

## Part 1 Instructions

### Oil and Gas Information Collection Request

OMB Control No. 2060-0705 (Approval Expires 11/30/2019)

#### Instructions

This information collection request is designed to be completed by operators of onshore petroleum and natural gas production facilities based on best available information; that is, information that is readily available. All information for each applicable surface site must be completed. Online mapping applications may be used to determine latitude/longitude coordinates for your surface sites.

**Step 1.** Please complete the parent company information requested under Section 1. This information should be for the highest-level, majority corporate owner.

**Step 2.** Please complete the operator information requested under Section 2. This information should be field operator sites managing one or more well sites. You should complete a separate worksheet for each separate field operator site.

**Step 3.** Please complete the information for each centralized production surface site (see definitions) requested under Section 3 for all centralized production surface sites managed by the operator that receive production fluids from a well surface site that must be listed in Section 4. You must include information for centralized production surface sites that may also be part of a well site facility required to complete Part 2. There is a place to indicate that a centralized production surface site is also included in Part 2. Duplicate copies of Section 3 (located on Page 7 of this document) should be made to accommodate companies that own/operate more than one centralized production surface site.

**Step 4.** Please complete the information requested for each well surface site (see definition) under Section 4 for all well surface sites managed by the operator that have at least one well that is capable of producing crude oil or natural gas (i.e., an actively producing well or temporarily shut-in production well), including well surface sites that are part of a well site facility required to complete Part 2. You are not required to complete Section 4 for well surface sites that only contain injection wells or plugged (abandoned) wells. Duplicate copies of Section 4 (located on Page 8 of this document) should be made to accommodate companies that own/operate more than one well surface site.

Please note that a well surface site generally refers to an individually permitted disturbed area of land associated with one or more wells and the equipment within that disturbed area of land. If multiple well surface sites and the associated production area all operate under a single permit, you may complete Section 4 considering the permitted facility to be a single well surface site.

**Step 5.** Please complete and sign the acknowledgement in the Acknow sheet and submit the completed form either electronically at:

<https://oilandgasicr.rti.org/>

or via hard copy to:

Attn: Ms. Brenda Shine  
U.S. Environmental Protection Agency  
109 T.W. Alexander Drive, Mail Code: E143-01  
Research Triangle Park, NC 27709

## Part 1 Questionnaire Definitions Sheet

### Part 1. Production Operator Survey Definitions

Term	Definition
Atmospheric storage tank	A class of storage tanks that store materials at approximately atmospheric pressure. Atmospheric storage tanks may store liquids at ambient temperatures or at elevated temperatures (e.g., heated demulsification tank).
Barrel	A common unit of measurement for the volume of crude oil produced or processed. The volume of a barrel is equivalent to 42 US gallons.
Barrel of oil equivalent (BOE)	A unit of energy equal to 5.8-million British thermal units (5.8 MMBtu) based on the approximate energy released by burning one barrel of crude oil. For the purposes of this information collection request, you may use 1 BOE = 1 barrel of crude oil produced and 1 BOE = 5,800 scf of natural gas produced rather than using a direct energy conversion.
Basin	Geologic provinces as defined by the American Association of Petroleum Geologists (AAPG) Geologic Note: AAPG-CSD Geologic Provinces Code Map: AAPG Bulletin, Prepared by Richard F. Meyer, Laure G. Wallace, and Fred J. Wagner, Jr., Volume 75, Number 10 (October 1991) (incorporated by reference, see §98.7) and the Alaska Geological Province Boundary Map, Compiled by the American Association of Petroleum Geologists Committee on Statistics of Drilling in Cooperation with the USGS, 1978.
Centralized production surface site	Any onshore surface site that obtains crude oil or a mixture of crude oil and natural gas directly from multiple well surface sites without a custody transfer, and includes all equipment used in the transportation, compression, stabilization, separation, storing or treating of crude oil and/or natural gas (including condensate) located at the surface site under the control of the same person (or persons under common control).
Centrifugal compressor	Any machine for raising the pressure of a gaseous stream by drawing in low pressure gas and discharging significantly higher pressure gas by means of mechanical rotating vanes or impellers. Screw, sliding vane, and liquid ring compressors are not centrifugal compressors for the purposes of this information collection request.
Coal bed methane	Natural gas, predominantly methane, generated during coal formation and adsorbed in coal.
Compressor	Any machine for raising the pressure of a gaseous stream by drawing in low pressure gas and discharging significantly higher pressure gas.
Condensate	Hydrocarbon liquid separated from natural gas that condenses due to changes in the temperature, pressure, or both, and remains liquid at standard conditions.
Crude oil	A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include small amounts of non-hydrocarbons produced from oil, such as sulfur and various metals, drip gases, and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.
Dry gas well	For the purposes of this ICR, a well that produces natural gas, other than coal bed methane, with a GOR greater than 1,000,000 scf/bbl.

