

IWFS

INTEGRATED WELL FLOW SOLUTIONS, LLC

U.S and International Petroleum Consulting

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“We deliver customer value by providing quality petroleum consulting services for efficient return of the investment”

INTEGRATED WELL FLOW SOLUTIONS, LLC

is a private consulting firm with a focus on providing petroleum engineering consulting and project management assistance services to oil & gas production operators, service companies, financial and investments firms in the U.S., South America and overseas.



IWFS SERVICES PORTFOLIO

- **PTA and Interpretation**
- **Rate Transient Analysis & Interpretation**
- **Well Performance and Nodal Analysis**
- **Enhanced Oil Recovery (EOR)**
- **Artificial Lift**
- **Production Surveillance & Monitoring**
- **Well Recompletion Management**
- **Oil & Gas Asset Acquisitions**
- **Field Operations**



Pressure Transient Analysis & Interpretation

Pressure Transient Analysis and Interpretation is instrumental in the characterization of the well-reservoir system, enabling engineers and geoscientist to gather key reservoir information to design improved development and depletion strategies and enhance well productivity.

By analyzing the measured high-resolution pressure response, pressure derivative and flow regimes, an analytical model can be selected to match well, wellbore, reservoir and boundary parameters representing the well-reservoir volume system.



Rate Transient Analysis & Interpretation

Rate Transient Analysis enables engineers and geoscientists to analyze rates and pressure history data from a well using analytical models compatible with PTA. RTA methods characterize the well-reservoir drainage volume system by investigating with a radius of investigation much larger than PTA tests can reach without the need to shut-in the well.

RTA combines analytical and empirical methods and is the complement of PTA.

IWFS can provide the expertise to oil and gas operator Clients in the effective application of RTA



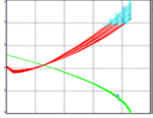
Nodal Analysis and Well Performance

IWFS can develop nodal analysis models including well completions, flow lines, risers, pipeline manifolds, separators, compressors, equipment, and gathering facilities. The surface networks can be optionally linked to reservoirs and process models for fully integration of production systems. Nodal analysis models enable operators to visualize and identify flow inefficiencies and bottlenecks so that documented decisions can be made *to optimize overall performance, system throughput and return* of the investment.



Enhanced Oil Recovery (EOR)

IWFS can provide the expertise to client operators interested in the management of EOR engineering projects *to optimize ultimate reservoir recovery factors* adding important volumes of incremental oil from mature fields that require specific methods of injection: gas, thermal and chemical, to recover immobile oil trapped by reservoir capillary and viscous forces not recoverable thru conventional primary and secondary recovery methods.



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Artificial Lift

As reservoirs mature and pressure declines, artificial lift systems have to be considered. Integrated Well Flow Solutions can assist clients to find the solutions needed by your company to optimize artificial lift performance by maximizing productivity and minimizing operation costs. IWFS can assist clients in the selection of the best solutions including Rod Pump, Gas Lift, ESP, PCP and JP technology *to generate sustainable productivity and guarantee a rapid return of the investment.*



Production Surveillance

The oil and gas industry are characterized for its dependence on assets that reside in remote and in most cases difficult to access locations. Effective production surveillance is only possible when a data communications and analytical monitoring infrastructure can minimize deferred production and therefore: operation costs, level of attention, significant travel and resources at minimum cost.

IWFS can assist operator clients to design the best solutions to manage their oilfields to lower capital, maintenance and labor costs thru application of last generation surveillance technologies.



Well Recompletion Management

Typically costing a fraction of the amount required to drill and complete a new well, recompletions represent an attractive opportunity for operators to *increase production, ultimate recovery and return of the investment.* Successful recompletions provide an excellent opportunity to add significant value to the asset.



Oil & Gas Assets Acquisitions

Integrated Well Flow Solutions provides the assistance needed by operators, service companies and investment firms to approach, target on, evaluate and acquire oil and gas opportunities including acquisition of assets and new oil & gas business opportunities in Latin America and the Caribbean with special focus in Colombia where a combination of country political stability, reasonable service costs and a talented workforce bring to the table *an attractive scenario for petroleum investors*



Field Operations

IWFS holds an alliance with field operations consulting firms with *seasoned experience both at the domestic and international level* in the supervision and execution of operations that include: drilling and completion, workover, well recompletions, abandonment and artificial lift. Drilling operations include expertise on-shore and off-shore among others: conventional drilling with mud, air drilling, managed pressure drilling (MPD) and underbalance drilling (UBD).

Contact

For more information about how our consulting services can benefit you and/or your company, please use the contact information below:



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