Nakona & Dakota Nations
QuickTime™ and a TIFF (Uncompressed) decompressor are needed to see this picture.
2M Acres
≈12,000 Membership
6 Communities along Highway 2
100 mi. x 35 mi.
Southern Boundary - Missouri River
Black Line is the Reservation Boundary
MT Bureau of Mines and Geology Map - 1981
Potential Geothermal Sites.
Geothermal

- 1979 Feasibility Study - Scientific Foundation
- MIT-Study 2006
- Montana Bureau of Mines Information
- Co-Produced Liquids Technology - Using abandoned oil wells, current wells.
MIT STUDY

OIL FIELDS
132° C at 2.2km

GRANITE BASEMENT
250° C at 6.5km (or less)

Little deep exploration

Few temperature data available

Generally normally pressurized
230 kV Line - East and West along US 2
1/2 mi. from high temp well to Trans. Line
1979

Hottest Temp according to Well Logs is Number 42 at 243°F @ 6K feet.
Scope of Work

- Phase I - Geothermal Resource Assessment
- Phase II - Technical, Socioeconomic, and Environmental Analysis
- Phase III - Power Sales, Transmission Issues, Project Financing, Tribal Utility Issues, and Tribal Education Support
Phase I
Geothermal Resource Assessment

- Compiling and Analyzing Existing geothermal information
- Resource Exploration and Reassessment
Phase II
Technical, Socioeconomic, and Environmental Analysis

- Technical Assessment
- Economic Assessment
- Tribal Education and Tribal Support
- Environmental /Permitting Analysis
- Tribal Benefits Analysis
- Business Plan Development
Phase III

PPA, Transmission, Financing

- Tribal Utility Issues
- Tribal Education and Support
- Power Sales and Transmission Issues
- Project Financing
- Tribal Education and Tribal Support
- LOI’s and Council Resolutions
Grant Award

$233,170
References

MIT Study -

1979-1980 Geothermal Feasibility Study
http://www.osti.gov/bridge/product.biblio.jsp?osti_id=6664705
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