



# Respondent Readiness Training for EIA-23L Annual Report of Domestic Oil and Gas Reserves

*For EIA-23L Respondents  
February 2023*



# Key Concepts

- What has changed?
  - Revisions to the form
  - Method of submission
- Crosswalk between the old EIA-23L and the new EIA-23L
  - Company and Contact Identification
  - Total Reserves and Production by State
  - Shale Reserves and Production by State
- How to Submit the form to EIA
  - Using Secure File Transfer



# Changes in the new Form EIA-23L

## Reporting



Respondents will now use a Microsoft Excel® fillable spreadsheet to compile and submit their data.

## Geographic Detail



Geographic reporting of all data is now at the state or state subdivision level. EIA no longer collects data at the county level.

## Fewer Data Points



EIA has reduced the level of granularity when reporting total liquids and total natural gas.

## Secure Transmission



EIA will **no longer use** the Reserves Information Gathering System (RIGS). EIA's Secure File Transfer provides a secure encrypted transfer of data.



# Crosswalk

Old EIA-23L form versus New EIA-23L form



# EIA-23L (Old) / EIA-23L (New) Form Parts - Crosswalk

| Form EIA-23L (OLD) |  |
|--------------------|--|
| Part 1             | Identification   |
| Part 2             | Parent Company Identification                                    |
| Part 3             | Company Approval   |
| Schedule A         | Operated Proved Reserves, Production, and Related Data by County |
| Schedule B         | Footnotes  |



| Form EIA-23L (NEW) |                                      |
|--------------------|--------------------------------------|
| Part 1             | Company & Contact Identification     |
| Part 2             | Parent Company Identification        |
| Part 3             | Company Approval & Comments          |
| Part 4             | Total Reserves & Production by State |
| Part 5             | Shale Reserves & Production by State |




# Part 1: Company and Contact Identification

## Renumbering of Questions

The new EIA-23L Part 1 collects the same data as previous versions but has been reformatted in question format for clarity, as follows:

1. Resubmissions
2. EIA Operator ID number
3. Company information associated with EIA Operator ID
4. Primary Contact information
5. Secondary Contact information
6. Status information
7. Sold/merged/transferred information
8. Acquisition information
9. Subsidiary/affiliated company information

|  |  |  |                            |  |
|--|--|--|----------------------------|--|
|  U.S. Energy Information Administration<br><small>Independent Statistics &amp; Analysis</small>  |  | U.S. DEPARTMENT OF ENERGY<br>ENERGY INFORMATION ADMINISTRATION<br>Washington, DC 20585 |                            | OMB No. 1905-0057<br>Expiration Date: 8/31/2025<br>Product No.: 2022.2<br>Burden: 31 hours |
| REPORT YEAR<br><b>2022</b>   | <b>FORM EIA-23L<br/>         ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES<br/>         COVER PAGE &amp; PARTS 1 - 3</b>                      |  | REPORT YEAR<br><b>2022</b> |  |
| <small>This report is mandatory under Title 15 U.S.C. §772(b), as amended. For the provisions concerning the confidentiality of information and sanction statements, see Sections F and G of the instructions.</small>   |  |  |                            |  |
| Complete and return by<br><b>April 14, 2023</b><br>Using   | → EIA Secure File Transfer at<br><a href="https://signon.eia.doe.gov/upload/noticeoog.jsp">https://signon.eia.doe.gov/upload/noticeoog.jsp</a> | <b>Questions?</b><br>1-855-342-4872<br>eia4usa@eia.gov                                 |                            |  |
| <b>PART 1: COMPANY AND CONTACT IDENTIFICATION</b>  |  |  |                            |  |
| 1. Is this a Resubmission? <input type="checkbox"/> No <input type="checkbox"/> Yes  |  |  |                            |  |
| 2. Enter your EIA Operator ID number, if not shown: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |  |  |                            |  |
| 3. Enter your Company information that is associated with your EIA Operator ID number.   |  |  |                            |  |
| Company Name: <input type="text"/>   |  |  |                            |  |
| Street or PO Box: <input type="text"/>   |  |  |                            |  |
| City, State, Zip Code: <input type="text"/>  |  |  |                            |  |
| Check this box if any of the Company information above changed since the last report. <input type="checkbox"/>   |  |  |                            |  |
| 4. Enter information for the <b>primary contact</b> at your Company responsible for completing the form.   |  |  |                            |  |
| Primary Person Name: <input type="text"/> Email: <input type="text"/>  |  |  |                            |  |
| Phone: ( <input type="text"/> ) <input type="text"/> Ext: <input type="text"/> Fax: ( <input type="text"/> ) <input type="text"/>  |  |  |                            |  |
| Check this box if any of the primary person contact information above changed since the last report. <input type="checkbox"/>  |  |  |                            |  |
| 5. Enter information for a <b>secondary contact</b> at your Company responsible for completing the form.   |  |  |                            |  |
| Secondary Person Name: <input type="text"/> Email: <input type="text"/>  |  |  |                            |  |
| Phone: ( <input type="text"/> ) <input type="text"/> Ext: <input type="text"/> Fax: ( <input type="text"/> ) <input type="text"/>  |  |  |                            |  |
| Check this box if any of the secondary person contact information above changed since the last report. <input type="checkbox"/>  |  |  |                            |  |
| Check this box if there is <b>not</b> a secondary person at the Company. <input type="checkbox"/>  |  |  |                            |  |
| 6. Did your Company, or any subsidiaries or affiliates you are reporting for, operate any oil and gas properties at any time during report year 2022? (See Section B. Who Must Submit on page 2 in the instructions.)  |  |  |                            |  |
| No → STOP. complete only Question 12 below and return the form   |  |  |                            |  |
| Yes → CONTINUE. complete all remaining and applicable Questions and return the form  |  |  |                            |  |
| 7. In report year 2022, was your Company or any of its oil or gas properties sold, merged, or transferred to any other company(ies)? Select the one best answer.   |  |  |                            |  |
| No → Proceed to Question 8   |  |  |                            |  |
| Yes, entire Company sold/merged/transferred  |  |  |                            |  |
| Below, enter company name(s) your Company or properties were sold/merged/transferred to, state(s) where your Company's sold/merged/transferred   |  |  |                            |  |



