

H²S TREATING OPTIMIZED

Application Sheet #53

SITUATION

- An Oklahoma Operator is producing oil with produced water, using plunger lift technology.
- The wells are sour, and 20 to 30 ppm of hydrogen sulfide is treated using legacy pumps. The plunger lift runs for about 30 seconds every minute, while the legacy pump never shuts off.
- The cost of chemicals to treat the well is approximately \$118,000 annually, which is more than the operator wants to spend. They have tried to control costs by checking the well daily and adjusting rates frequently.
- The Operator is moving toward ensuring all their fields meet explosion proof standards, which require the "injection system" to meet electrical code ... not just having an explosion proof motor and controller.

SOLUTION

- Sirius provided an automated system which injects chemicals when the well is producing.
- In addition, the system met all the electrical code requirements necessary for hazardous areas.

RESULTS

- Chemical consumption dropped by approximately 50%, saving the Operator approximately \$60,000 annually.
- The accuracy and reliability of the Sirius equipment gave the Operator confidence the proper amount of chemical was being injected.
- Based on this confidence and cost savings, the Operator dropped the daily checks which saved additional manpower and expenses.
- Even with the higher cost of the hazardous rated equipment, the payout was less than one month, with the bonus of a safer environment for their field staff.

CUSTOMER VALUE

Chemical consumption
decreased by 50%.
Payout less than one
month.
Reduced labor.
Increased safety.



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PROFITABLE ENVIRONMENTAL SOLUTIONS