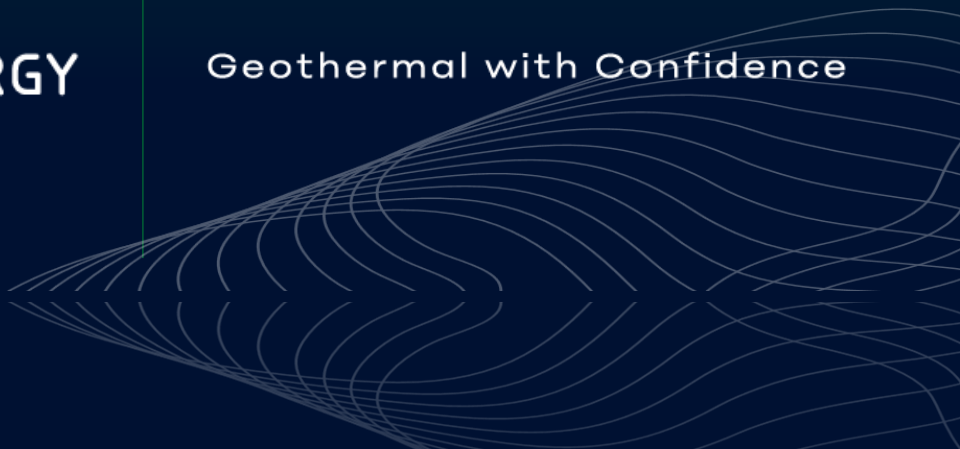




JRG ENERGY

www.jrgenergy.com

Geothermal with Confidence



GEOTHERMAL SERVICES

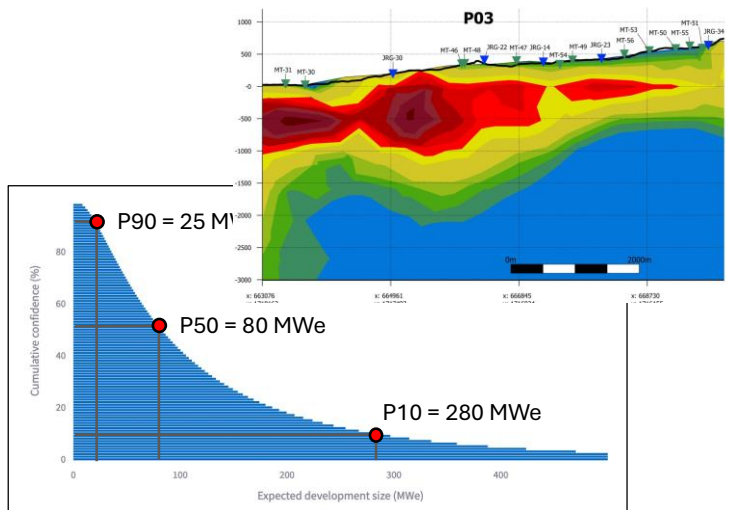
Engineering and Consulting



1 GEOTHERMAL EXPLORATION

Exploration Services:

JRG Energy's Geoscience Team has experience with all phases of geothermal exploration including preliminary surveys, site recon, sampling of thermal features, geological and geochemical field surveys, and coordination of geophysical surveys. This includes structural geology interpretation, geothermometry, thermal surveying with ROAVs and IR sensors, joint MT and gravity inversion modelling and seismic analysis.



Resource Assessments:

JRG Energy's Geoscience Team have completed geothermal resource assessments in a wide variety of global and geological settings. Tasks include geochemical analysis and interpretation, conceptual modelling, evaluation of resource potential, deterministic and probabilistic stored heat assessments, pre-feasibility studies, well targeting, and geologic prognosis reports for exploration drilling.

Due Diligence and Technical Review:

JRG Energy's geologists and engineers have completed due diligence assessments of geothermal resources and existing facilities at sites around the world. This typically includes review of multi-disciplinary geoscientific reports and conceptual models, evaluation of resource size and long-term sustainability, site inspections, verification of thermal features, development of screening criteria to identify and rank prospects, and confidential peer review of geothermal development projects.