# Part 2: Parent Company Identification

## Renumbering of Questions

There is no change in the information collected in Part 2 for Parent Company Identification.

Information on the Parent Company is now captured under Question 10.

| PART 2: PARENT COMPANY IDENTIFICATION   |
|---|
| 10. Is there a <b>parent company</b> that exercises control over your Company?<br>No → <i>Proceed to Question 11</i><br>Yes → <i>Enter the information below for the parent company, proceed to Question 11</i> |
| Parent Company Name: _____  |
| Street or PO Box: _____   |
| City, State, Zip Code: _____  |
| <input type="checkbox"/> Check this box if any of the parent company information above changed since the last report.   |



# Part 3: Company Approval and Comments

## Renumbering of Questions


Part 3 now captures any comments in Question 11. Use this space to provide EIA with any comments or additional information related to company identification and operating status covered in Parts 1 & 2.

Question 12 now captures the name and title of the company official authorized to approve the filing of the EIA-23L.

| PART 3: COMPANY APPROVAL AND COMMENTS   |             |
|---|-------------|
| 11. Please enter any comments you have in the space below.  |             |
| <div style="border: 1px solid black; height: 100px;"></div>   |             |
| 12. Enter the name and title of the company official authorized to approve the filing of this report.<br><i>This is required before returning the form.</i> |             |
| Reviewed/approved by: _____   |             |
| Title: _____  | Date: _____ |



# Part 4: Total Reserves and Production by State (slide 1 of 4)

|  Independent Division of Analysis<br>U.S. Energy Information<br>Administration   |   | U.S. DEPARTMENT OF ENERGY<br>ENERGY INFORMATION ADMINISTRATION<br>Washington, DC 20585                                  |                    |                                  |                                |                                    | OMB No. 1905-0057<br>Expiration Date: 8/31/2025<br>Product No.: 2022.2<br>Burden: 31 hours |                   |                     |                                 |                               |                                   |   |
|---|---|---|--------------------|----------------------------------|--------------------------------|------------------------------------|--|-------------------|---------------------|---------------------------------|-------------------------------|-----------------------------------|---|
| REPORT YEAR<br>2022   |   | FORM EIA-23L<br>ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES<br>PART 4: <b>TOTAL RESERVES AND PRODUCTION BY STATE</b> |                    |                                  |                                |                                    |  |                   | REPORT YEAR<br>2022 |                                 |                               |                                   |   |
| <b>Section Instructions</b><br>Enter Production and Reserves data for <u>TOTAL</u> oil and condensate combined and <u>TOTAL</u> non-associated and associated-dissolved natural gas combined for 100% working interest of the properties you operate in each state.<br>Put any clarifying comments in the <u>Comments</u> space on the far right side of each row and use all the space needed.<br>The gray shaded Subtotal rows are auto-calculated, please do not enter any values in them.<br>See the Form EIA-23L <u>instructions</u> for more details. |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| PART 4: TOTAL RESERVES AND PRODUCTION BY STATE  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| State, Sub-Division, Area   | Total Crude Oil and Lease Condensate, MBbls |   |                    |                                  |                                |                                    | Total Natural Gas, MMcF  |                   |                     |                                 |                               |                                   | Comments<br>(use as much space as needed) |
|   | Production MBbls                            | Divestitures MBbls  | Acquisitions MBbls | Extensions and Discoveries MBbls | Total Producing Reserves MBbls | Total Non-Producing Reserves MBbls | Production MMcF  | Divestitures MMcF | Acquisitions MMcF   | Extensions and Discoveries MMcF | Total Producing Reserves MMcF | Total Non-Producing Reserves MMcF |   |
| Alaska  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Alabama   |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Arkansas  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| California Coastal Region Onshore   |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| California Los Angeles Basin Onshore  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| California San Joaquin Basin Onshore  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| California State Offshore   |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| <b>CALIFORNIA Subtotal (auto-calculated)</b>  | 0   | 0   | 0                  | 0                                | 0                              | 0                                  | 0  | 0                 | 0                   | 0                               | 0                             | 0                                 |   |
| Colorado  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Kansas  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Kentucky  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Louisiana North   |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Louisiana South Onshore   |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Louisiana State Offshore  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| <b>LOUISIANA Subtotal (auto-calculated)</b>   | 0   | 0   | 0                  | 0                                | 0                              | 0                                  | 0  | 0                 | 0                   | 0                               | 0                             | 0                                 |   |
| Michigan  |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Mississippi   |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |
| Montana   |   |   |                    |                                  |                                |                                    |  |                   |                     |                                 |                               |                                   |   |