## Part 1 Questionnaire Definitions Sheet

Term	Definition
Equipment	The set of articles or physical resources used in an operation or activity.
Field operator site	A centralized office or company that serves as the overall manager of the operations of one or more wells sites.
Flowback	The process of allowing fluids and entrained solids to flow from a well following a treatment, either in preparation for a subsequent phase of treatment or in preparation for cleanup and returning the well to production. The term flowback also means the fluids and entrained solids that emerge from a well during the flowback process. The flowback period begins when material introduced into the well during the treatment returns to the surface following hydraulic fracturing or refracturing. The flowback period ends when either the well is shut in and permanently disconnected from the flowback equipment or at the startup of production. The flowback period includes the initial flowback stage and the separation flowback stage.
Gas-to-oil-ratio (GOR)	The ratio of the volume of natural gas that is produced or that comes out of solution when crude oil is extracted from a well and equilibrated to standard conditions to the volume of hydrocarbon liquids (crude oil and condensate) produced after the natural gas comes out of solution. This is often calculated by dividing the measured natural gas production by the measured crude oil and condensate production.
Heavy oil well	For the purposes of this ICR, a well that produces crude oil with a GOR of 300 scf/bbl or less.
Hydraulic fracturing	The process of directing pressurized fluids containing any combination of water or other base fluid, proppant, and any added chemicals to penetrate a formation, generally to stimulate production, that subsequently require flowback to expel fracture fluids and solids during completions.
Hydraulic refracturing	Conducting a subsequent hydraulic fracturing operation at a well that has previously undergone a hydraulic fracturing operation.
Light oil well	For the purposes of this ICR, a well that produces crude oil with a GOR greater than 300 scf/bbl but less than or equal to 100,000 scf/bbl.
NAICS code	The numerical code of up to 6 digits used by the North American Industry Classification System (NAICS) for classifying business establishments by industry sector.
Natural gas	A naturally occurring mixture or process derivative of hydrocarbon and non-hydrocarbon gases found in geologic formations beneath the earth's surface, of which its constituents include, but are not limited to methane, heavier hydrocarbons and carbon dioxide. Natural gas may be field quality, pipeline quality, or process gas.
Nonstripper well	A well that produces more than 15 barrels of oil equivalent (BOE) per day on average over a 12-month period.
Onshore	All facilities except those that are located in the territorial seas or on the outer continental shelf.
Onshore petroleum and natural gas production	The oil and gas industry segment responsible for the extraction and production of crude oil, condensate, and/or natural gas and generally operate under NAICS code 211111 or 211112.
Owner or operator	Any person who owns, leases, operates, controls, or supervises an affected facility or a stationary source of which an affected facility is a part.

