

A TYPICAL INSTALLATION OF CPRS @ GNPOC

CORROSION INHIBITOR SYSTEMS

GNPOC NEEM OILFIELD

GNPOC NEEM OILFIELD IS LOCATED AT THE SOUTH BORDER OF THE REPUBLIC OF SUDAN, WHERE OIL PRODUCTION HAS BEEN HINDERED BY SERIOUS PARAFFIN AND SCALE PROBLEMS.



GNPOC NEEM OILFIELD



CHEMICALS TO INHIBIT THE SCALE AND PARAFFIN AND USING ACIDS TO CLEAN THE FLOWLINE AND OIL WELLS. EVEN BY DOING THIS, THE SCALE STILL PLUGS OFF THE FLOWLINE AFTER 2-3 MONTHS.

CPRS TO SOLVE THE PROBLEMS



- TWO 6X8 CPRS SURFACE UNITS
 WERE PURCHASED TO COMBAT THE
 SCALE AND PARAFFIN PROBLEM
- INSTALLATION OF CPRS SURFACE UNITS WAS STARTED ON MAY 20, 2014
- SHORT MEETING AT THE WELL SITE TO DISCUSS THE INSTALLATION

SLECTION OF THE INSTALLATION POSITION



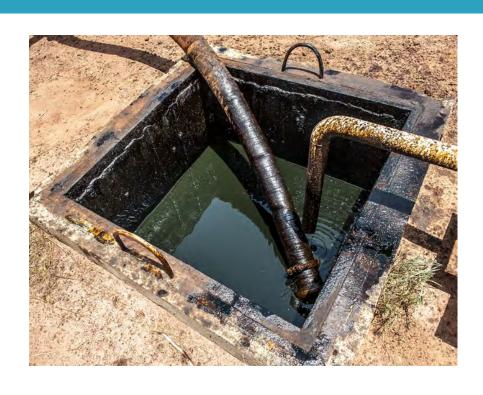
- 2-3 METERS AWAY FROM THE CHRISTMAS TREE ON THE FLOWLINE
- IN FRONT OF THE CHEMICAL ADDING POINT
- TRY TO USE CPRS SURFACE UNIT TO ELIMINATE FUTURE CHEMICAL USE AND ACID CLEANING

PREPARATION BEFORE THE INSTALLATION



- MOVE THE CRUDE OIL
 TRANSPORTATION TRUCK AND
 FIRE FIGHTING TRUCK INTO
 LOCATION
- LOAD THE CRUDE OIL INSIDE THE FLOWLINE AND PREPARE FOR ANY FIRE SITUATION

PREPARATION BEFORE THE INSTALLATION



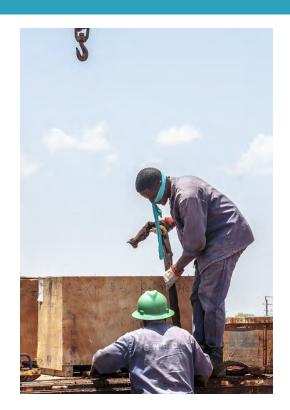
- BLEED OFF ANY PRESSURED GAS INSIDE THE FLOWLINE
- DRAIN ALL CRUDE OIL INSIDE
 THE FLOWLINE AND LOAD IT TO
 THE TRANSPORTATION TRUCK

PREPARATION BEFORE THE INSTALLATION



AFTER THE INSTALLTION POISTION IS DECIDED, REMOVE THE INSULATION MATERIALS OUTSIDE OF FLOWLINE

PREPARE CPRS SURFACE UNITS





FLOWLINE CUTING



WELDING



A WELL DONE JOB, SO EASY!



RESULTS!

GNPOC ACKNOWLEDGED
THAT THE TOOL WORKED
WELL AND BOUGHT 20
MORE UNITS. IT NOT ONLY
PREVENTED SCALE BUILDUP
BUT ALSO DISLODGED WHAT
WAS THERE.