# Part 4: Total Reserves and Production by State (slide 2 of 4)

OFFICIAL USE ONLY **2021** **FORM EIA-23L**  
**ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES**  
**SCHEDULE A - OPERATED PROVED RESERVES, PRODUCTION, AND RELATED DATA BY COUNTY**

Report All Liquid Volumes in Thousands of Barrels [MBbls] at 60°F Report All Volumes of Natural Gas in Million Cubic Feet [MMcf]

**1.0 OPERATOR DETAILED DATA REPORT**

1.1 EIA OPERATOR ID CODE 1.2 OPERATOR NAME REPORT DATE 1.3 ORIGINAL 1.4 AM

2.0 COUNTY DATA (OPERATED BASIS)

2.1 1. STATE CODE 2. SUBDIV CODE 3. COUNTY CODE 4. COUNTY NAME 5. TYPE CODE 6. FIELD, PLAY, OR PROSPECT NAME (OPTIONAL) 7. PROVED NONPRODUCING RESERVES - DECEMBER 31, 2020 (A)

9. # OF PRODUCING WELLS AS OF DECEMBER 31, 2021

TYPE OF HYDROCARBON TOTAL PROVED RESERVES DECEMBER 31, 2020 (A)

12. CRUDE OIL (MBbls)

13. ASSOCIATED-DISSOLVED GAS (MMcf)

14. NONASSOCIATED GAS (MMcf)

15. LEASE CONDENSATE (MBbls)

Old EIA-23L

eia U.S. Energy Information Administration U.S. DEPARTMENT OF ENERGY ENERGY INFORMATION ADMINISTRATION Washington, DC 20585

**FORM EIA-23L**  
**ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES**  
**PART 4: TOTAL RESERVES AND PRODUCTION BY STATE**

REPORT YEAR 2022 REPORT YEAR 2022

Section Instructions  
 Enter Production and Reserves data for TOTAL oil and condensate combined and TOTAL non-associated and associated-dissolved natural gas combined for 100% of the acreage that you operate in each state.  
 Put any clarifying comments in the Comments space on the far right side of each row and use all the space needed.  
 The gray shaded Subtotal rows are auto-calculated, please do not enter any values in them.  
 See the Form EIA-23L instructions for more details.

**PART 4: TOTAL RESERVES AND PRODUCTION BY STATE**

| State, Sub-Division, Area | Total Crude Oil and Lease Condensate, MBbls |                    |                    |                                  |                                |                                    | Total Natural Gas, MMCF |                   |                   |                                 |                               |                                   | Comments<br>(use as much space as needed) |
|---------------------------|---|--------------------|--------------------|----------------------------------|--------------------------------|------------------------------------|-------------------------|-------------------|-------------------|---------------------------------|-------------------------------|-----------------------------------|---|
|                           | Production MBbls                            | Divestitures MBbls | Acquisitions MBbls | Extensions and Discoveries MBbls | Total Producing Reserves MBbls | Total Non-Producing Reserves MBbls | Production MMCF         | Divestitures MMCF | Acquisitions MMCF | Extensions and Discoveries MMCF | Total Producing Reserves MMCF | Total Non-Producing Reserves MMCF |   |
| Alaska                    |   |                    |                    |                                  |                                |                                    |                         |                   |                   |                                 |                               |                                   |   |
| Alabama                   |   |                    |                    |                                  |                                |                                    |                         |                   |                   |                                 |                               |                                   |   |
| Arkansas                  |   |                    |                    |                                  |                                |                                    |                         |                   |                   |                                 |                               |                                   |   |
| Onshore basin Onshore     |   |                    |                    |                                  |                                |                                    |                         |                   |                   |                                 |                               |                                   |   |
| Onshore basin Onshore     |   |                    |                    |                                  |                                |                                    |                         |                   |                   |                                 |                               |                                   |   |
| (auto-calculated)         | 0   | 0                  | 0                  | 0                                | 0                              | 0                                  | 0                       | 0                 | 0                 | 0                               | 0                             | 0                                 |   |
| (auto-calculated)         | 0   | 0                  | 0                  | 0                                | 0                              | 0                                  | 0                       | 0                 | 0                 | 0                               | 0                             | 0                                 |   |

New EIA-23L

Lines 12 and 15 on the old form are now reported in Part 4 for total crude oil and lease condensate for shale, conventional and low permeability reservoirs



# Part 4: Total Reserves and Production by State (slide 3 of 4)

OFFICIAL USE ONLY **2021** **FORM EIA-23L**  
**ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES**  
**SCHEDULE A - OPERATED PROVED RESERVES, PRODUCTION, AND RELATED DATA BY COUNTY**

Report All Liquid Volumes in Thousands of Barrels [MBbls] at 60°F **Old EIA-23L** Report All Volumes of Natural Gas in Million Cubic Feet [MMcf]

**1.0 OPERATOR DETAILED DATA REPORT**

1.1 EIA OPERATOR ID CODE: [ ] 1.2 OPERATOR NAME: [ ] REPORT DATE: 12 31 21 1.3 ORIGINAL: [ ] 1.4 AM: [ ]

**2.0 COUNTY DATA (OPERATED BASIS)**

2.1 1. STATE CODE: [ ] 2. SUBDIV CODE: [ ] 3. COUNTY CODE: [ ] 4. COUNTY NAME: [ ] 5. TYPE CODE: [ ] 6. FIELD, PLAY, OR PROSPECT NAME (OPTIONAL): [ ] 7. PROVED NONPRODUCING RESERVES - DECEMBER 31, 2020 (A): [ ]

