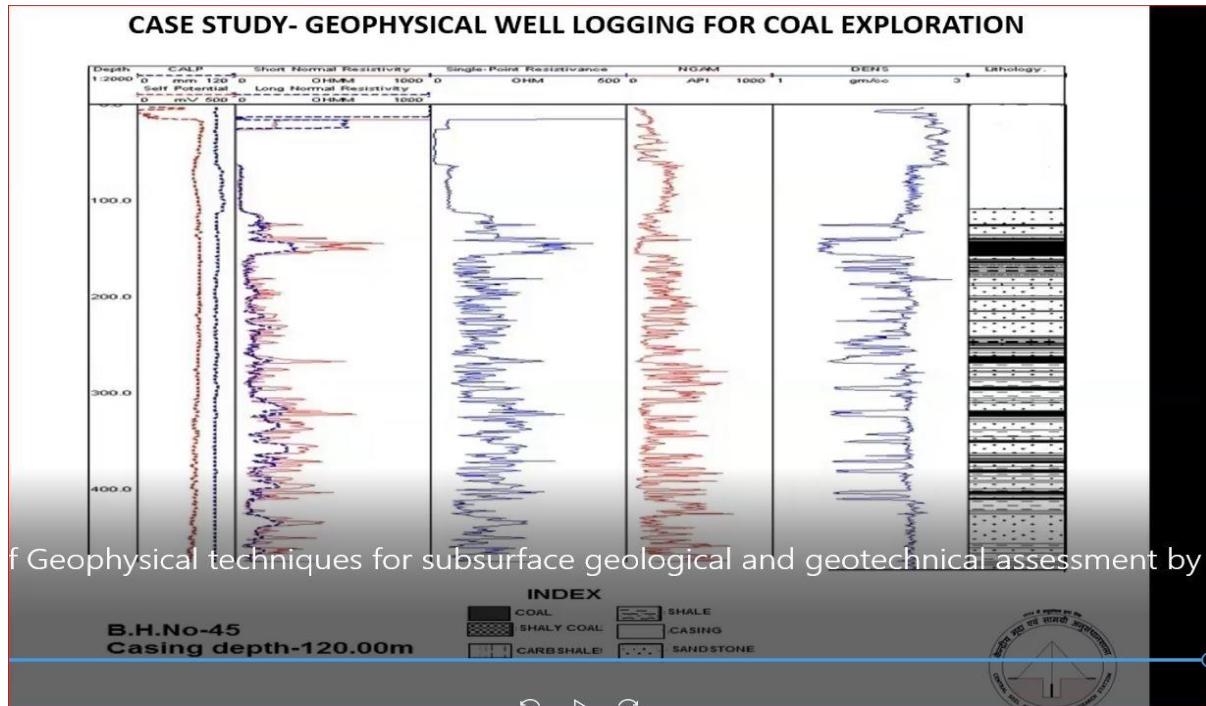


आजादी का अमृत महोत्सव (India@75) कार्यक्रम के दौरान दिनांक 13.12.2021 को "उपसतह भूवैज्ञानिक और भू-तकनीकी मूल्यांकन के लिए भूभौतिकीय तकनीकों का अनुप्रयोग" के विषय पर डॉ. श्रीनैय्या जक्कुला, वैज्ञानिक 'बी' द्वारा ऑनलाइन वेबिनार दिया गया [#आजादीकाअमृतमहोत्सव](#)



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PROCESSING STEPS

Raw data
Data Conversion
Field Setup
Muting
Filtering
Dispersion Analysis
Inversion
S-Velocity (Vs) Profile

Raw Data

Processed Data

➤ Analysis of surface waves involves three steps:

1. Acquisition of ground roll data
2. Construction of dispersion curve (a plot of phase velocity versus frequency) and
3. Inversion of the Vs profile from the calculated dispersion curve.

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SEISMIC REFRACTION

Principle of seismic refraction method

a

b

c

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ELECTRICAL METHODS

- Resistivity survey
 - Profiling - Lateral
 - Sounding – depth
- Resistivity imaging

Wenner array

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