

Coalbed Methane Field



Tags

Coalbed, Natural Gas, Field, Energy, Energy, Geology

Summary

This dataset was developed in order to make a map showing the location of CBM fields in the US.

Description

This dataset is field boundary polygons of Coalbed Methane (CBM) based on producing wells in the USA. Field outline polygons were created by buffering wells from each field. Buffered well polygons from each field were then unioned into a single polygon record (may contain multiple rings). A smoothing algorithm was applied to the polygons.

Credits

There are no credits for this item.

Use limitations

None. Please check sources, scale, accuracy, currentness and other available information. Please confirm that you are using the most recent copy of both data and metadata. Acknowledgement of the EIA would be appreciated.

ArcGIS Metadata

Topics and Keywords

* CONTENT TYPE Downloadable Data

Citation

* TITLE CBMfield_boundaries_2007

PRESENTATION FORMATS * digital map

Resource Details

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.4.4000

ARCGIS ITEM PROPERTIES

* NAME CBMfield_boundaries_2007

* SIZE 7.568

* LOCATION

* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

- * WEST LONGITUDE -149.761340
- * EAST LONGITUDE -77.725562
- * NORTH LATITUDE 61.599906
- * SOUTH LATITUDE 28.590281
- * EXTENT CONTAINS THE RESOURCE Yes

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

- * WEST LONGITUDE -149.761340
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- * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE -149.761340
- * EAST LONGITUDE -77.725562
- * SOUTH LATITUDE 28.590281
- * NORTH LATITUDE 61.599906
- * EXTENT CONTAINS THE RESOURCE Yes

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

None. Please check sources, scale, accuracy, currentness and other available information. Please confirm that you are using the most recent copy of both data and metadata. Acknowledgement of the EIA would be appreciated.

Spatial Reference

ARCGIS COORDINATE SYSTEM

- * TYPE Geographic
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1927

* COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4267
X ORIGIN -400
Y ORIGIN -400
XY SCALE 11258999068426.238
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 8.9830550972891565e-009
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LEFT LONGITUDE -180
WELL-KNOWN TEXT
GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID
["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0

174532925199433],AUTHORITY ["EPSG",4267]]

REFERENCE SYSTEM
IDENTIFIER
* VALUE 4267
* CODESPACE EPSG
* VERSION 7.4.1

Spatial Data Properties

VECTOR
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS
FEATURE CLASS NAME CBMfield_boundaries_2007
* OBJECT TYPE composite
* OBJECT COUNT 467

ARCGIS FEATURE CLASS PROPERTIES

* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 467
* SPATIAL INDEX FALSE
* LINEAR REFERENCING FALSE

Distribution

DISTRIBUTOR
AVAILABLE
FORMAT
* NAME Shapefile

TRANSFER
OPTIONS
* TRANSFER SIZE 7.568

ONLINE
SOURCE
* LOCATION
* ACCESS PROTOCOL Local Area Network
* DESCRIPTION Downloadable Data

DISTRIBUTION
FORMAT
* NAME Shapefile

TRANSFER OPTIONS
* TRANSFER SIZE 7.568

Fields

DETAILS FOR OBJECT CBMfield_boundaries_2007
* TYPE Feature
Class
* ROW COUNT
467

FIELD FID
* ALIAS FID
* 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 field

- * ALIAS field
- * DATA TYPE String
- * WIDTH 30
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
field name

DESCRIPTION SOURCE
EIA

FIELD state

- * ALIAS state
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
state abbreviation

DESCRIPTION SOURCE
ESRI

FIELD basin

- * ALIAS basin
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
name of coal basin

DESCRIPTION SOURCE
Tully (USGS) 1996

FIELD age

- * ALIAS age
- * DATA TYPE String
- * WIDTH 40
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Geologic Age (period-epoch)

DESCRIPTION SOURCE

geologic and gas industry literature

FIELD group

- * ALIAS group
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Coal-bearing stratigraphic unit of 2 or more formations

DESCRIPTION SOURCE

geologic and gas industry literature

FIELD formations

- * ALIAS formations
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Names of geologic formations

DESCRIPTION SOURCE

State surveys and oil/gas regulatory bodies, literature sources

FIELD coal_names

- * ALIAS coal_names
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Names of coals completed for production

DESCRIPTION SOURCE

State surveys and oil/gas regulatory bodies

LIST OF
VALUES

VALUE RVTN
DESCRIPTION RIVERTON

VALUE WR
DESCRIPTION WEIR

VALUE SUM
DESCRIPTION SUMMIT

VALUE MLK
DESCRIPTION MULKY

VALUE RWE
DESCRIPTION ROWE

VALUE DRWD
DESCRIPTION DRY WOOD

VALUE BEV
DESCRIPTION BEVIER

VALUE CRBG
DESCRIPTION CROWEBERG

VALUE MIN
DESCRIPTION MINERAL

VALUE FLM
DESCRIPTION FLEMING

VALUE NTL
DESCRIPTION NEUTRAL

VALUE WR-PT
DESCRIPTION WEIR-PITTSBURG

VALUE BLJKT
DESCRIPTION BLUEJACKET

VALUE IRNPST
DESCRIPTION IRONPOST

VALUE TBO
DESCRIPTION TEBO

VALUE DAW
DESCRIPTION DAWSON

VALUE LX
DESCRIPTION LEXINGTON

VALUE PGH
DESCRIPTION PITTSBURGH

VALUE SEW
DESCRIPTION SEWICKLEY

VALUE UF
DESCRIPTION UPPER FREEPORT

VALUE LF
DESCRIPTION LOWER FREEPORT

VALUE UK
DESCRIPTION UPPER KITTANNING

VALUE MK
DESCRIPTION MIDDLE KITTANNING

VALUE LK
DESCRIPTION LOWER KITTANNING

VALUE CL
DESCRIPTION CLARION

VALUE BKV
DESCRIPTION BROOKVILLE

VALUE MAH
DESCRIPTION MAHONING

VALUE WBG
DESCRIPTION WAYNESBURG

FIELD agecode

- * ALIAS agecode
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD
DESCRIPTION
ExxonMobil Age Code

DESCRIPTION SOURCE
AAPG

LIST OF VALUES

VALUE CETI_EOC
DESCRIPTION Eocene

VALUE CETI_EOCLA
DESCRIPTION Late Eocene

VALUE CETI_MIO
DESCRIPTION Miocene

VALUE CETI_OLI
DESCRIPTION Oligocene

VALUE CETI_PAL
DESCRIPTION Paleocene

VALUE MECT_CTU
DESCRIPTION Late Cretaceous

VALUE PACR_CRM
DESCRIPTION Middle Carboniferous

VALUE PACR_CRM_BAS
DESCRIPTION Bashkirian

VALUE PACR_CRM_MOS
DESCRIPTION Moscovian

VALUE PACR_CRU
DESCRIPTION Late Carboniferous

VALUE PAPE_PEL
DESCRIPTION Early Permian (Rotliegend)

Metadata Details

- * METADATA LANGUAGE English (UNITED STATES)
- * METADATA CHARACTER SET utf16 - 16 bit UCS Transfer Format

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

* LAST UPDATE 2013-01-29

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS 2007-09-12 23:04:45

LAST MODIFIED IN ARCGIS 2013-01-29 11:36:08

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2013-01-29 11:36:08

Thumbnail and Enclosures

THUMBNAIL

THUMBNAIL TYPE JPG

FGDC Metadata (read-only)