9. # OF PRODUCING WELLS AS OF DECEMBER 31, 2021: [ ]

12. CRUDE OIL (MBbls): [ ]

13. ASSOCIATED-DISSOLVED GAS (MMcf): [ ]

14. NONASSOCIATED GAS (MMcf): [ ]

15. LEASE CONDENSATE (MBbls): [ ]

U.S. DEPARTMENT OF ENERGY  
 ENERGY INFORMATION ADMINISTRATION  
 Washington, DC 20585

**FORM EIA-23L**  
**ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES**  
**PART 4: TOTAL RESERVES AND PRODUCTION BY STATE**

OMB No. 1905-0057  
 Expiration Date: 8/31/2025  
 Product No.: 2022.2  
 Burden: 31 hours

REPORT YEAR: 2022

Section Instructions  
 Enter Production and Reserves data for TOTAL oil and condensate combined and TOTAL non-associated and associated-dissolved natural gas combined for 100% working interest. If you operate in each state.  
 Put any clarifying comments in the Comments space on the far right side of each row and use all the space needed.  
 The gray shaded Subtotal rows are auto-calculated, please do not enter any values in them.  
 See the Form EIA-23L Instructions for more details.

**PART 4: TOTAL RESERVES AND PRODUCTION BY STATE**

| State, Sub-Division, Area  | Total Crude Oil and Lease Condensate, MBbls |                       |                       |   |   |   | Total Natural Gas, MMCF |                      |                      |  |  |  | Comments<br>(use as much space as needed) |
|--|---|-----------------------|-----------------------|---|---|---|-------------------------|----------------------|----------------------|--|--|--|---|
|  | Production<br>MBbls                         | Divestitures<br>MBbls | Acquisitions<br>MBbls | Extensions<br>and<br>Discoveries<br>MBbls | Total<br>Producing<br>Reserves<br>MBbls | Total<br>Non-<br>Producing<br>Reserves<br>MBbls | Production<br>MMCF      | Divestitures<br>MMCF | Acquisitions<br>MMCF | Extensions<br>and<br>Discoveries<br>MMCF | Total<br>Producing<br>Reserves<br>MMCF | Total<br>Non-<br>Producing<br>Reserves<br>MMCF |   |
| Alaska   |   |                       |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Alabama  |   |                       |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Arkansas   |   |                       |                       |   |   |   |                         |                      |                      |  |  |  |   |
| in Onshore<br>basin Onshore<br>basin Onshore<br>P<br>(auto-calculated) | 0   | 0                     | 0                     | 0   | 0                                       | 0   | 0                       | 0                    | 0                    | 0  | 0                                      | 0  |   |
| LOUISIANA Subtotal (auto-calculated)                                   | 0   | 0                     | 0                     | 0   | 0                                       | 0   | 0                       | 0                    | 0                    | 0  | 0                                      | 0  |   |
| Michigan   |   |                       |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Mississippi  |   |                       |                       |   |   |   |                         |                      |                      |  |  |  |   |

Lines 13 and 14 on the old form are now reported in Part 4 for total natural gas for shale, conventional and low permeability reservoirs



# Part 4: Total Reserves and Production by State (slide 4 of 4)

| REPORT YEAR<br>2022   |   | FORM EIA-23L<br>ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES<br>PART 4: TOTAL RESERVES AND PRODUCTION BY STATE |                       |   |   |   |                         |                      |                      |  |  | REPORT YEAR<br>2022                            |   |
|---|---|--|-----------------------|---|---|---|-------------------------|----------------------|----------------------|--|--|--|---|
| Section Instructions  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Enter Production and Reserves data for <u>TOTAL</u> oil and condensate combined and <u>TOTAL</u> non-associated and associated-dissolved natural gas combined for 100% working interest of the properties you operate in each state.<br>Put any clarifying comments in the <u>Comments</u> space on the far right side of each row and use all the space needed.<br>The gray shaded Subtotal rows are auto-calculated, please do not enter any values in them.<br>See the Form EIA-23L instructions for more details. |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| PART 4: TOTAL RESERVES AND PRODUCTION BY STATE  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| State, Sub-Division, Area   | Total Crude Oil and Lease Condensate, MBbls |  |                       |   |   |   | Total Natural Gas, MMCF |                      |                      |  |  |  | Comments<br>(use as much space as needed) |
|   | Production<br>MBbls                         | Divestitures<br>MBbls  | Acquisitions<br>MBbls | Extensions<br>and<br>Discoveries<br>MBbls | Total<br>Producing<br>Reserves<br>MBbls | Total<br>Non-<br>Producing<br>Reserves<br>MBbls | Production<br>MMCF      | Divestitures<br>MMCF | Acquisitions<br>MMCF | Extensions<br>and<br>Discoveries<br>MMCF | Total<br>Producing<br>Reserves<br>MMCF | Total<br>Non-<br>Producing<br>Reserves<br>MMCF |   |
| Alaska  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Alabama   |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Arkansas  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| California Coastal Region Onshore   |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| California Los Angeles Basin Onshore  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| California San Joaquin Basin Onshore  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| California State Offshore   |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| <b>CALIFORNIA Subtotal (auto-calculated)</b>  |   |  |                       |   |   | 0   |                         |                      |                      |  |  | 0  |   |
| Colorado  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Kansas  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Kentucky  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Louisiana North   |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Louisiana South Onshore   |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Louisiana State Offshore  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| <b>LOUISIANA Subtotal (auto-calculated)</b>   |   |  |                       |   |   | 0   |                         |                      |                      |  |  | 0  |   |
| Michigan  |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Mississippi   |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |
| Montana   |   |  |                       |   |   |   |                         |                      |                      |  |  |  |   |

Report total crude oil and lease condensate for all reservoir types

Report total associated-dissolved gas and non-associated gas for all reservoir types

Comments section is now integrated into Part 4 and replaces Schedule B Footnotes



Note: Use the comments section to report irregularities during the year that affect production and details about acquisitions or divestitures, etc.



