

CASE HISTORY;

USING C.I.S. SILVER-HAWG PARAFFIN/ASPHALTENE DOWNHOLE TOOL.

WELL-832
Trinmar ltd'
TRINIDAD

BACKGROUND.

Southern Chemicals Ltd, a Trinidad based Oilfield chemical company in Trinidad, was the preferred chemical supplier for the treatment of problematic paraffin/asphaltene wells in Trinmar Ltd, a major oil producer located in the South West area in Trinidad.

Many international service companies, including Baker petrolite, Champion, Unichem, and Tros paraffin chemicals, were field-tested. A specially designed chemical compound from Southern Chemical (P-103) was the only product that achieved some success but was not capable of preventing paraffin deposition for periods over one month

This well needed to be wireline/scraped at least twice per month with hard wax when no chemical was injected. While using the P-103 chemical, the well needed to be wireline once every six weeks and had soft wax down to 800 -1200 ft..(well dept.6000 ft.)

Mechanical Option

In an effort to alleviate this problem, Southern Chemicals Ltd, .through diligent research, contacted the U.S. based company (C.I.S.), which had a unique mechanical device called "SILVER HAWG". This tool is a revolutionary, patented technology comprising of nine dissimilar metals which changes the polarity of the produced fluids.

.Our contact with this company led to arranging a meeting and seminar in Trinidad to introduce this new technology to a major oil producer-Trinmar Ltd. While we were talking to Mr.Steve Hines the President and C.O.O of the company and working with him and the people at Trinmar, we received the Production Information necessary for Mr, Hines, to analyze well Production Data to custom design the Down Hole tool for that

Well. After analyzing data, Mr. Hines manufactured the designed Tool for this well. Then all parties agreed on a test period of (90 Days). Mr.Hines came to Trinidad with the Tool and other samples of their Produces. The staff of Southern Chemical with Mr.Hines had the first meeting with Trinmar, followed by giving C.I.S. seminar on the Down Hole Tool and Surface Units. NOTE: the Offshore well that was chosen for the test project is Trinmars WORST producer in this field.

The test results as a chemical supplier, I believe, is, without doubt, the best option available to replace the normally accepted chemical treatments, and the following Case History is Testament to my conclusion.

RECOMMENDATION;

Southern Chemicals Ltd recommended the C.I.S. Silver Hawg tool to be used on this well as a suitable solution to our chemical treatment.

Trinmar Ltd. decided to accept our offer on a trial basis for three (3) months, and the results were expressed as” extremely surprising.”

RESULTS. After 3 months

Production Data :

API-GRAVITY--25

Potential of the well--- 150 /bbls per day

Pre-installation of tool-60 /bbls per day (30-day avg.) with chemical and wireline work

Post-instillation of tool-150/bbls per day

Wireline Data ;

It was agreed that the well would be wire lined once per month during the test period and the wireline information is as follows ;

The tool installed on 14 November 2008

| DATE | RESULTS |
|--------|--|
| 10 DEC | NO WAX – CLEAN TO 5600 ft. |
| 08 JAN | NO WAX – CLEAN TO 5704 ft. (top of C.I.S. tool) |
| 20 FEB | NO WAX.- CLEAN TO 5704 ft. (top of C.I.S. tool) |

FURTHER ADVANTAGES :

In addition to maintaining a clean tubing string, and increasing production, the tool was also capable of reducing the water cut from 12%--1%.

I have no hesitation in recommending this tool to any oil producer.

Respectfully,

Mr. Michael Homer C.E.O /President
Southern Chemicals Ltd.