

# National Geothermal Data System

## Submitted Data from EGS Stimulation Project in Newberry Well 55-29

### DOE Award: DE-EE0002777

\*Data Collected During Stimulation. Stimulation data includes 'MetaData' files in .txt format describing table formatting, field units, data collection equipment used, and adjustments/calibrations made during stimulation.

Data Set	Data Type	Data Format	Description	Location\filename (Relative Path)
Geochemistry	Report	PDF	Geochemical analysis from flow testing of well 55-29	Geochemistry\Flow Testing Results 101808.pdf
			Gas analysis of Newberry wells	Geochemistry\Revised Gas Geothermometer Memo 2-4-10.pdf
Temperature	Raw	CSV	Static profile -- Oct 2008 PT survey	Temperature\Static_Profile_Oct2008_PT
		Tab Delimited	*1 <sup>st</sup> DTS -Temperature and signal loss	Temperature\DTS_tab_delimited_1017_1109\DTS_EveryHour_1017_1109.dat
				Temperature\DTS_tab_delimited_1017_1109\DTS_EveryHour_Loss_1017_1109.dat
			*2 <sup>nd</sup> DTS - Temperature and signal loss	Temperature\DTS_tab_delimited_1125_1208\DTS_EveryHour_1125_1208.dat
		Temperature\DTS_tab_delimited_1125_1208\DTS_EveryHour_Loss_1125_1208.dat		
WHP & Flow	Raw	CSV	*Well head pressure and flow through system	WHP_Flow\WHP_Flow.csv
	Interpreted/ Graphs	Excel Spreadsheet	*Well head pressure and flow through system compared to temperature data and annotated with operational changes.	WHP_Flow\WHP_Flow_commented.xlsx
Seismic	Spatial	CSV	Micro seismic array installation information	Seismic\MSA_Install_Data.csv
	Map	JPEG Image	Micro seismic array station map	Seismic\MSA_AsBuilt_Locations.jpeg
	Map	PDF	*Micro seismic event map in general area of Newberry Caldera	Seismic\EQ_map_vicinity.pdf
	Map	JPEG Image	*Micro seismic event map in 1km radius from 55-29 wellhead	Seismic\Foulger_RelReloc.jpg
	Signal - Interpreted	Power Point	*Daily seismic wave pattern recorded from station NN19	Seismic\NMSA_select_daily_seismicity.pptx
	Raw	DAT	*Raw seismic event locations	Seismic\Events\Raw_Locations\catalogue.dat
		Tab Delimited		Seismic\Events\Raw_Locations\cataloguedelimited.dat
	Interpreted	DAT	*Relocated seismic event locations	Seismic\Events\Relocations\catalogue.dat
Tab Delimited		Seismic\Events\Relocations\cataloguedelimited.dat		
Interpreted	CSV	*54 Event moment tensor components and source type components	Seismic\FoulgerConsulting_NewberryEGS_54 MomentTensors_20130318.csv	
Lithology	Interpreted	Excel Spreadsheet	Generalized mud logs and lithology with identified mud loss zones	Lithology\55_29_Lithology_LossZones.xmlx
	Analysis Results	Tab Delimited	Mineralogy weight percentages at depth from XRD analysis	Lithology\55_29_Mineral20110407.txt
	Image	JPEG	Graphic representation of mineralogy, natural gamma, bulk density, neutron density and mud loss	Lithology\55-29_Min_NatGamma_Density_NeutronDensity_Mudloss.jpeg
	Analysis Results	PDF	Heat conductivity values for different zones of the well	Lithology\55-29_Heat_Flow.pdf
	Image	Bitmap Image	Borehole televiewer image log	Lithology\BHTV\55-29_Image_Log.bmp
	Interpreted	Excel Spreadsheet	Borehole televiewer image log interpreted for fracture population and lithology attitudes	Lithology\BHTV\Fract_and_Lith_TN_TD.xmlx

Well Construction	Detail Image	PDF	Wellbore schematic with casing and open hole depths and sizes	Well_Completion\55-29_Wellbore_Schematic.pdf
	Field Report	PDF	Details of each string used during well casing	Well_Completion\CasingInfoRPT_20.pdf
				Well_Completion\CasingInfoRPT_13_375.pdf
				Well_Completion\CasingInfoRPT_9_625.pdf
	Field Data	CSV	Well bore deviation data with survey points in UTM	Well_Completion\Deviation_Data.csv
PDF		Directional survey report	Well_Completion\DirectionalSurveyRp55-29.pdf	
Analysis Results	Excel Spreadsheet	Thermal properties of well bore casing and cement	Well_Completion\casing_&_cement_thermal_properties.xmlx	
Diverter Injection	Field Data	CSV	*Diverter Injection dates and times	Diverter_Timeline\TZIM_Injected.csv
Tracer Injection and groundwater monitoring	Field Data	Excel Spreadsheet	*Groundwater and gas chemistry data	Tracers_Groundwater_Monitoring\Newberry_water_monitoring_data.xlsx
		CSV	*Tracer injection dates and amounts	Tracers_Groundwater_Monitoring\NWG55-29_Tracer_Injection.csv
Geophysical Logs	Field Data	LAS	Geophysical logs of various parameters collected during drilling of borehole	Geophysical_Logs\55_29_RUN_1.las Geophysical_Logs\55_29_RUN_2.las Geophysical_Logs\55_29_RUN_3.las
		Text File	Units of parameter values in geophysical logs and ranges of values collected in the open hole	Geophysical_Logs\LogInfo.txt
Daily Reporting	Field Data	PDF	*Daily reports of field operations before, during, and after stimulation	Daily_Reports\((month)\Newberry daily report(date).pdf
Publications	Interpreted	PDF	Papers and presentations given about stimulation	Papers_Presentations\cladouhos_et_al_2012.pdf
				Papers_Presentations\cladouhos_et_al_GRC2013.pdf
				Papers_Presentations\cladouhos_et_al_2011_GRC.pdf
				Papers_Presentations\cladouhos_newberry_meq_SGWS_2013.pdf
				Papers_Presentations\cladouhos_sgw2011_6.pdf
				Papers_Presentations\davatzes_hickman_2011.pdf
				Papers_Presentations\Newberry_EGS_GRC_2013.pdf
				Papers_Presentations\Petty_Multizone_stimulation_SGWS2013_final.pdf
Papers_Presentations\sonnenthal_sgw_2012.pdf				