# Part 5: Shale Reserves and Production by State

| REPORT YEAR<br>2022   |                        | FORM EIA-23L<br>ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES<br>PART 5: SHALE RESERVES AND PRODUCTION BY STATE |   |   |   |                    |                         |                      |  |  |  | REPORT YEAR<br>2022                       |  |
|---|------------------------|--|---|---|---|--------------------|-------------------------|----------------------|--|--|--|---|--|
| Section Instructions  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Enter Production and Reserves data <u>ONLY</u> for <u>Shale</u> oil and condensate combined and nonassociated and associated-dissolved natural gas combined for 100% working interest of the properties you operate.<br>Put any clarifying comments in the <u>Comments</u> space on the far right side of each row and use all the space needed.<br>The gray shaded Subtotal rows are auto-calculated, please do not enter any values in them.<br>See the Form EIA-23L Instructions for more details. |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| PART 5: SHALE RESERVES AND PRODUCTION BY STATE  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Shale Oil and Condensate, MBbls   |                        |  |   |   |   |                    | Shale Natural Gas, MMCF |                      |  |  |  | Comments<br>(use as much space as needed) |  |
| Production<br>MBbls   | Divestitures<br>MMBbls | Acquisitions<br>MBbls  | Extensions<br>and<br>Discoveries<br>MBbls | Total<br>Producing<br>Reserves<br>MBbls | Total<br>Non-<br>Producing<br>Reserves<br>MBbls | Production<br>MMCF | Divestitures<br>MMCF    | Acquisitions<br>MMCF | Extensions<br>and<br>Discoveries<br>MMCF | Total<br>Producing<br>Reserves<br>MMCF | Total<br>Non-<br>Producing<br>Reserves<br>MMCF |   |  |
| State, Sub-Division, Shale Play   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Arkansas Fayetteville   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Colorado Niobrara   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Louisiana North Haynesville   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Michigan Antrim   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Montana Bakken Three Forks  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Nebraska Niobrara   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| New Mexico East Wolfcamp, Bone Spring   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| North Dakota Bakken, Three Forks  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Ohio Marcellus, Utica, Point Pleasant   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Oklahoma Woodford   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Pennsylvania Marcellus Utica  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| South Dakota Three Forks  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 1 Eagle Ford   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 2 Onshore Eagle Ford   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 3 Onshore Eagle Ford   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 4 Onshore Eagle Ford   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 5 Barnett, Eagle Ford  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 6 Bossier, Haynesville   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 7B Barnett   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 7C Wolfcamp  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 8 Wolfcamp   |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |
| Texas RRC District 9A Wolfcamp  |                        |  |   |   |   |                    |                         |                      |  |  |  |   |  |

Report total crude oil and lease condensate for shale only in Part 5

Report total associated-dissolved gas and non-associated gas for shale only in Part 5


Comments section is now integrated into Part 5 and replaces Schedule B Footnotes

# Parts 4 & 5: Fillable Spreadsheet by State/State Subdivision/Area

## New Grid Format

The new fillable spreadsheet format allows respondents to use table format to file geographic data at the State, Sub-Division, or Area level

- Respondents no longer manually enter geographic location. The MS Excel® spreadsheet provides the list of states, sub-divisions or areas in a grid format
- Sub-divisions and areas will aggregate automatically at the state level



| State, Sub-Division, Area                    | Total Crude Oil and Lease Condensate, MBbls |                    |                    |                                  |                                |                                    |
|--|---|--------------------|--------------------|----------------------------------|--------------------------------|------------------------------------|
|  | Production MBbls                            | Divestitures MBbls | Acquisitions MBbls | Extensions and Discoveries MBbls | Total Producing Reserves MBbls | Total Non-Producing Reserves MBbls |
| A  | B   | C                  | D                  | E                                | F                              | G                                  |
| Alaska                                       |   |                    |                    |                                  |                                |                                    |
| Alabama                                      |   |                    |                    |                                  |                                |                                    |
| Arkansas                                     |   |                    |                    |                                  |                                |                                    |
| California Coastal Region Onshore            |   |                    |                    |                                  |                                |                                    |
| California Los Angeles Basin Onshore         |   |                    |                    |                                  |                                |                                    |
| California San Joaquin Basin Onshore         |   |                    |                    |                                  |                                |                                    |
| California State Offshore                    |   |                    |                    |                                  |                                |                                    |
| <b>CALIFORNIA Subtotal (auto-calculated)</b> | 0   | 0                  | 0                  | 0                                | 0                              | 0                                  |
| Colorado                                     |   |                    |                    |                                  |                                |                                    |
| Kansas                                       |   |                    |                    |                                  |                                |                                    |
| Kentucky                                     |   |                    |                    |                                  |                                |                                    |
| Louisiana North                              |   |                    |                    |                                  |                                |                                    |
| Louisiana South Onshore                      |   |                    |                    |                                  |                                |                                    |
| Louisiana State Offshore                     |   |                    |                    |                                  |                                |                                    |
| <b>LOUISIANA Subtotal (auto-calculated)</b>  | 0   | 0                  | 0                  | 0                                | 0                              | 0                                  |
| Michigan                                     |   |                    |                    |                                  |                                |                                    |
| Mississippi                                  |   |                    |                    |                                  |                                |                                    |
| Montana                                      |   |                    |                    |                                  |                                |                                    |
| Nebraska                                     |   |                    |                    |                                  |                                |                                    |
| New Mexico East                              |   |                    |                    |                                  |                                |                                    |
| New Mexico West                              |   |                    |                    |                                  |                                |                                    |

