

## Geopressure Energy Potential - Plan 2



### Tags

NREL, ANL, Geothermal, USGS, 1978, Geopressurized

### Summary

Plan 2 - Geopressurized resource data from USGS 1978 Circular, "Assessment of Geothermal Resources of the United States."

### Description

Plan 2 - Geopressurized resource data from USGS 1978 Circular, "Assessment of Geothermal Resources of the United States." Original mapped data originated from USGS 1978 Circular, was digitized to GIS shapefile by National Renewable Energy Laboratory (NREL), and finalized by Argonne National Laboratory (ANL). Layer represents producible energy over 30 years in MWe/km<sup>2</sup> with a 2.6% recovery factor from total thermal energy.

### Credits

United States Geological Survey (USGS), National Renewable Energy Laboratory (NREL), Argonne National Laboratory (ANL).

### Use limitations

None noted.

### ArcGIS Metadata

#### Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE geoscientificInformation, utilitiesCommunication

\* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

#### Citation

\* TITLE Geopressure\_Contours

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

## CREDITS

United States Geological Survey (USGS), National Renewable Energy Laboratory (NREL), Argonne National Laboratory (ANL).

## ARCGIS ITEM PROPERTIES

- \* NAME Geopressure\_Contours
- \* SIZE 5.782
- \* LOCATION
- \* ACCESS PROTOCOL Local Area Network

## Extents

### EXTENT

#### GEOGRAPHIC EXTENT

##### BOUNDING RECTANGLE

- EXTENT TYPE Extent used for searching
- \* WEST LONGITUDE -99.416625
  - \* EAST LONGITUDE -88.400367
  - \* NORTH LATITUDE 31.187320
  - \* SOUTH LATITUDE 25.956474
  - \* EXTENT CONTAINS THE RESOURCE Yes

### EXTENT IN THE ITEM'S COORDINATE SYSTEM

- \* WEST LONGITUDE -11067008.015968
- \* EAST LONGITUDE -9840683.856323
- \* SOUTH LATITUDE 2993691.018791
- \* NORTH LATITUDE 3657100.163922
- \* EXTENT CONTAINS THE RESOURCE Yes

## Resource Constraints

### CONSTRAINTS

#### LIMITATIONS OF USE

None noted.

## 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 3857

X ORIGIN -20037700

Y ORIGIN -30241100

XY SCALE 148923141.92838538

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

#### 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 0
- \* CODESPACE EPSG
- \* VERSION 7.4.1

#### Spatial Data Properties

##### VECTOR

- \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

##### GEOMETRIC OBJECTS

FEATURE CLASS NAME Geopressure\_Contours

- \* OBJECT TYPE composite
- \* OBJECT COUNT 171

##### ARCGIS FEATURE CLASS PROPERTIES

- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Polyline
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 171
- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING FALSE

#### Distribution

##### DISTRIBUTION FORMAT

- \* NAME File Geodatabase Feature Class

##### TRANSFER OPTIONS

- \* TRANSFER SIZE 5.782

#### Fields

##### DETAILS FOR OBJECT Geopressure\_Contours

- \* TYPE Feature Class
- \* ROW COUNT 171

##### 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 GRADIENT

- \* ALIAS GRADIENT
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

#### FIELD P2\_RTE

- \* ALIAS P2\_RTE
- \* DATA TYPE Single
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

#### FIELD P3\_RTE

- \* ALIAS P3\_RTE
- \* DATA TYPE Single
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

#### FIELD P2\_PEO30Y

- \* ALIAS P2\_PEO30Y
- \* DATA TYPE Single
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

#### FIELD P3\_PEO30Y

- \* ALIAS P3\_PEO30Y
- \* DATA TYPE Single
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

#### FIELD TATE

- \* ALIAS TATE
- \* DATA TYPE Single
- \* WIDTH 4
- \* 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.

#### 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 2013-02-11

#### ARCGIS METADATA PROPERTIES

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

CREATED IN ARCGIS 2012-03-13 11:59:10  
LAST MODIFIED IN ARCGIS 2013-02-11 12:43:03

#### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2013-02-11 12:43:03

FGDC Metadata (read-only)