## Part 1 Questionnaire Definitions Sheet

Term	Definition
Plugged well	A well that has been sealed, typically by filling a portion of the well bore with cement, in order to permanently abandon the well following State, local or other regulatory body requirements for plugging and abandoning the well.
Producing well	A well for which crude oil or natural gas are actively flowing from a subsurface reservoir and through the wellhead valve.
Reciprocating compressor	A piece of equipment that increases the pressure of a gaseous stream by positive displacement, employing linear movement of the driveshaft.
Separator	A process vessel specifically designed to separate gaseous fluids from one or more liquid fluids produced from a well or as received via a pipeline. Generally, separators are operated at pressures greater than ambient air pressure.
Small business	<p>A business entity (including its subsidiaries and affiliates) that has number of employees or average annual receipts below NAICS code-specific size standards established by the Small Business Administration. Size standards relevant to this ICR are listed below. For a complete listing of small business size standards, see <a href="https://www.sba.gov/sites/default/files/files/Size_Standards_Table.pdf">https://www.sba.gov/sites/default/files/files/Size_Standards_Table.pdf</a></p> <p style="text-align: center;">NAICS Code 211111 - Crude Petroleum and Natural Gas Extraction: 1,250 employees</p> <p style="text-align: center;">NAICS Code 211112 - Natural Gas Liquid Extraction: 750 employees</p> <p style="text-align: center;">NAICS Code 213111 - Drilling Oil and Gas Wells: 1,000 employees</p> <p style="text-align: center;">NAICS Code 213112 - Natural Gas Liquid Extraction: \$38.5-million annual receipts</p> <p style="text-align: center;">NAICS Code 486110 - Pipeline Transportation of Crude Oil: 1,500 employees</p> <p style="text-align: center;">NAICS Code 486210 - Pipeline Transportation of Natural Gas: \$27.5-million annual receipts</p>
Standard conditions	A temperature of 293°K (68°F) and a pressure of 1 atmosphere (101.3 kilopascals or 29.92 inches Hg). For the purposes, of this ICR questionnaire, standard conditions may include any "standard" temperature between 288°K and 298°K and pressure between 1 bar (100 kilopascals) and 1 atmosphere.
Storage tank or vessel	A tank or other vessel that contains an accumulation of crude oil, condensate, intermediate hydrocarbon liquids, or produced water, and that is constructed primarily of nonearthen materials (such as wood, concrete, steel, fiberglass, or plastic) which provide structural support. For the purposes of this ICR, pressure vessels (vessels designed to operate at pressures of 30 psig or higher) are not considered storage tanks.
Stripper well	A well that produces 15 barrels of oil equivalent (BOE) or less per day on average over a 12-month period.
Surface site	Any combination of one or more graded pad sites, gravel pad sites, foundations, platforms, or the immediate physical location upon which equipment is physically affixed.

## Part 1 Questionnaire Definitions Sheet

Term	Definition
US Well ID (or API Well ID)	The uniquely assigned number for a well on the property (formerly known as the API Well ID).
Well	A hole drilled for the purpose of producing crude oil or natural gas, or a well into which fluids are injected.
Well site facility	A well surface site and, if applicable, all equipment at the centralized production surface site collecting crude oil, condensate, intermediate hydrocarbon liquids, or produced water from wells at the well surface site that are under the control of the same person (or persons under common control) of the well surface site operator but that not are located at the well surface site (e.g., centralized tank batteries) and the gathering pipelines and equipment used to convey the fluids from the well surface site to the centralized production surface site.
Well surface site	One or more surface sites that are constructed for the drilling and subsequent operation of any oil well, natural gas well, or injection well. For purposes of this ICR, well surface site refers only to the well(s) and equipment at the disturbed area of land associated with the well(s) that are under the control of the same person (or persons under common control). The well surface site area does not include equipment at a centralized production surface site not located at the well surface site or equipment that is part of a gathering and boosting pipeline facility that may be co-located on the surface site but that is not under the control of the operator of the well(s).
Wet gas well	For the purposes of this ICR, a well that produces natural gas, other than coal bed methane, with a GOR greater than 100,000 scf/bbl but less than or equal to 1,000,000 scf/bbl.

# Part 1 Questionnaire

## Part 1. Production Operator Survey

### 1.) Parent Company General Information

Legal Name:	
Does this company meet the definition of "small business"? (Yes/No; see definitions)	
Dun and Bradstreet Number:	
Mailing Address:	
Mailing City:	
Mailing State:	
Mailing Zip:	
Contact Name:	
Contact Title:	
Contact Phone:	
Contact Phone 2:	
Contact Email:	
Contact Email 2:	

### 2.) Operator General Office Information

Operator ICR ID:	
Operator Name:	
Physical Address:	
Physical City:	
Physical County:	
Physical State:	
Physical Zip:	
Mailing Address:	
Mailing City:	
Mailing State:	
Mailing Zip:	
Contact Name:	
Contact Title:	
Contact Phone:	
Contact Phone 2:	
Contact Email:	
Contact Email 2:	

## Part 1 Questionnaire

**3.) For each centralized production surface site (see definitions) under the control of the operator, receiving crude oil, condensate or natural gas direct from a well surface site, provide the following information. Before completing, make sufficient copies of this page to complete one for each centralized production surface site. You do not need to complete this sheet if you do not own or operate and centralized production surface sites.**