# Parts 4 & 5: Fillable Spreadsheet by State/State Subdivision/Area

## New Grid Format

- Parts 4 & 5 of the new fillable spreadsheet contain a column for States, Sub-divisions, and Areas.
- The most commonly reported States, Sub-divisions, and Areas are provided
- If there is a State you would like to report that is not listed, use the drop-down list at the bottom of the form to file your data.
- Parts 4 & 5 contain these drop-down options for reporting a State not listed on the form.

| State, Sub-Division, Area                    | Total Crude Oil and Lease Condensate, MEBIs |                    |                    |                                  |                                |                                    |
|--|---|--------------------|--------------------|----------------------------------|--------------------------------|------------------------------------|
|  | Production MEBIs                            | Divestitures MEBIs | Acquisitions MEBIs | Extensions and Discoveries MEBIs | Total Producing Reserves MEBIs | Total Non-Producing Reserves MEBIs |
| A  | B   | C                  | D                  | E                                | F                              | G                                  |
| Alaska                                       |   |                    |                    |                                  |                                |                                    |
| Alabama                                      |   |                    |                    |                                  |                                |                                    |
| Arkansas                                     |   |                    |                    |                                  |                                |                                    |
| California Coastal Region Onshore            |   |                    |                    |                                  |                                |                                    |
| California Los Angeles Basin Onshore         |   |                    |                    |                                  |                                |                                    |
| California San Joaquin Basin Onshore         |   |                    |                    |                                  |                                |                                    |
| California State Offshore                    |   |                    |                    |                                  |                                |                                    |
| <b>CALIFORNIA Subtotal (auto-calculated)</b> | 0   | 0                  | 0                  | 0                                | 0                              | 0                                  |
| Colorado                                     |   |                    |                    |                                  |                                |                                    |
| Kansas                                       |   |                    |                    |                                  |                                |                                    |
| Kentucky                                     |   |                    |                    |                                  |                                |                                    |
| Louisiana North                              |   |                    |                    |                                  |                                |                                    |
| Louisiana South Onshore                      |   |                    |                    |                                  |                                |                                    |
| <b>Louisiana Subtotal (auto-calculated)</b>  | 0   | 0                  | 0                  | 0                                | 0                              | 0                                  |
| Other States:                                |   |                    |                    |                                  |                                |                                    |
| Arizona                                      |   |                    |                    |                                  |                                |                                    |
| Florida                                      |   |                    |                    |                                  |                                |                                    |
| Idaho  |   |                    |                    |                                  |                                |                                    |
| Illinois                                     |   |                    |                    |                                  |                                |                                    |
| Indiana                                      |   |                    |                    |                                  |                                |                                    |
| Maryland                                     |   |                    |                    |                                  |                                |                                    |
| Missouri                                     |   |                    |                    |                                  |                                |                                    |
| Nevada                                       |   |                    |                    |                                  |                                |                                    |
| Oregon                                       |   |                    |                    |                                  |                                |                                    |
| Tennessee                                    |   |                    |                    |                                  |                                |                                    |
| State not listed:                            |   |                    |                    |                                  |                                |                                    |
| <b>OTHER STATES Subtotal</b>                 |   |                    |                    |                                  |                                |                                    |
| <sup>a</sup> Central Planning Area Inc       |   |                    |                    |                                  |                                |                                    |




# Parts 4 & 5: Fillable Spreadsheet by State/State Subdivision/Area


## New Grid Format - EDITS

Parts 4 & 5 of the new fillable spreadsheet contain two edits that check the data entered.

1. Values cannot be a negative number, a fractional number, or a non-numeric value.
2. The value entered in Part 5 (Shale only) cannot exceed the value reported in Part 4 in a particular data field. Part 5 is a subset of the data reported in Part 4. **Any data reported in Part 5 needs to be reported in Part 4.**

