



CASE STUDY PUMPING THE FRAC JOB

IPT was recently working with Crawley Petroleum Corporation in western Oklahoma where a cost savings of approximately \$90,000 was achieved on a two mile lateral, 45 stage well in the Meramec formation.

THE CHALLENGE

No one knows for sure how a formation will accept a fracture stimulation treatment until you start pumping the treatment. Some operators will pump the job “as designed” like a “cookie-cutter” with minimal to no changes in the pump schedule and live with the consequences. Or operators will hire IPT to provide a stimulation specialist to work with the service company and the operator’s team to optimize the fracture stimulation treatments.



CRAWLEY PETROLEUM

“WE’VE BEEN USING IPT CONSULTANTS ON THE COMPLETION SIDE FOR SEVERAL YEARS AND WILL CONTINUE TO DO SO. THE CONSULTANTS ARE RESPECTFUL, KNOWLEDGEABLE AND PROFESSIONAL. OUR MANAGEMENT CAN REST AT EASE KNOWING IPT IS ON LOCATION.”

- JOHN THOMAS, CRAWLEY PETROLEUM -

THE APPROACH

The primary job of the IPT stimulation specialist is to help the operator and the service company placed the optimum treatment possible under the conditions and limitations of the reservoir, wellbore configuration, surface equipment, and the chemicals on location, and even the weather.

The IPT stimulation specialist monitors a host of information and data that is acquired during the hydraulic fracture treatment to help the service company placed the very best stimulation treatment possible within the given constraints previously noted

THE SOLUTION

IPT trains the stimulation specialist to interpret how the fracture treatment is progressing by evaluating the treatment pressure, chemical additives, treatment fluid, slurry rate and proppant concentration response as they enter the formation.

Depending on how the formation reacts to the treatment plan, the stimulation specialist can adjust the treatment schedule to minimize the pump time, optimize the hydraulic horsepower and/or minimize the materials needed to place the fracture treatment.

THE RESULTS

These adjustments could result in cost savings in multiple categories such as: hydraulic horsepower, pump time, and minimizing chemical and water volumes. These saving can be hundreds or even thousands of dollars depending on the magnitude of reduction in these categories.

IPT was recently working with Crawley Petroleum Corporation in western Oklahoma where a cost savings of approximately \$90,000 was achieved on a two mile lateral, 45 stage well in the Meramec formation. This net savings considers all of IPT's consulting charges in the total well cost.

SAVING
\$90K

OVER
45
STAGES

IN A
2 MILE
LATERAL

ABOUT IPT

IPT Well Solutions is an independent engineering consulting and wellsite supervision firm in business for 30 years. We serve clients in oil and gas, municipal and industrial wastewater, and carbon capture & storage.

We provide comprehensive engineering and field supervision services, leveraging our experience with thousands of oil and gas wells across the major basins and hundreds of wastewater disposal wells.

No matter what issues you are facing, IPT Well Solutions understands what it takes to maximize your success.