

ROMANIA

LV#7, PETROMAR FIELD

Tubing	2 7/8 in [7.30 cm]
Pump intake	6,306 ft [1,922 m]
Perforations	8,487.5–8310 ft [2,587–2,533 m]
Dynamic pressure	31–35.7 bars [450–518 psi]

Background

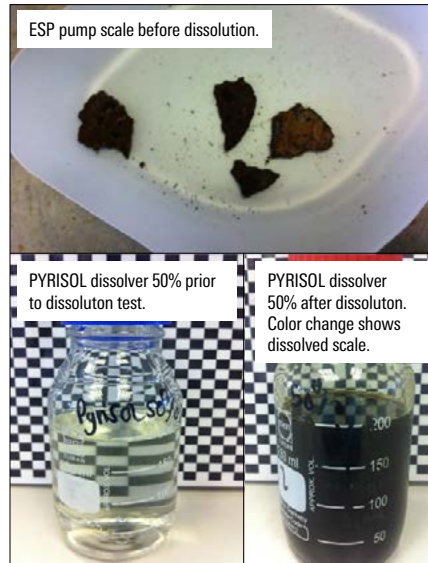
An OMV Petrom well experienced severe scaling deposits in the tubing and ESP, diminishing output by 50% below original levels, while pressure and temperatures increased at the pump intake. Sample analysis revealed the scale was iron sulfide. Schlumberger consequently recommended PYRISOL* iron sulfide scale dissolver. It is a unique alkaline dissolver designed to remove iron sulfide in a more safe and controlled manner without the liberation of H₂S.

Technologies

- PYRISOL iron sulfide scale dissolver

PYRISOL Dissolver helps OMV Petrom Restore Full Production to ESP-Equipped Oil Well, Romania

Iron sulfide scale dissolver removes severe buildup without releasing H₂S, restoring production to original levels within 24 hours



Well Parameters	Prior to treating with PYRISOL dissolver	After treating with PYRISOL dissolver
Production, m ³ /d	50	110
ESP intake temperature, degC	142	113
ESP Intake pressure, bar	142	102

A total of 8 m² of PYRISOL dissolver was circulated at 40 L/min for 24 hours. The estimated total scale removed was about 450–500 kg. ESP intake temperature and pressure returned to normal levels and production was fully restored.

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