GEOTHERMAL WELL SERVICES

Engineering and Operations



DRILLING AND WELL TESTING

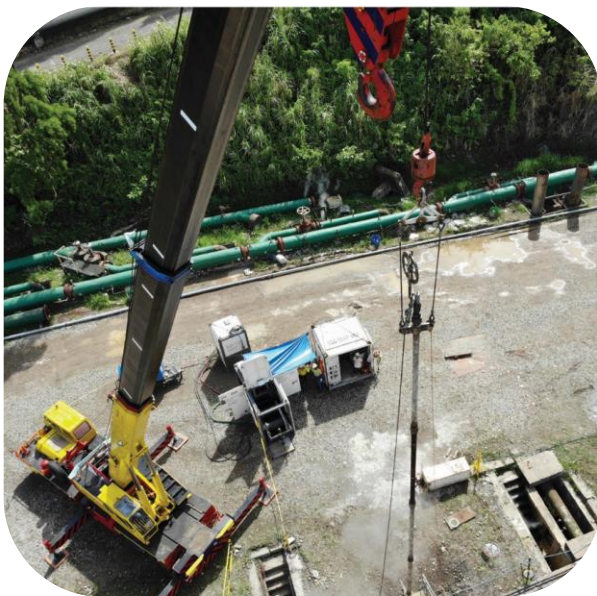
2

Completions and Wireline:

JRG Energy's wireline and completion technologies, thorough planning, and a zero-tolerance approach to risk avoidance maximizes production, reduces service costs, and extends the life of the well. JRG Energy has specialized equipment and procedures to tolerate the unique challenges of geothermal wells. Across cased and open hole, JRG delivers products and services to provide optimized solutions to fit specific problems, providing return on your field development investment.

Design, Execution and Analysis of Geothermal Well Tests:

JRG Energy offers design, execution and analysis services for well tests. Whether the client has a recently completed well or they acquired old wells that need to be evaluated for production or injection feasibility, JRG's Experienced team can design, implement and analyze the well tests.



Drilling Management Services:

JRG Energy offers project management and well testing services for production and injection wells in all types of environment. JRG's team covers the entire range of possibilities, from simple, shallow temperature gradient holes to the most complicated, deep multi-legged completions. JRG manages geothermal drilling projects from well site selection to testing and clean-up.

GEOTHERMAL SERVICES

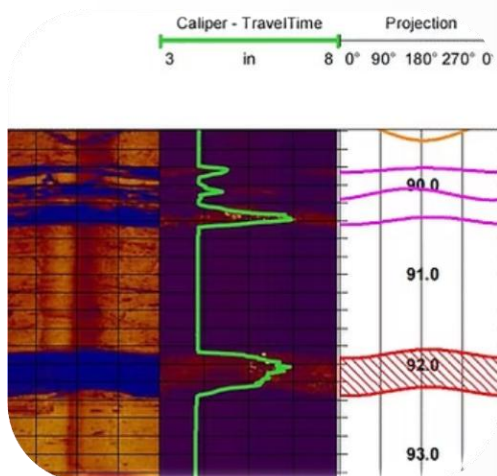
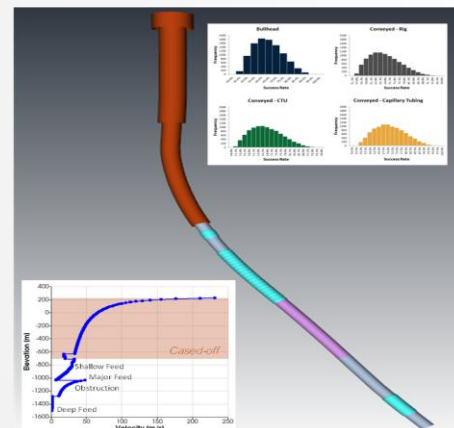
Engineering and Consulting

3

PERFORMANCE ANALYSIS AND MODELLING

Well Performance Analysis:

JRG Energy offers an integrated approach to analyze well performance using our Geoscience capabilities and with the aid of Wellbore Modelling. This can be further processed with stochastic assessments using our proprietary Intervention Decision-Making Tool (i-DMT) to add commercial value, predicting the success rate given the financial and risk factors. This also leverages potential synergies among the available well intervention methods in the market, leading to production optimization and sustainable business decision.

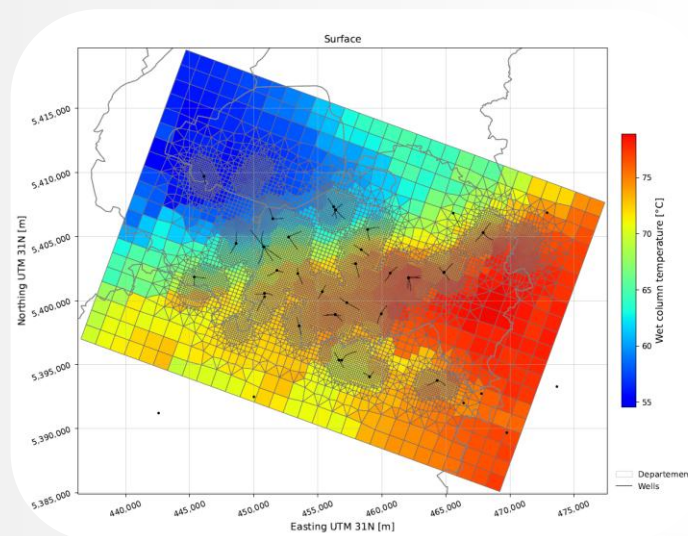


Well Integrity Assessments:

JRG Energy provides comprehensive geothermal well integrity assessments using a range of diagnostic and testing capabilities. These includes desktop reviews, step-rate testing, downhole camera inspections, pressure-temperature-spinner (PTS) surveys, caliper logging, cement bond logging amongst others to evaluate structural condition, fluid movement, and performance issues. Where issues are identified, JRG can recommend and manage targeted remediation actions - such as repairs or flow optimization - to restore well performance and inform long-term sustainability strategies. JRG's approach balances technical depth with operational flexibility, enabling partners to make decisions at each stage and ensuring well integrity solutions that are both data-driven and practical.

Reservoir Modelling:

JRG Energy provides reservoir modelling solutions to optimize geothermal resource development and assets sustainability. This includes numerical simulation of fluid and heat flow, pressure and temperature distribution analysis and performance forecasting under various production and reinjection scenarios. Using industry-leading software and data-driven approaches, the team integrate geological, geophysical, and geochemical data to develop high-resolution models that support and optimise well targeting and trajectories, impacts on existing assets, and operational efficiency. Reservoir models aim to help mitigate risks, enhance energy recovery, and ensure the viability of geothermal projects, from conventional hydrothermal systems to enhanced and closed-loop geothermal developments.



GEOTHERMAL WELL SERVICES

Engineering and Operations

4

WELL INTERVENTION AND SCALE REMOVAL

Wireline / Slickline Services:

JRG Energy's wireline/slickline supervision and project management services include measurement, well intervention, and remediation operations that use conductive cable or slickline to convey specialized geothermal equipment and measurement devices into open and cased-hole wells. JRG Energy provides broaching services to remove scale and improve performance in geothermal wells.



Coil and Capillary Tubing Operations:

JRG Energy offers expert supervision and project management of coil and capillary tubing operations through their networks of international providers. This includes, live well scale cleanouts using mills and underreamers, acid washing, acid placement, air nitrogen lifts, fishing, cement and well abandonments, casing scraper runs, abrasive perforations and deflagration, plug and packer placement and retrieval, direction memory tool conveyance for horizontal or deviated wells, and tubing conveyed perforating. Additionally, JRG offers radial drilling, chemicals injection, matrix stimulations, gas lift, dewatering, hydrates removal, cleanouts, mechanical interventions, flowline blockage removal and downhole tool operations.

Chemical Inhibition Systems:

JRG Energy offers chemical inhibition systems as a turn-key solution. JRG's team can take chemical samples from the resource and wellbore and have them analyzed in a laboratory. JRG's team can source and procure a chemical solution from a qualified chemical supplier and can also design the system, either downhole or surface, to inject the chemical. JRG can source the manufacturing, test, install and commission the system before banding it over to the client.



GEOTHERMAL SERVICES

Engineering & Consultancy

Direct Heat Feasibility Study and Implementation:

JRG Energy works with governments, cities, private and commercial entities to manage the development of their direct use application. From geology, to slim hole exploration, engineering, production drilling supervision, to the design and construction of the surface equipment, JRG can provide turn-key direct use feasibility studies and project management.

Power Station Engineers:

