

| Unconventional Reservoir Evaluation | | | | | |
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| 교육목적 | ○ The main purpose of this course is to provide evaluation training of shale reservoir to geologists, petrophysics and engineers, who are interested in learning the techniques for characterizing shale reservoirs and the parameters. | | | | |
| 교육일시 | 9.10 ~ 9.14 | 교육시간 | 40H | 강사 | E&P기술처 4급 양병천 |
| 교육인원 | 20명 내외 | 평가방법 | 출석 및 형성평가 | 교육장소 | 석유공사 회의실 |
| 교육 상세내용 | | | | | |
| 교육내용 | <ul style="list-style-type: none"> ▪ Introduction to self-contained petroleum system ▪ Shale gas system ▪ Maturity and HC generation ▪ Evaluation processes ▪ Routine Core Analysis ▪ What is shale oil? ▪ Heterogeneous characteristics in shales ▪ Where organic-rich mud is deposited? ▪ TOC preservation potential ▪ When organic-rich muds are deposited ▪ Pore systems in shales ▪ Importance of natural fracture system in shale reservoir ▪ Variability of organic matter (kerogen type) ▪ Maturity change ▪ Rock Eval Pyrolysis I ▪ Rock Eval Pyrolysis II ▪ Importance of Stress ▪ Rock mechanical properties in shales ▪ Rock Brittleness (Static vs. Dynamic) ▪ Conventional vs. unconventional characteristics in well logs ▪ Petrophysical characteristics in shale reservoir ▪ Fluid and proppant tests ▪ Basic concept of hydraulic fracturing ▪ Post frac evaluation and production trends | | | | |