

Geopressure Energy Potential - Plan 3



Tags

NREL, ANL, Geothermal, USGS, 1978, Geopressurized

Summary

Plan 3 - Geopressurized resource data from USGS 1978 Circular, "Assessment of Geothermal Resources of the United States."

Description

Plan 3 – 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/km² with a 0.25% 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)