

FAQs for Survey Form EIA-23L

Essentials

What is the Form EIA-23L?

The U.S. Energy Information (EIA) Form EIA-23L *Annual Report of Domestic Oil and Gas Reserves* is part of an annual study of crude oil and natural gas reserves and production in the United States.

Is reporting data on Form EIA-23L mandatory?

For those companies identified as respondents, yes, reporting is mandatory based on Title 15 U.S.C. §772(b), as amended.

How does EIA identify companies that must respond to Form EIA-23L?

Companies are selected based on a combination of factors, including production volume, type, and location. Therefore, companies with lower production volume sometimes are selected based on their location or the type of fuel they produce.

What will the information collected be used for?

EIA uses the collected data to develop national and state estimates of reserves, which are published in the annual report *U.S. Crude Oil and Natural Gas Proved Reserves*. The report informs policymakers, industry, and the general public about U.S. reserves and facilitates national energy policy decisions.

Form Questions

Are there any changes this year?

No. Form EIA-23L was redesigned for the 2022 Reporting Year; however, no changes have been made for Reporting Year 2023.

For reference, a recap of the 2022 changes are as follows:

A new spreadsheet version of Form EIA-23L has replaced the PDF version of Form EIA-23L and its E-file software - the Reserves Information Gathering System (RIGS). Respondents will no longer need to download or install the RIGS software. It has been discontinued.

Total Reserves and Production data will no longer be collected at the county level. Data will now be collected at the state/state-subdivision/area level in tabular format. Reporting of reserves by fuel type has been reduced from four (4) fuel types down to two (2) fuel types. The four types (crude oil, associated-dissolved natural gas, nonassociated natural gas, and lease condensate) have been replaced with crude oil plus lease condensate, and total natural gas.

Reporting of reserves by reservoir type has been changed from three reservoir type codes (C—conventional, LP—low permeability, and SH—shale) within Schedule A to two separate report parts: Parts 4 and 5. Parts 4 and 5 replace Schedule A of Form EIA-23L.

Part 4 is for reporting the combined total of all reserves (conventional, low permeability and shale combined). Part 5 is for reporting reserves specifically from identified major shale plays.

The term **Divestitures** is used to describe to the transfer or sale of proved reserves from a respondent to another operator during the report year. In previous years, EIA had used the term Sales for this volume.


The term **Acquisitions** will continue to be used to describe the purchase or transfer of proved reserves from another operator to a respondent during the report year.

What are the most common mistakes made on Form EIA-23L and how can I avoid them?

Unit errors—The correct volumetric units to use on the form are thousand barrels (MBbls) for oil and lease condensate data and million cubic feet (MMCF) for natural gas data.

- 1,000 barrels oil = 1 MBbls
- 1,000,000 cubic feet natural gas = 1 MMCF

Divestitures—Divestitures (column C on the form) is for recording the sale or transfer of reserves volumes to another operator during the Report Year. Report Divestitures as a positive number, even though they represent a deduction to your company's total of proved reserves.

 <small>Energy Information Administration</small>		<small>U.S. DEPARTMENT OF ENERGY ENERGY INFORMATION ADMINISTRATION Washington, DC 20585</small>										<small>OMB No. 1905-0047 Expiration Date: 02/29/2026 Product No. 2023.1 Burden: 27 hours</small>	
<small>REPORT YEAR 2022</small>		<small>FORM EIA-23L ANNUAL REPORT OF DOMESTIC OIL AND GAS RESERVES PART 4: TOTAL RESERVES AND PRODUCTION BY STATE</small>										<small>REPORT YEAR 2022</small>	
<small>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 of the properties 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 Subtotals rows are auto-calculated; please do not enter any values in them. Warnings/Errors are color coded. Look for error messages along the right edge of the form. Orange (+) Warning: Exceeds expected range; Red (+) Error: Negative value. See the Form EIA-23L instructions for more details.</small>													
PART 4: TOTAL RESERVES AND PRODUCTION BY STATE													
		Total Crude Oil and Lease Condensate, MBbls					Total Natural Gas, MMCF					Comments	
	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	
State, Sub-Division, Area	B	C	D	E	F	G	H	I	J	K	L	M	N
Alaska													
Alabama													
Arkansas													
California Coastal Region Onshore													
California Los Angeles Basin Onshore													
California San Joaquin Basin Onshore													
California State Offshore													
CALIFORNIA Subtotal (auto-calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado													
Kansas													
<small>Comments requested for Divestitures, Acquisitions, atypical values Reference column values by column letter Use as much space as needed Example: C: Sold 123 to ABC on 6/2022; K: Purchased 887 from XYZ on 9/2022</small>													

What is the correct number format?

