1) and is a gas condensate accumulation located in the Norwegian Sea on the Dønna terrace, forming a large down faulted block on the western margin of the Trøndelag platform, situated between the Nordland ridge and Vøring basin. Hydrocarbons are produced since 2012 from late Cretaceous formations with a direct tie-in to an existing floating production storage and offloading unit (FPSO). Marulk's main reservoir is in the Lysing Formation (Upper Turonian-Lower Coniacian) and consists of a confined turbidite system; sandstone lobes onlap the crest of a tilted block. A secondary reservoir is Lange Formation (Uppermost Albian-Lower Turonian), consisting of heterogeneous turbiditic sands alternating with shales. Lange Fm. sands are laterally and vertically graded into deep-water clays and were deposited in a relatively unconfined basin. Therefore, high uncertainty is associated to the sand distribution as the geometry and dimension of the bodies are not proven. Still volumes from the Lange reservoir were included as potential upside in the plan for development and operation (PDO) of Marulk.

Targeting and exploiting these reservoir units and to utilize spare capacities of the existing facilities would maximize the value generation from the field. To minimize the operational footprint, it was decided to drill a single horizontal production well following a strict geosteering strategy to optimize reservoir exposure and to acquire key log data for a comprehensive reservoir evaluation and well completion.

Contents
Data & Figures
References
Related

Figure 1



VIEW LARGE
DOWNLOAD SLIDE

Marulk field location map on the Norwegian Continental Shelf (after NPD FactMaps 2020)


10. Flowable content is also much easier to read on mobile devices than a PDF file.


10:02




sperc.silverchair.com/SPEHI

1

THE RIGHT RESOURCE FOR EVERY OIL AND GAS PROFESSIONAL











SPE Hydraulic Fracturing Technology Conference and Exhibition

☰

prevent further drilling. The analysis of the varying width and length of the fracture, and the evolving stress state in the near-borehole region can help us understand how to prevent such fractures. In addition, accurate prediction of the fracture geometry is important for the selection of the treatment needed to seal the fracture to prevent further drilling fluid loss.

Finally, a case study involving 3D hydraulic fracture modeling of the CRI process is discussed. CRI is an environmental-friendly and cost-effective method for waste-disposal operations commonly used worldwide in the oil and gas industry. It consists of injecting drill cuttings into