



Revelant is a green production optimization company.

Simplistically, the financial performance of a particular oil well is influenced by the characteristics of the well and reservoir such as pressure, well productivity, depth, diameter of the well, completion design, and physical properties of the fluids.

Oil properties such as API gravity, cloud point, pour point, paraffin content, asphaltene content, and viscosity affect well profitability. Water properties also impact profitability due to scale, corrosion, and disposal costs. Furthermore, gas can be corrosive as well as affect the pumping efficiency. When these three types of fluids come together, emulsions can also be problematic and thus affect production volumes and remediation costs.

Historically, on-going chemical programs have been employed to improve well profitability. Unfortunately, chemical programs can be costly, do not end, and do not always yield the desired results, hence the need for hot oiling, knife cutting, stripping jobs, or other costly workover techniques.

Revelant addresses these production challenges by utilizing materials that are not magnetic or nuclear; they do not use radio frequency; they are not externally powered and they are not charged during manufacturing.

The materials we use absorb the energy of the surrounding environment and filter specific frequencies of the energy source. The filtered frequencies are transmitted and drive changes in the physical characteristics of the well fluids. In this way, the materials affect the way that molecules in the fluids vibrate and changing molecular-level vibrations affects how molecules interact with one another.

The results are production at a lower cost because paraffin commonly remains soluble, asphaltenes continue to be dispersed, calcium carbonate crystal polymorphs change and/or remain more soluble, and the oil/water interfacial tension is changed affecting emulsions, oil carryover, and tank bottoms.

Features

- ◆ Environmentally friendly
- ◆ Uses Revelant Materials Science Technology
- ◆ Produced fluid properties remain stable over time.
- ◆ Engineered for H₂S service
- ◆ Applicable with rod pump, ESP, plunger lift and flowing wells
- ◆ Easy to install
- ◆ Helps keep subsurface and surface pipe clean

Benefits

- ◆ Reduces handling of toxic chemicals and chemical waste
- ◆ Reduces well downtime
- ◆ Stabilizes production to better follow the natural decline curve
- ◆ Extended product life
- ◆ Increases equipment efficiency
- ◆ Reduces downtime for remedial surface and subsurface pipe clean outs
- ◆ Reduces chemical costs
- ◆ Reduces hot oil treatments
- ◆ Reduces high tank bottoms and BS&W

Downhole Products

Tubing Deployed



TBG

The tubing deployed tools incorporate a proprietary, patent pending sealed chamber which houses our high performing aluminum composite material. All parts are locked together to prevent rotation. The flow-wetted components of the product are made in the USA of NACE grade low alloy, 80Ksi yield, steel for H2S corrosion resistance. The new product is compatible with hydrochloric and hydrofluoric acid stimulations as well as produced salt water. The tool capacities ratings are based upon barrels of oil per day and the product is engineered in a modular fashion. To increase capacity, simply attach additional TBM modules to the TBG.



TBM

Tubing Size	Model	Capacity (BOPD)	Item Number	Outside Diameter	Inside Diameter	Joint Yield Strength	Threads (Box x Pin)
2-3/8"	TBG-10	10	IA-TBG-010-20	3.500"	1.995"	104,340 lbs	2-3/8" EUE 8RD
	Module	10	IA-TBM-010-20				
2-7/8"	TBG-15	15	IA-TBG-015-25	4.250"	2.441"	144,960 lbs	2-7/8" EUE 8RD
	Module	15	IA-TBM-015-25				

Sucker Rod Pump Deployed



The sucker rod pump deployed product consists of composite material located inside a 1.500" OD, thin-walled tube. The tool is engineered and made in the USA using corrosion resistant alloys. The assembly is sealed during the manufacturing process at the factory. The tool capacities ratings are based upon barrels of oil per day and are designed to mate with the bottom female thread of a cup-type hold down seating assembly of a reciprocating rod pump.

Model	Capacity (BOPD)	Item Number	Temperature Rating (°F)	Outside Diameter	Overall Length	Weight (pounds)
RPT-2	2	IA-RPT-002-01	350	1.500"	23.6"	6.3
RPT-5	5	IA-RPT-005-01			25.6"	6.8
RPT-10	10	IA-RPT-010-01			31.6"	8.1
RPT-15	15	IA-RPT-015-01			37.1"	9.5
RPT-20	20	IA-RPT-020-01			43.6"	10.8

Slickline Deployed



The slickline deployed product consists of composite material located inside a 1.500" OD, thin-walled tube. The tool is engineered and made in the USA using corrosion resistant alloys. The assembly is sealed during the manufacturing process at the factory. The tool capacities ratings are based upon barrels of oil per day and are designed to be installed on slickline. The product configuration is dependent on the well completion design. Please contact us at info@revelant.com for more details.