*Provide an ID, description and general information about each centralized production surface site:*

Unique Surface Site ID (Permit or other unique ID, as applicable)	
Surface Site Name/Description	
Basin ID where Surface Site is Located <sup>1</sup>	
County and State where Surface Site is Located	
Latitude of surface site (degrees decimal)	
Longitude of surface site (degrees decimal)	
Is this surface site subject to the fugitive emission requirements in 40 CFR 60.5397a of subpart OOOOa? (Yes/No)	
Does this surface site produce natural gas for sales? (Yes/No)	
Does this surface site produce crude oil or condensate for sales? (Yes/No)	
Is there a flare or thermal combustor present at the surface site? (Yes/No)	

1. Basin ID List provided in Appendix A.

*Provide equipment counts for the major equipment listed below present at the centralized production surface site:*

Number of Separators	
Number of Atmospheric Storage Tanks <10 bbl/day	
Number of Atmospheric Storage Tanks ≥10 bbl/day	
Number of Dehydrators	
Number of Reciprocating Compressors	
Number of Dry Seal Centrifugal Compressors	
Number of Wet Seal Centrifugal Compressors	
Is this centralized production surface site also part of a well site facility that is required to complete Part 2? (Yes/No)	

## Part 1 Questionnaire

**4.) For each well surface site (see definitions) under the control of the operator, provide the following information. Before completing, make sufficient copies of this page to complete one for each well surface site.**

*Provide an ID, description and general information about each well surface site:*

Unique Surface Site ID (Permit or other unique ID number, as applicable)	
Surface Site Name/Description	
Basin ID where Surface Site is Located <sup>1</sup>	
County and State where Surface Site is Located	
Latitude of surface site (degrees decimal)	
Longitude of surface site (degrees decimal)	
Is this surface site subject to the fugitive emission requirements in 40 CFR 60.5397a of subpart OOOOa? (Yes/No)	
Does this surface site produce natural gas for sales? (Y/N)	
Does this surface site produce crude oil or condensate for sales? (Y/N)	
Is there a flare or thermal combustor present at the surface site? (Y/N)	

1. Basin ID List provided in Appendix A.

*Provide equipment counts for the major equipment listed below present at the well surface site:*

Number of Separators	
Number of Atmospheric Storage Tanks <10 bbl/day	
Number of Atmospheric Storage Tanks ≥10 bbl/day	
Number of Dehydrators	
Number of Reciprocating Compressors	
Number of Dry Seal Centrifugal Compressors	
Number of Wet Seal Centrifugal Compressors	

*Provide the US Well ID Number (aka API Well ID) (or other well ID number as provided to State or local permitting agency) for each well present at the surface site (include producing wells, temporarily shut-in, permanently plugged wells, storage wells, and injection wells); specify the well type (as of November 1, 2016) and other information requested for each well present at the surface site:*

	Well ID	Well Type <sup>2</sup>	"Surface Site ID" of the centralized production surface site associated with well (Enter "Not applicable" if none)
1			
2			
3			
4			
5			
6			
7			
8			

2. Well Type options provided in Appendix B.

## Part 1 Questionnaire Acknowledgement Sheet

### Oil and Gas Information Collection Request

#### Part 1. Production Operator Survey Acknowledgement

I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete.

I am authorized to make this submission on behalf of the owners and operators of the facility or facilities, as applicable, for which the submission is made.

