

Public Customized Training Course on 'How to Evaluate Unconventional Resource Plays and How to Find Sweet Spot'

(Venue : Mirinae room)

Date/Time	Program Description	Remarks
3.9 (Mon) 09:50-10:00	Registration and orientation	IS-Geo
3. 9 (Mon)	Shale Reservoir Evaluation: Overview	
10:00-11:00	Introduction to self-contained petroleum system	Dr. Byongcheon Yang
11:10-12:10	Shale gas system	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	Maturity and HC generation	
14:40-15:40	Evaluation Processes	
15:50-16:50	Routine Core Analysis	
17:00-18:00	What is shale oil?	
3.10 (Tue)	Shales: Geology and Petrography	
10:00-11:00	Heterogeneous characteristics in shales	Dr. Byongcheon Yang
11:10-12:10	Where organic-rich mud is deposited?	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	TOC preservation potential	
14:40-15:40	When organic-rich muds are deposited	
15:50-16:50	Pore systems in shales	
17:00-18:00	Importance of natural fracture system in shale reservoir	
3.11 (Wed)	Geochemistry and Geomechanics	
10:00-11:00	Variability of organic matter (kerogen type)	Dr. Byongcheon Yang
11:10-12:10	Maturity change	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	Rock Eval Pyrolysis I	
14:40-15:40	Rock Eval Pyrolysis II	
15:50-16:50	Importance of Stress	
17:00-18:00	Rock mechanical properties in shales	
3.12 (Thu)	Petrophysics and Engineering	
10:00-11:00	Rock Brittleness (Static vs. Dynamic)	Dr. Byongcheon Yang
11:10-12:10	Conventional vs. unconventional characteristics in well logs	
<i>12:10-13:30</i>	<i>Lunch</i>	
13:30-14:30	Petrophysical characteristics in shale reservoir	
14:40-15:40	Fluid and proppant tests	
15:50-16:50	Basic concept of hydraulic fracturing	
17:00-18:00	Post frac evaluation and production trends	

※ The working language is Korean.