

HYDRAULIC FRACTURING - FRACKING

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS

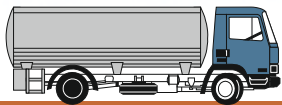
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1

TANKERS DELIVER WATER TO THE WELL SITE, IN PREPARATION FOR MIXING WITH THE NECESSARY CHEMICALS AND SAND PARTICLES.

WATER TANKERS

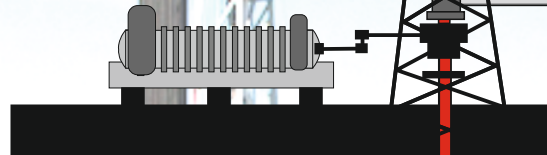


2

INJECTOR PLANT MIXES CHEMICALS, SAND AND WATER, THEN PUMPS THE SOLUTION, AT HIGH PRESSURE, DOWN THE WELL, TO CREATE FRACTURES IN THE SHALE ROCK SEAM.

INJECTOR PLANT

WELLHEAD



3

SHALE GAS COLLECTS AT THE WELLHEAD, PIPED FOR PROCESSING AND CLEANING, BEFORE USE BY INDUSTRY AND HOMES

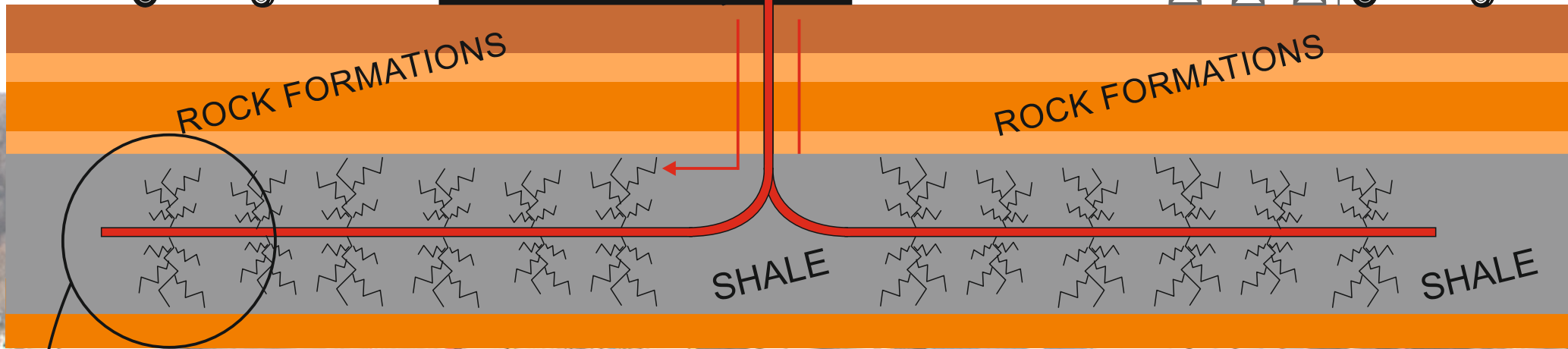
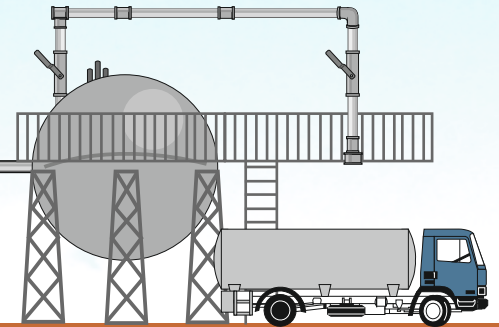
GAS PIPED TO PROCESSING PLANT

RECLAIMED WATER

4

RECLAIMED WATER STORED IN TANKS AND TRANSPORTED TO TREATMENT PLANT.

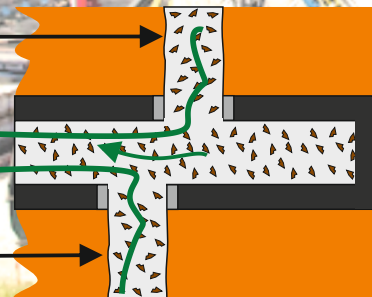
RECLAIMED WATER TO BE CLEANED



FISSURE CREATED BY WATER PRESSURE

NATURAL GAS FLOWS BACK UP PIPELINE

FISSURE CREATED BY WATER PRESSURE



SAND PARTICLES STOP FISSURES CLOSING, ALLOWING GAS TO ESCAPE UP THE PIPELINE TO THE WELLHEAD

FOR MORE INFORMATION ON ENERGY RESOURCES INCLUDING NUCLEAR POWER AND ALTERNATIVE ENERGY FORMS, GO TO:
<http://www.technologystudent.com/energy1/engex.htm>

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