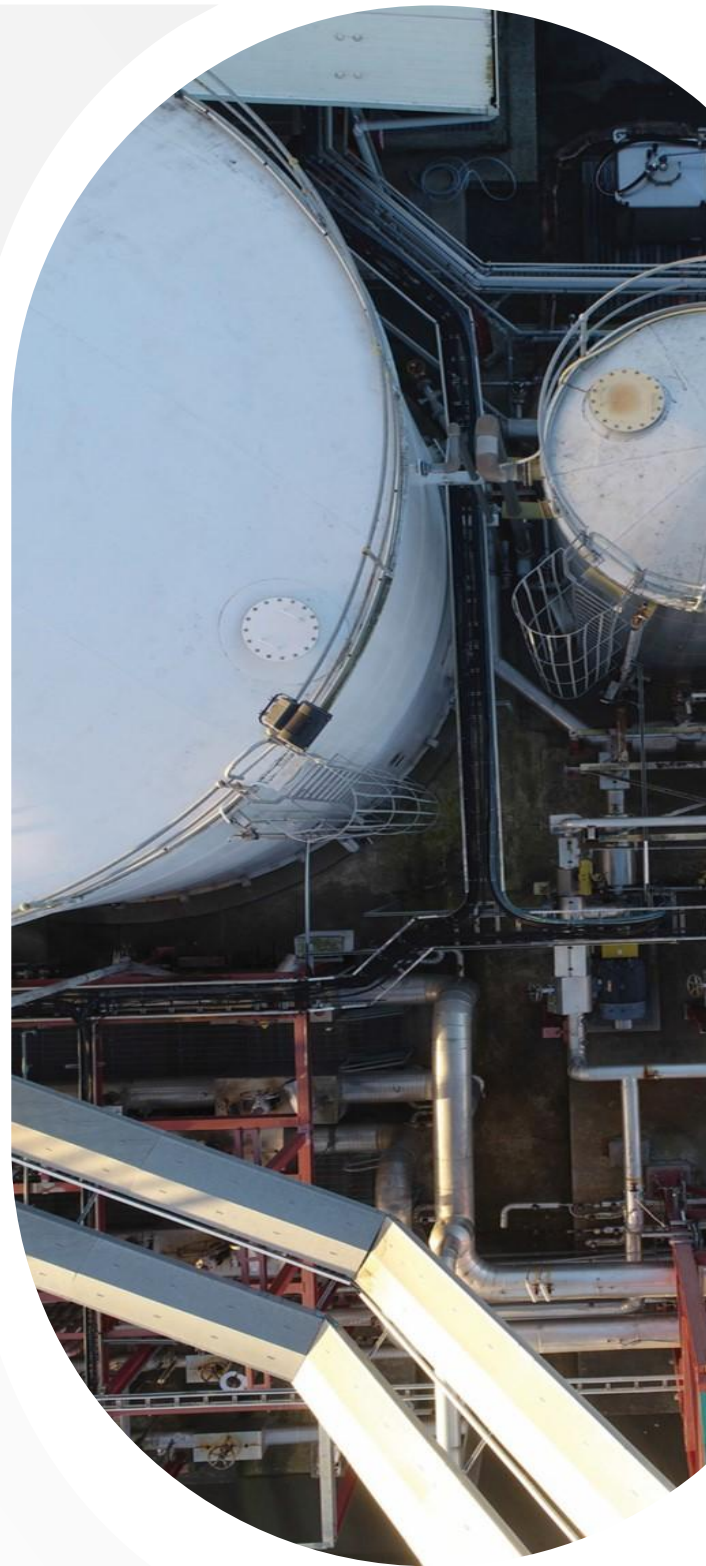
JRG Energy's network of Engineers can custom design and engineer a new power station or optimize an existing one that best suits your resource. JRG has experience working with developers on maximizing power to the grid by engineering scalable, cost-effective power stations for any size project.

Steamfield Design and Procurement:

JRG Energy understands your reservoir, land use, the position of wells, and can strategically map out and design well pads to maximize your steamfield. In addition, JRG's team and partners can recommend, consult, project manage or procure your steamfield equipment directly, as well as manage comprehensive well maintenance programs.

Asset Management Assessments:

JRG Energy provides a practical, comprehensive approach to asset management assessments for geothermal equipment and capacity building tailored to the needs of geothermal and energy sector partners. Through remote and in-person assessments aligned with ISO-55001, JRG evaluates organisational maturity, asset data quality, and operational needs. The team has supported early-stage digital transformation in East Africa, improving data capture, asset visibility, and decision-making. Capacity building is central to JRG's approach, with targeted, hands-on training across technician to engineer levels focused on embedding sustainable asset management skills.



GEOTHERMAL SERVICES

Engineering & Consultancy



Project Engineering and Management, Construction Management and Plant Commissioning:

Specific geothermal power plant configurations must match the heat resource to maximize its potential but should also take into account a variety of other criteria including local conditions and requirements as well as the needs of a community. JRG Energy has the team in place to provide construction planning to plant commissioning services and everything in-between.

Due Diligence:

JRG Energy's experienced team of project engineers, analysts, financial managers and geologists understand the importance of mitigating strategic, operational, financial, hazardous, and socio-environmental risks before committing to a project. JRG provides technical and financial due diligence services across the life-cycle of geothermal assets. This includes resource estimates and decline reporting, review of size and capacity of resources, reviewing project development studies, risk identification, assessment, and prioritization of risks and financial modelling of geothermal assets.

Quality Management Control and Assurance:

JRG Energy offer an HSE and Quality Management program that fits your company sector and can assist with, or comply to the API quality Management Certification process.

Budget Analysis and Financial Planning:

JRG Energy's network of Financial Advisors are sought after to provide budget analysis and financial planning consulting services. JRG's Team assist with executing the budget, tracking progress and documenting results. Financial and Budget analysis uses the output from JRG's financial planning to assess profitability, liquidity, solvency, and stability for organizations and specific projects.



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