|  |  |   |                            |  |                                       |
|--|--|---|----------------------------|--|---------------------------------------|
|  <small>Independent Statistics &amp; Analysis</small><br>U.S. Energy Information Administration   |  | U.S. DEPARTMENT OF ENERGY<br>ENERGY INFORMATION ADMINISTRATION<br>Washington, DC 20585                                  |                            |  |                                       |
| REPORT YEAR<br>2022  |  | FORM EIA-23L<br>ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES<br>PART 4: <u>TOTAL</u> RESERVES AND PRODUCTION BY STATE |                            |  |                                       |
| <b>Section Instructions</b><br>Enter Production and Reserves data for <u>TOTAL</u> oil and condensate combined and <u>TOTAL</u> non-associated and associated-dissolved natural gas combined for 100% working interest of the properties you operate in each state.<br>Put any clarifying comments in the <u>Comments</u> space on the far right side of each row and use all the space needed.<br>The gray shaded Subtotal rows are auto-calculated, please do not enter any values in them.<br>Warnings/Errors are color coded. Look for error messages along the right edge of the form. <span style="color: orange;">Orange =&gt; Warning: Exceeds expected range</span> <span style="color: red;">Red =&gt; Error: Negative value</span><br>See the Form EIA-23L instructions for more details. |  |   |                            |  |                                       |
| <b>PART 4: TOTAL RESERVES AND PRODUCTION BY STATE</b>  |  |   |                            |  |                                       |
| State, Sub-Division, Area<br>A   | Total Crude Oil and Lease Condensate Reserves and Production |   |                            |  | Total Producing Reserves<br>MMCF<br>N |
|  | Production<br>MBbls<br>B                                     | Divestitures<br>MBbls<br>C  | Acquisitions<br>MBbls<br>D | Extensions and Discoveries<br>MBbls<br>E |                                       |
| Alaska   |  |   |                            |  |                                       |
| Alabama  |  | -500  |                            |  |                                       |
| Arkansas   |  |   |                            |  |                                       |
| California Coastal Region Onshore  |  |   |                            |  |                                       |
| California Los Angeles Basin Onshore   |  |   |                            |  |                                       |
| California San Joaquin Basin Onshore   |  |   |                            |  |                                       |
| California State Offshore  |  |   |                            |  |                                       |

Unexpected value

 The value entered either exceeds the expected range for this field or is negative, fractional, or non-numeric. Continue?



# How to Submit the Form to EIA Using the Secure File Transfer (SFT)



# How to File your EIA-23L

Beginning with the 2022 Report Cycle, use Secure File Transfer



*Independent Statistics & Analysis*  
U.S. Energy Information  
Administration

## Secure File Transfer

### Agreement

This is a Federal computer system and is the property of the United States Government. Users have no explicit or implicit expectation of privacy.

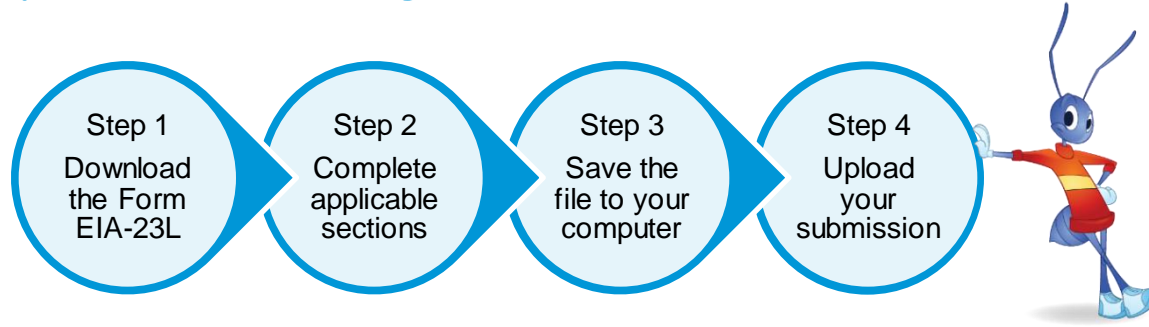
With the exception of individually identifiable data or information collected exclusively for statistical purposes under a pledge of confidentiality (i.e. data protected from disclosure by the Confidential Information Protection and Statistical Efficiency Act of 2002, Public Law 107-347), in accordance with applicable law any use of this system and all files on this system may be intercepted, monitored, recorded, copied, audited, inspected, and disclosed to authorized site, Department of Energy, and law enforcement personnel, as well as authorized officials of other agencies both domestic and foreign. By using this system, the user consents to lawful interception, monitoring, recording, copying, auditing, inspection, and disclosure at the discretion of authorized site or Department of Energy personnel.

Unauthorized or improper use of this system may result in administrative disciplinary action and civil and/or criminal penalties. By continuing to use this system you indicate your awareness of and consent to these terms and conditions of use. CLOSE THIS WINDOW if you do not agree to the conditions.

Accept



# How to File your Data using the EIA's Secure File Transfer (SFT)



You can download instructions and the Form EIA-23L in Microsoft Excel® spreadsheet at <https://www.eia.gov/survey/#eia-23L>

Submit your completed forms to EIA using the Secure File Transfer System. The secure hypertext transfer protocol (HTTPS) is a communications protocol designed to transfer encrypted information between computers over the Internet.

Access the EIA Secure File Transfer site at <https://signon.eia.doe.gov/upload/noticeoog.jsp>


# How to Use Secure File Transfer

## Secure File Transfer Instructions

Once data have been compiled and saved in a Microsoft Excel® file, respondents will upload their submission by accessing the EIA secure transmission site at:

<https://signon.eia.doe.gov/upload/noticeoog.jsp>

Click on the **Accept** button.

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U.S. Energy Information  
Administration

## Secure File Transfer

### Agreement

This is a Federal computer system and is the property of the United States Government. Users have no explicit or implicit expectation of privacy.

