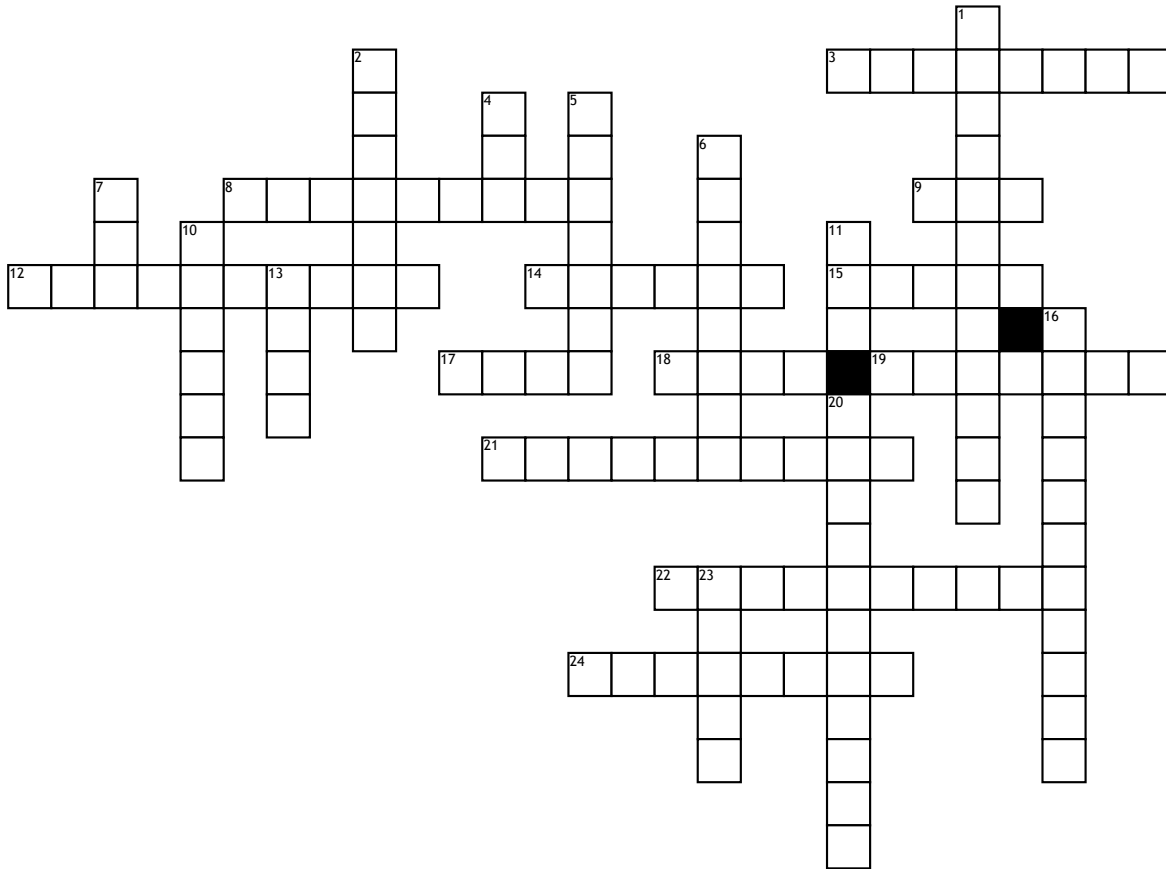


RAB PETROLEUM CROSSWORD 4



Across

3. The surface termination of a wellbore that incorporates facilities for installing casing hangers during the well construction phase
 8. The loss of metal due to chemical or electrochemical reactions, which could eventually destroy a structure
 9. Hydrochloric acid
 12. A low-density, high-API gravity liquid hydrocarbon phase that generally occurs in association with natural gas
 14. A specimen obtained from a specific part of the system for further analysis
 15. separated as a solid phase
 17. An insoluble organic deposit that has low hydrogen content
 18. A particle size term referring to any particle in the size range 44 to 74 microns

19. The lightest and most abundant of the hydrocarbon gases and the principal component of natural gas

21. The flow pattern where two or more fluid phases may be present in a relatively even distribution
 22. The oil fraction with higher content of metals and heteroatoms, higher polarity and molecular weight
 24. Deposits from crude oil that are generally brown solids with waxy aspect

Down

1. The aggregation of small particles of asphaltenes into larger particles before precipitation
 2. Rigid net of water molecules housing, without any chemical bond, guest molecules of another substance
 4. American Petroleum Institute

5. Organic solvent from which asphaltenes precipitate

6. A dispersion of one immiscible liquid into another through the use of a chemical
 7. Total Acid Number
 10. One of the four main components of petroleum, along with asphaltenes, aromatics and saturates
 11. Bottom Simulator Reflector
 13. A method for characterization of heavy oils based on fractionation based on solubility
 16. Product of the reaction between crude oil naphthenic acids and water sodium or calcium ions
 20. The preference of a solid to contact one liquid or gas, known as the wetting phase, rather than another
 23. Hard deposits made of inorganic material present in water phase