All numbers on the form are positive. If reserves decrease due to production, sales, or revisions, record the amounts as positive numbers in the appropriate columns. There should be no negative numbers on your form.

Do not include decimals on the form; round to the nearest whole number. If the nearest whole number is less than 500 barrels of liquids or 500,000 cubic feet of natural gas, record a zero or leave the item blank.

Why include comments in Form EIA-23L Column O?

The Comments Section on Parts 4 and 5 replace the need for attaching a Schedule B of Footnotes to Form EIA- 23L. By including state and state/subdivision specific comments, you reduce the need for follow-up inquiries.

Please include comments when reporting:

- Revision increases/decreases greater than 2,500 MBbls of liquids or 15,000 MMCF of natural gas
- Sales and acquisitions—include the seller/buyer company and the date of the operator change
- Significant discoveries and extensions

What are proved reserves?

Proved reserves are the volume of liquids and natural gas recoverable from known reservoirs under existing operating and economic conditions. Reserves volumes are estimates, not precise measurements.

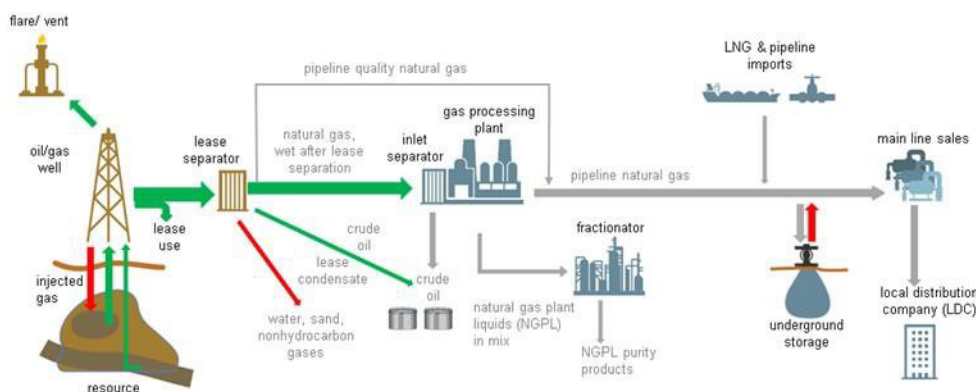
What should be included in natural gas production?

Production, Natural Gas: The volume of natural gas withdrawn from reservoirs during the survey year less:

- the volume returned to such reservoirs in cycling, repressuring of oil reservoirs and conservation operations
- the shrinkage resulting from the removal of lease condensate
- non-hydrocarbon gases where they occur in sufficient quantity to render the gas unmarketable.

Lease use and flared and vented gas are considered production and should be included in the volumes reported. Volumes of gas withdrawn from gas storage reservoirs and native gas, which has been transferred to the storage category, are not considered production.

What counts as Production when filling out Form EIA-23L?



Type of Natural Gas	Report in EIA-23L Production?	Effect on EIA-23L Proved Reserves
Hydrocarbons produced from wells, reported on 86ths or Total Operated Basis	Yes	Included in Starting Reserves; Deducted from Ending Reserves
Gas Vented and Flared	Yes	Included in Starting Reserves; Deducted from Ending Reserves
Lease Use	Yes	Included in Starting Reserves; Deducted from Ending Reserves
Injected gas (cycling, repressuring of oil reservoirs and conservation operations)	No	Included in Starting and Ending Reserves
Gas produced from Storage	No	Gas volumes in storage are not included in Proved Reserves
Gas with high percentage of Non-hydrocarbons (Non-Marketable)	No	Include Gas, Exclude Non-hydrocarbons in Proved Reserves
Non-hydrocarbon gases (Carbon Dioxide, Helium, Hydrogen Sulfide, Nitrogen)	No	Not included in Proved Reserves

What is the difference between associated-dissolved gas and nonassociated gas?