With the exception of individually identifiable data or information collected exclusively for statistical purposes under a pledge of confidentiality (i.e. data protected from disclosure by the Confidential Information Protection and Statistical Efficiency Act of 2002, Public Law 107-347), in accordance with applicable law any use of this system and all files on this system may be intercepted, monitored, recorded, copied, audited, inspected, and disclosed to authorized site, Department of Energy, and law enforcement personnel, as well as authorized officials of other agencies both domestic and foreign. By using this system, the user consents to lawful interception, monitoring, recording, copying, auditing, inspection, and disclosure at the discretion of authorized site or Department of Energy personnel.

Unauthorized or improper use of this system may result in administrative disciplinary action and civil and/or criminal penalties. By continuing to use this system you indicate your awareness of and consent to these terms and conditions of use. CLOSE THIS WINDOW if you do not agree to the conditions.

**Accept**

# How to Use Secure File Transfer

## Secure File Transfer Instructions

Fill out the **Contact Information** fields for name, company, email address (a required field) and phone number.

Click on the **Choose Files** button to navigate to your saved Excel file submission. Instructions for choosing files are provided on the next two slides.

Click on the **Submit File(s)** button.

The screenshot shows the 'Secure File Transfer' form from the U.S. Energy Information Administration. The form includes a header with the EIA logo and the text 'Independent Statistics & Analysis U.S. Energy Information Administration'. The main title is 'Secure File Transfer'. A 'Help' button is located in the top right corner. The form is divided into sections: 'Contact Information' with fields for 'Name', 'Company', 'Email', and 'Phone'; 'File(s) to Be Transferred' with a file selection area showing 'Choose Files' and 'No file chosen'; and a footer with 'Submit File(s)' and 'Reset Form' buttons. A note explains that only Excel Workbook (.xlsx), Excel 97-2003 Workbook (.xls), Dat (.dat), and Portable Document Format (.pdf) files are allowed. A link is provided for legacy file submission.

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U.S. Energy Information Administration

## Secure File Transfer

\* Required Field Help

Contact Information

**Name**  **Company**

\* **Email**  **Phone**

File(s) to Be Transferred

Select the file(s) from your system below. Currently only Excel Workbook (.xlsx), Excel 97-2003 Workbook (.xls), Dat (.dat), Portable Document Format (.pdf) files are allowed.

\* **File(s)**

Choose Files No file chosen

**Need to submit multiple files?** In the file selection dialog use the Shift key to select a list of files, or the Ctrl key to select non-adjacent files. See our [help page](#) for more information.

If you would like to use our legacy file submission page [click here](#).

**Submit File(s)** Reset Form

# How to Use Secure File Transfer

## Choose Files

Click the button inside the yellow box and select the file you wish to upload. Select the file and click on the **Open** button.

If you are ready to submit your files, click the green **Submit File(s)** button.

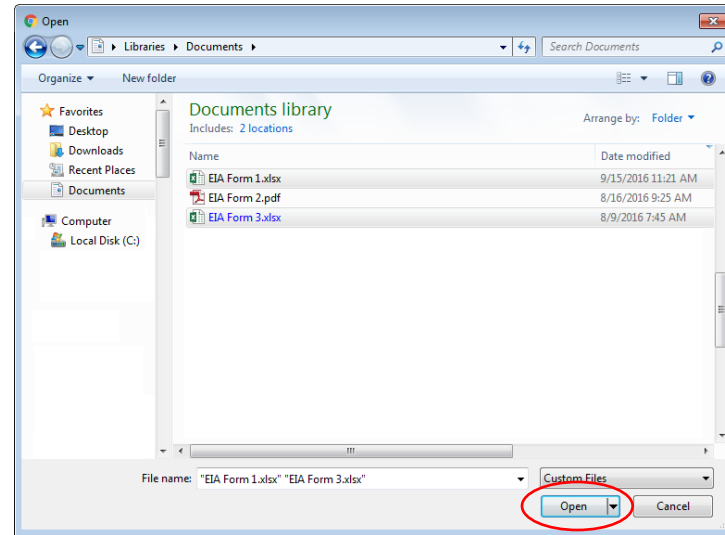
Please be patient; it may take a minute or two to upload your file. Do not close your browser during the upload. Wait to see the confirmation page.

## File(s) to Be Transferred

Select the file(s) from your system below. Currently only Excel Workbook (.xlsx), Excel 97-2003 Workbook (.xls), Dat (.dat), Portable Document Format (.pdf) files are allowed.

### \* File(s)

**Choose Files** No file chosen



Submit File(s)

# How to Use Secure File Transfer

## Transfer submission confirmation

A confirmation page will be displayed that will tell you the names of the files you have transferred, the confirmation number for each file, and the date and time of the transfer.

## Submission successful!

The following files have been transferred to EIA:

- |    |                 |                             |
|----|-----------------|-----------------------------|
| 1. | EIA Form 1.xlsx | <b>Confirmation #: 1234</b> |
| 2. | EIA Form 3.xlsx | <b>Confirmation #: 1235</b> |

Transfer Date: January 1, 2016 09:00:00 AM



**Important Note:** Secure File Transfer will be the only method of submission for the EIA-23L beginning with the 2022 cycle.

# For more information

Form and Instructions | <https://www.eia.gov/survey/#eia-23L>

EIA's Secure File Transfer (SFT) | <https://signon.eia.doe.gov/upload/noticeoog.jsp>

If you have further questions, please contact us at:

Phone: 1-855-EIA-4USA (1-855-342-4872)

Email: [EIA4USA@eia.gov](mailto:EIA4USA@eia.gov)

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