

MAJOR UNDERTAKEN RESEARCH AND DEVELOPMENT PROJECTS

1. "MOREOIL , Evaluation of the Miscible Gas Injection In Oil Reservoirs by Monitoring the Asphaltenes Concentration", Funded by: EU
2. "ANAXIMANDER, Exploration and Evaluation of the Eastern Mediterranean Sea Gas hydrates and the Associated Deep Biosphere". Funded by : EU
3. "Experimental study and modeling of GH formation conditions and migration mechanisms in marine sediments and the associated release of the enclathrated gas in marine environment" Funded by: European Social Fund & National Resources EPEAEK II _ PYTHAGORAS.II.
4. "Hydrate Autoclave Coring Equipment System" Funded by: EU, Sustainable Marine Ecosystems MAST3 (EVK3-2000-00549).
5. "Study of the influence of mineralogy and overburden pressure on the phase behavior and formation kinetics of structure II gas hydrates contained in marine sediments." Funded by: EU Research Access to the European infrastructure for energy reserve optimization, EIERO.
6. Development of a set of ANN models to predict the volumetric ratios and the physical properties of the phases flowing through the Vx multiphase flowmeter. Funded by Schlumberger
7. Development of a set of ANN models to predict rapidly and accurately the equilibrium ratios (k-values) during a compositional reservoir simulation. Funded by KAPPA
8. Development of an ANN model to predict the PVT properties of the MDT/OFA downhole samples. Funded by Schlumberger
9. Development of a fully automated data processing system for gas chromatographs based on machine learning methods. Funded by Schlumberger
10. Development of a method to estimate the shrinkage factor range for recovered reservoir fluid samples. Funded by Schlumberger
11. Experimental measurements and testing of core plugs recovered by the Epsilon-1 well. Funded by Energean.
12. SARA Analysis of solid deposits and crude oil from the Prinos field well PA-35. Funded by Energean
13. "Increase of the domestic capacity recycling used mineral oils" Funded by: General Secretary of Research and Technology
14. "Development of a neural network model for the determination of PVT properties of hydrocarbon fluids" Funded by: Schlumberger
15. "Feasibility study for the determination of the mud filtrate contamination of reservoir fluid samples" Funded by: OILPHASE

16. "Development and pilot application of a completed system for the optimization of lubricants production in the refinery of MOTOR OIL Hellas" Funded by: General Secretary of Research and Technology
17. "Experimental study of the fluid properties of the exploratory well Epsilon-1", Funded by: KAVALA OIL
18. "Physical bioremediation of organic pollutants in the subsoil and in water reservoirs" Funded by the General Secretary of Research and Technology
19. "Determination of reservoir wettability. Study of surface effects in oil-water-rock systems and of their effect in oil production". Funded by: Research Committee , Technical University of Crete
20. "Geochemical study of the oil produced in exploratory well PN-2 in North Prinos reservoir". Funded by: Wintershall AG, Kassel
21. "Experimental study of the rock properties of the exploratory well PN-2 in North Prinos reservoir", Funded by: North Aegean Petroleum Corporation (NAPC)
22. "Experimental study of the fluid properties of the exploratory well PN-2 in North Prinos reservoir", Funded by: North Aegean Petroleum Corporation (NAPC)
23. "Experimental and theoretical study of the behaviour of gas condensates PVT mixtures fluid properties in the North Sea", Funded by: Delft University
24. "Evaluation of the fluid of the production well PN-2 in North Prinos reservoir", Funded by: North Aegean Petroleum Corporation (NAPC)
25. "Experimental study of asphaltenes composition and development conditions for the oil produced in North Prinos reservoir", Funded by: North Aegean Petroleum Corporation (NAPC)
26. "Development of a novel process for seawater desalination and condensation of water solutions and waste water effluents by using GH".
Funded by: European Social Fund & National Resources EPEAEK II _ ARCHIMIDIS II.
27. Evaluation of all the PVT reports issued for the Prinos Reservoir. Funded by North Aegean Petroleum Corporation (NAPC)