Associated-dissolved gas is natural gas that is within crude oil reservoirs. It can be either free (associated gas) or mixed with the oil (dissolved gas). In most cases when a field contains both oil and natural gas, the gas is associated-dissolved gas.

Nonassociated gas is natural gas from reservoirs without significant volumes of crude oil. If a field contains natural gas and no oil, it is nonassociated gas.

On the 2023 Form EIA-23L, there is no need to differentiate between associated-dissolved and nonassociated natural gas production and proved reserves. Report the total of all natural gas production and proved reserves on Part 4, Columns I through N on Form EIA-23L.

What is lease condensate?

Sometimes liquid hydrocarbons are produced along with natural gas. The liquid is separated from the gas either in the field or downstream at gas processing plants. Lease condensate is the liquid separated in the field. It should not be mistaken for natural gas plant liquids, which are recovered later at processing plants. On Form EIA-23L, lease condensate volumes for 2023 should be combined with your crude oil volumes on Parts 4 and 5.

How should acquisitions and divestitures be handled?

Divestitures: If your company sold or transferred operations of assets during the report year to another operator, you are no longer the operator of these properties. **Do not report production nor reserves for these properties.** Indicate that one or more properties were sold in Item 7 on Part 1 of Form EIA-23L.

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
☒ Yes, one or more properties 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 properties are located, and final sale/ merger/transfer date(s), proceed to Question 8

Example: Properties in CO, NM, UT sold/merged/transferred to XYZ Oil & Gas Inc. in March 2022

Properties in TX8 and NME sold to Permian Placeholder Production in April 2022

Then indicate the volume in thousands of barrels of proved reserves of crude oil and lease condensate sold or transferred on Part 4, column C; indicate the volume in millions of cubic feet of proved reserves of natural gas sold or transferred on Part 4, column J.

 U.S. Energy Information Administration	U.S. DEPARTMENT OF ENERGY ENERGY INFORMATION ADMINISTRATION Washington, DC 20585	OMB No. 1805-0047 Expiration Date: 02/28/2026 Product No.: 2023.1 Burden: 31 hours												
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PART 4: TOTAL RESERVES AND PRODUCTION BY STATE														
State, Sub-Division, Area	Total Crude Oil and Lease Condensate, MBbls						Total Natural Gas, MMCF						Comments Comments requested for Divestitures, Acquisitions, atypical values Reference column values by column letter Use as much space as needed Example: C: Sold 123 to ABC on 6/2022; K: Purchased 567 from XYZ on 6/2022	
	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		
Nebraska														
New Mexico East			50					250						C: Sold to Permian Placeholder Production Co in April 2022 J: same sale as C
New Mexico West														
NEW MEXICO Subtotal (auto-calculated)	0	50	0	0	0	0	0	250	0	0	0	0	0	
New York														
North Dakota														
Ohio														
Oklahoma														
Pennsylvania														
South Dakota														
Texas RRC District 1														
Texas RRC District 2 Onshore														
Texas RRC District 3 Onshore														
Texas RRC District 4 Onshore														
Texas RRC District 5														
Texas RRC District 6														
Texas RRC District 7B														
Texas RRC District 7C														
Texas RRC District 8			400											C: Sold to Permian Placeholder Production Co in April 2022 J: same sale as C
Texas RRC District 8A								2,000						
Texas RRC District 9														
Texas RRC District 10														
Texas State Offshore														
TEXAS Subtotal (auto-calculated)	0	400	0	0	0	0	0	2,000	0	0	0	0	0	

Acquisitions: If your company bought reserves assets during the year from another operator, then you became the new operator during 2023. **Reserves and production for the acquired properties should be reported for the entire year.** Indicate you made a purchase in Item 8 on Part 1 of Form EIA-23L.

