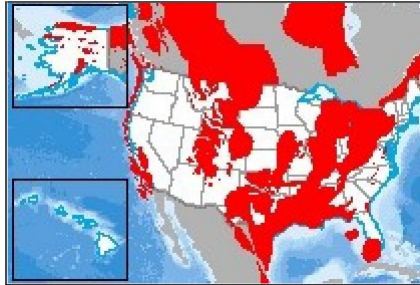


Oil and Natural Gas Fields (HIFLD)



Tags

There are no tags for this item.

Summary

This feature class/shapefile contains Oil and Natural Gas Fields for the Homeland Infrastructure Foundation-Level (HIFLD) Database (<https://hifld-dhsgii.gov/HIFLD>) as well as the Energy modeling and simulation community.

The feature class/shapefile represents Oil and Natural Gas Fields. Generally, Oil and Natural Gas "Fields" are defined as "a low in the Earth's crust of tectonic origin in which sediments have accumulated." This definition was originally defined by the Bureau of Land Management (BLM). Within the larger area of the basins this feature class also contains smaller geographic "plays" which are defined as "A set of known or postulated oil and gas accumulations sharing similar geologic, geographic, and temporal properties, such as source rock, migration, pathway, timing, trapping mechanism, and hydrocarbon type. A play differs from a basin; a basin can include one or more plays." This definition was originally defined by the United States Geologic Survey (USGS) and was appropriated for use in the creation of this feature class. The geographic coverage of this layer is the Continental United States, Canada, and Mexico.

Description

There is no description for this item.

Credits

Homeland Infrastructure Foundation-Level Data (HIFLD)

Use limitations

There are no access and use limitations for this item.

Extent

West	-166.271418	East	-47.479891
North	83.278882	South	17.399136

Scale Range

Maximum (zoomed in)	1:5,000
Minimum (zoomed out)	1:150,000,000

ArcGIS Metadata

Topics and Keywords

* **CONTENT TYPE** **Downloadable Data**

Citation

TITLE Oil and Natural Gas Fields (HIFLD)

PRESENTATION FORMATS * digital map

Resource Details

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

Homeland Infrastructure Foundation-Level Data (HIFLD)

ARCGIS ITEM PROPERTIES

* NAME oil_and_gas_fields

* SIZE 4.800

* LOCATION

ACCESS PROTOCOL Local Area Network

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -166.271418

* EAST LONGITUDE -47.479891

* NORTH LATITUDE 83.278882

* SOUTH LATITUDE 17.399136

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -18509249.606800

* EAST LONGITUDE -5285437.293700

* SOUTH LATITUDE 1967336.691500

* NORTH LATITUDE 18081839.573200

* EXTENT CONTAINS THE RESOURCE Yes

Spatial Reference

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984

* PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102100

X ORIGIN -21940362.558068998

Y ORIGIN -30241100

XY SCALE 144381166.92742443

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.001

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 3857

WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS
["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID
["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER
["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER
["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER
["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 3857
- * CODESPACE EPSG
- * VERSION 8.8(9.3.1.2)

Spatial Data Properties

VECTOR

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME oil_and_gas_fields

- * OBJECT TYPE composite
- * OBJECT COUNT 224

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME oil_and_gas_fields

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 224
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

TRANSFER OPTIONS

- * TRANSFER SIZE 4.800

Fields

DETAILS FOR OBJECT oil_and_gas_fields

- * TYPE Feature Class
- * ROW COUNT 224

FIELD OBJECTID

- * ALIAS OBJECTID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Internal feature number.

- * DESCRIPTION SOURCE
Esri

- * DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

FIELD Shape

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Coordinates defining the features.

FIELD FID_1

- * ALIAS FID_1
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD PROID

- * ALIAS Prod ID
- * DATA TYPE String
- * WIDTH 7
- * PRECISION 0
- * SCALE 0

FIELD NAME

- * ALIAS Name
- * DATA TYPE String
- * WIDTH 32
- * PRECISION 0
- * SCALE 0

FIELD TYPE

- * ALIAS Type
- * DATA TYPE String
- * WIDTH 25
- * PRECISION 0
- * SCALE 0

FIELD COUNTRY

- * ALIAS Country
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0

FIELD NAICS_CODE

- * ALIAS NAICS Code
- * DATA TYPE String
- * WIDTH 6
- * PRECISION 0
- * SCALE 0

FIELD NAICS_DESC

- * ALIAS NAICS Description
- * DATA TYPE String
- * WIDTH 42

- * PRECISION 0
- * SCALE 0

FIELD SOURCE

- * ALIAS Source
- * DATA TYPE String
- * WIDTH 125
- * PRECISION 0
- * SCALE 0

FIELD SOURCEDATE

- * ALIAS Source Date
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD VAL_METHOD

- * ALIAS Val Method
- * DATA TYPE String
- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD VAL_DATE

- * ALIAS Val Date
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD PLAY

- * ALIAS Play
- * DATA TYPE String
- * WIDTH 46
- * PRECISION 0
- * SCALE 0

FIELD COMMODITY

- * ALIAS Commodity
- * DATA TYPE String
- * WIDTH 16
- * PRECISION 0
- * SCALE 0

FIELD PR_OIL

- * ALIAS Pr Oil
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD PR_OIL_UOM

- * ALIAS Pr Oil Unit of Measure
- * DATA TYPE String
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

FIELD PR_OIL_YR

- * ALIAS Pr Oil Year
- * DATA TYPE String

- * WIDTH 13
- * PRECISION 0
- * SCALE 0

FIELD PR_GAS

- * ALIAS Pr Gas
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD PR_GAS_UOM

- * ALIAS Pr Gas Unit of Measure
- * DATA TYPE String
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

FIELD PR_GAS_YR

- * ALIAS Pr Gas Year
- * DATA TYPE String
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

FIELD REGION

- * ALIAS Region
- * DATA TYPE String
- * WIDTH 41
- * PRECISION 0
- * SCALE 0

FIELD POSREL

- * ALIAS Positional Reliability
- * DATA TYPE String
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD SHAPE_Leng

- * ALIAS SHAPE_Leng
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD Shape_Length

- * ALIAS Shape_Length
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Length of feature in internal units.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

FIELD SHAPE_Area

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Metadata Details

- * METADATA LANGUAGE English (UNITED STATES)
- * METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

* LAST UPDATE 2021-08-12

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA ItemDescription

CREATED IN ARCGIS FOR THE ITEM 2021-08-11 09:55:17
LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-08-12 07:53:14

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2021-08-12 07:53:14