---

Print Name

---

Signature

---

Date

## Part 1 Questionnaire Appendix A

### Oil and Gas Information Collection Request

#### Part 1. Production Operator Survey Picklists for Basins

##### 1. US Basin (with ID) List

100 - New England Province	405 - Kerr Basin	610 - Idaho Mountains Province
110 - Adirondack Uplift	410 - Llano Uplift	615 - Snake River Basin
120 - Atlantic Coast Basin	415 - Strawn Basin	620 - Southern Oregon Basin
130 - S.GA Sedimentary Prov	420 - Fort Worth Syncline	625 - Great Basin Province
140 - Florida Platform	425 - Bend Arch	630 - Overthrust&Wasatch Uplift
150 - Piedmont-Blue Ridge Prov	430 - Permian Basin	635 - Plateau Sedimentary Prov
160 - Appalachian Basin	435 - Palo Duro Basin	640 - Mojave Basin
160A - Appalachian Basin (Eastern Overthrust Area)	445 - Sierra Grande Uplift	645 - Salton Basin
200 - Black Warrior Basin	450 - Las Animas Arch	650 - Sierra Nevada Province
210 - Mid-Gulf Coast Basin	455 - Las Vegas-Raton Basin	700 - Bellingham Basin
220 - Gulf Coast Basin (LA, TX)	460 - Estancia Basin	705 - Puget Sound Province
230 - Arkla Basin	465 - Orogrande Basin	710 - Western Columbia Basin
240 - Desha Basin	470 - Pedregosa Basin	715 - Klamath Mountains Province
250 - Upper Mississippi Embayment	475 - Basin-And-Range Province	720 - Eel River Basin
260 - East Texas Basin	500 - Sweetgrass Arch	725 - Northern Coast Range Prov
300 - Cincinnati Arch	503 - North Western Overthrust	730 - Sacramento Basin
305 - Michigan Basin	505 - Montana Folded Belt	735 - Santa Cruz Basin
310 - Wisconsin Arch	507 - Central Western Overthrust	740 - Coastal Basins
315 - Illinois Basin	509 - South Western Overthrust	745 - San Joaquin Basin
320 - Sioux Uplift	510 - Central Montana Uplift	750 - Santa Maria Basin
325 - Iowa Shelf	515 - Powder River Basin	755 - Ventura Basin
330 - Lincoln Anticline	520 - Big Horn Basin	760 - Los Angeles Basin
335 - Forest City Basin	525 - Yellowstone Province	765 - Capistrano Basin
340 - Ozark Uplift	530 - Wind River Basin	800 - Southeastern Alaska Provinces
345 - Arkoma Basin	535 - Green River Basin	810 - Gulf of Alaska Basin
350 - South Oklahoma Folded Belt	540 - Denver Basin	815 - Copper River Basin
355 - Chautauqua Platform	545 - North Park Basin	820 - AK Cook Inlet Basin
360 - Anadarko Basin	550 - South Park Basin	825 - Alaska Peninsula Province
365 - Cherokee Basin	555 - Eagle Basin	830 - Yukon-Porcupine Province
370 - Nemaha Anticline	560 - San Luis Basin	840 - Yukon-Koyukuk Province
375 - Sedgwick Basin	565 - San Juan Mountains Prov	845 - Bristol Bay Basin
380 - Salina Basin	575 - Uinta Basin	860 - Selawik Lowland Basins
385 - Central Kansas Uplift	580 - San Juan Basin	880 - Interior Lowlands Basin
390 - Chadron Arch	585 - Paradox Basin	884 - Brooks Range Province
395 - Williston Basin	590 - Black Mesa Basin	885 - Southern Foothills Province
400 - Ouachita Folded Belt	595 - Piceance Basin	
	600 - N. Cascades-Okanagan Prov	
	605 - Eastern Columbia Basin	

## Part 1 Questionnaire Appendix B

### Oil and Gas Information Collection Request

#### Part 1. Production Operator Survey Picklists for Well Types

##### 2. Well Type Options

1. Producing heavy oil stripper well
2. Producing light oil stripper well
3. Producing wet gas stripper well
4. Producing dry gas stripper well
5. Producing coal bed methane stripper well
6. Producing heavy oil nonstripper well
7. Producing light oil nonstripper well
8. Producing wet gas nonstripper well
9. Producing dry gas nonstripper well
10. Producing coal bed methane nonstripper well
11. Temporarily shut-in heavy oil stripper well
12. Temporarily shut-in light oil stripper well
13. Temporarily shut-in wet gas stripper well
14. Temporarily shut-in dry gas stripper well
15. Temporarily shut-in CBM stripper well
16. Temporarily shut-in heavy oil nonstripper well
17. Temporarily shut-in light oil nonstripper well
18. Temporarily shut-in wet gas nonstripper well
19. Temporarily shut-in dry gas nonstripper well
20. Temporarily shut-in CBM nonstripper well
21. Permanently plugged/abandoned production or storage well
22. Natural gas storage well
23. Active injection well
24. Inactive/abandoned injection well