8. During report year 2022, did your Company **acquire** any oil and gas operating companies or any properties from other companies? *Select all that apply.*

- ☐ No → Proceed to Question 9
☐ Yes, the Company(ies) listed in the box below were acquired
☒ Yes, one or more properties were acquired from Companies listed below

Below, enter company name(s) your Company acquired or acquired properties from, state(s) where the acquired Company or properties are located, and final sale/ merger/transfer date(s), proceed to Question 9

Example: Properties in CO, NM, & UT acquired from ABC Oil & Gas Inc. in March 2022

2 properties (6 wells) acquired from Utica Club LLC in OH in 10/2022

Then indicate the volume in thousands of barrels of proved reserves of crude oil and lease condensate acquired on Part 4, column D; indicate the volume in millions of cubic feet of proved reserves of natural gas acquired on Part 4, column K. Include the acquired reserves and production within your totals in columns B, F, and G.

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Total Crude Oil and Lease Condensate, MBbls							PART 4: TOTAL RESERVES AND PRODUCTION BY STATE Total Natural Gas, MMcf						Comments Comments requested for Divestitures, Acquisitions, atypical values Reference column values by column letter Use as much space as needed Example: C: Sold 123 to ABC on 6/2022; K: Purchased 567 from XYZ on 9/2022	
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			
B	C	D	E	F	G	I	J	K	L	M	N			
State, Sub-Division, Area A	B	C	D	E	F	G	I	J	K	L	M	N	O	
Kansas														
Kentucky														
Louisiana North														
Louisiana South Onshore														
Louisiana State Offshore														
LOUISIANA Subtotal (auto-calculated)	0	0	0	0	0	0	0	0	0	0	0	0		
Michigan														
Mississippi														
Montana														
Nebraska														
New Mexico East														
New Mexico West														
NEW MEXICO Subtotal (auto-calculated)	0	0	0	0	0	0	0	0	0	0	0	0		
New York														
North Dakota														
Ohio							100		500	500	600	300	K: 2 wells, 4 PUD locations purchased from Utica Club LLC in October; L: New Utica shale well completed in May.	
Oklahoma														
Pennsylvania														

NOTE: Since the example acquisition above comes from a Shale Play (the Utica Shale Play in Ohio), these volumes must also be reported on Part 5 of Form EIA-23L.

If my company sold reserves assets during the year do they need to be included on the form?

No, see the question above for how to correctly report sales and acquisitions.

What are proved nonproducing reserves?

Proved nonproducing reserves are reserves that meet the definition of proved but no volume of oil or gas was produced to surface during the Report Year. They include Proved Developed Nonproducing Reserves (Behind Pipe) and Proved Undeveloped Reserves (PUDs). If a well produced oil or gas at any time during 2023, even if it is temporarily shut-in on December 31, 2023, its reserves should be considered proved developed producing reserves. Reserves estimated from offset locations from an existing producing well that are drilled but uncompleted, and any undrilled locations that would be drilled and completed within a 5-year period, are considered proved nonproducing reserves.

On Form EIA-23L, proved nonproducing reserves of crude oil and lease condensate should be reported in column G. Proved nonproducing reserves of natural gas should be reported in column N.

Submission

What is the reporting deadline?

Form EIA-23L is due December 6, 2024.

How do I submit the form?

Use EIA Secure File Transfer. The process to submit forms is described in the form instructions.

What time period should the data represent?

The annual report period begins on January 1st and ends on December 31st of the previous year.

Who do I contact if I need assistance submitting the form?

Call the EIA Survey Support Team at 1-855-EIA-4USA (1-855-342-4872) or email to eia4usa@eia.gov.

Resubmission

Am I required to submit revised data?

EIA reserves the right to request resubmissions as part of the data quality review process.

How do I correct data after I have already submitted the form?

If your company's data changes by more than five percent from already reported data, please resubmit the form as soon as possible. Guidelines for resubmissions are:

- Check the box on page 1 of the form indicating a resubmission
- Resubmit the entire form, not just the parts with changes
- Include a Comment explaining the changes

Contact EIA

Who do I contact if I have technical questions on completing the form?

Call the EIA Survey Support Team at 1-855-EIA-4USA (1-855-342-4872) or email to eia4usa@eia.gov.

I have questions about the form. How do I request help?

If you have any questions about this U.S. Energy Information Administration (EIA) survey after reading the instructions, please contact the EIA Survey Support Team Contact Center at 1-855-EIA-4USA (1-855-342-4872) or send an email to eia4usa@eia.gov.