

## | The Eagle Ford Formation |

### | Case Study 1 |

In November, 2013, the Joey Smith #2 in the Eagle Ford was treated with Skye Chem WD.

The well required a hot oiling treatment every week due to paraffin clogging. This well was producing an average of 10 barrels daily before shutting down due to the pump becoming inoperable. The well was placed on a continuous daily injection of 1 gallon of Skye Chem WD. As of this date the well has pumped continuously for 34 weeks without experiencing any problems, and is now producing 12-20 barrels of oil per day.

### | Case Study 2 |

The Gonzales oil well in Tilden, Texas was abandoned by the operators due to the costs of operating the well. Four gallons of Skye Chem WD was poured down the annulus and the well was placed on a 1 gallon continuous daily injection. The well has been producing for 6 weeks without any paraffin issues, while producing 20 barrels of oil per day.



***“Our customers love WD-RTU and continue to come back for more.”***

Steve Hale, Patriot Pump & Supply, Coleman TX



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We make life easier for the oil industry



*Skye Petroleum chemists have been developing our line of paraffin dispersants and inhibitors since 1998. As a result of recent breakthroughs we're bringing to market near universal paraffin dispersant & inhibitor chemistry effective on a wide range of paraffins not previously seen in a single product.*

## | About Skye Petroleum |

- Skye offers chemical treatment services to companies that battle with flow assurance issues relating to paraffin, asphaltene and sludge.
- Oil wells in multiple regions have been successfully using our paraffin dispersant and inhibitor, resulting in significant production increases in many cases.
- Skye technology continues to be tested on different applications and locations with great success in oil wells, flow lines, tanks and converting difficult sludge into salable oil.



## | The Problem |

- Throughout the industry operators are experiencing flow assurance problems that create costly flow blockages in production due to paraffin and sludge.

***"In my 34 years of oil field experience, I have never seen an oilfield chemical that works as well as Skye's WD-RTU..." Charles Grisham - Thompson Pump Shop, Vivian LA.***

- Paraffin & asphaltene issues create problems for operators from down hole blockages to sludge issues in tanks, pipelines and transport vessels.
- Millions of dollars are spent each year trying to eliminate this ongoing problem. Skye Petroleum believes it has the solution that will save time and money, making life easier for operators from upstream to downstream.

## | The Skye Solution |

- Skye believes it has the only pro-active paraffin and sludge treatment process, as opposed to a reactive approach to these issues that confront oil producers worldwide.

***"It was amazing to see WD-RTU have such a powerful effect on the well in such a short period of time. Under standard clean out methods, it would have taken days to bring this well back on line."*** Scot Stutzman

- Most companies react to the problem of paraffin with mechanical knifing, hot oiling or solvents. These are all reactive and expensive. Sludge issues cause significant economic losses throughout the production process.
- Skye's PROACTIVE treatment of keeping the paraffin "in suspension" will have a major impact in solving paraffin issues for many companies. Saving them time and money.

## | What Is Skye Chem WD |

- Skye Chem WD-RTU is a mixed structure, oil soluble paraffin dispersant synergistically combining multiple chemistry's.
  1. ***The first acts as a wedge between the wax crystals.***
  2. ***The second changes the polarity of the crystals to a like charge causing them to repel each other.***
  3. ***The third distorts the edges of the wax crystals making it difficult for them to fit together.***
- Skye Chem WD-RTU has been successfully tested against numerous paraffin's worldwide. Skye is experiencing success in Texas, North Dakota, Pennsylvania and many other locations with a single chemistry in multiple applications. Also, this product works without heat.

## | What Is Skye Chem AD |

- Skye Chem AD is a unique blend of surfactants and solvents designed to aid in the dispersion of sludge and asphaltenic materials into crude oil or aliphatic solvents. Skye Chem AD acts to improve the stability of these mixtures as well as reduce the pour point.

## | Up Stream - Down Stream |

- Skye Chem will address your paraffin issues anywhere in the production stream. Once the paraffin is placed into "suspension" it will remain in that state all the way to the refinery and not cause future problems downstream.

**Down Hole / Flow Lines / Storage Tank  
Pipelines / Tankers / Transportation Vessels**

## | Paraffin Clean Out Video |

- The following video was shot in 2011. This particular well was plugged up with paraffin and would not pump. Approx. 5 gallons of Skye Chem WD was poured down a very narrow opening in the tubing. 45 minutes after the WD-RTU was poured down the tubing the well was turned back on.
- As you will see in the video clip, the rods moved smoothly, the paraffin softened and pumped out. After 1.5 hours the tubing was clean and the fluid was absent of paraffin. Oil resumed flowing again.
- The video can be viewed at...<http://vimeo.com/skyepetroleum>

