

GROUP 'A'

Group Members

Masood Abdali

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Syed Zeeshan Ahmed

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Sherif Fayed

Shoaib Farooqui

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Back Ground

Geologist / Drilling

Petroleum Engineering

Completions

Petro-physicists

Exploration / Research

Drilling Fluids

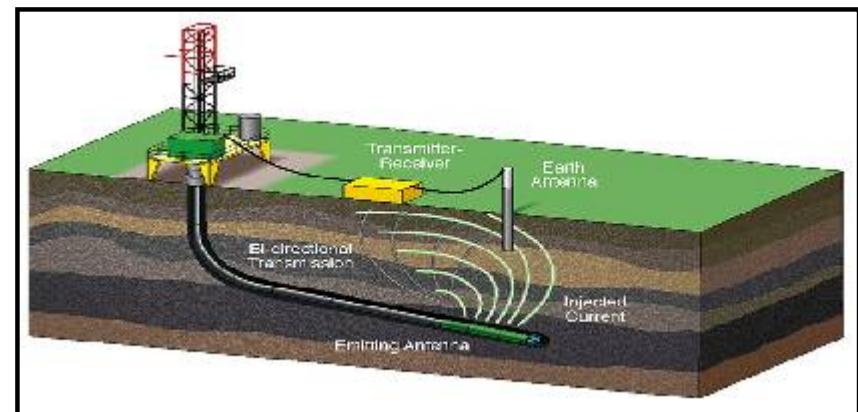
WireLine Logging

Drilling

Drilling / Fluids

ISSUES & THEIR SOLUTIONS

- ❑ Some techniques and technologies not tested in Pakistan
 - Radial Drilling => Cost Effective, min. exposure to reservoir
 - Use of Multilateral/Multifracs
 - Improved Drilling Techniques
 - ❑ Use of non reservoir damaging fluids (RDF)
 - ❑ Use new bit design to improve ROP
 - ❑ Good Hydraulics are necessary for TGR



ISSUES & THEIR SOLUTIONS

- Good Experienced man power not available
 - Training / Development
 - Technology / Expertise transfer
 - Brain Drain
 - Strengthen the Academia

ISSUES & THEIR SOLUTIONS

- Data not available to measure the overall potential
 - Change the mindset of operators
 - Share data to map the volume
 - More open forums with free flow of information

ISSUES & THEIR SOLUTIONS

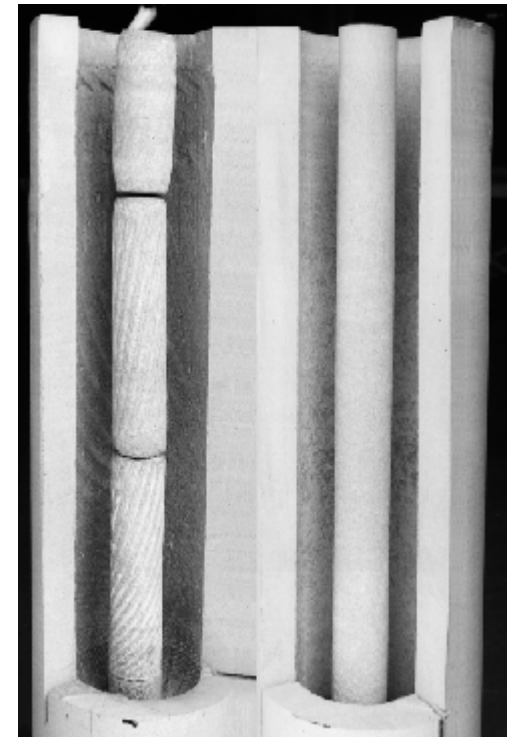
- High Temperature and Pressure equipment not readily available
 - Operators can share the cost with the combine campaign
 - Planning and coordination among the operators for timely implementation



ISSUES & THEIR SOLUTIONS

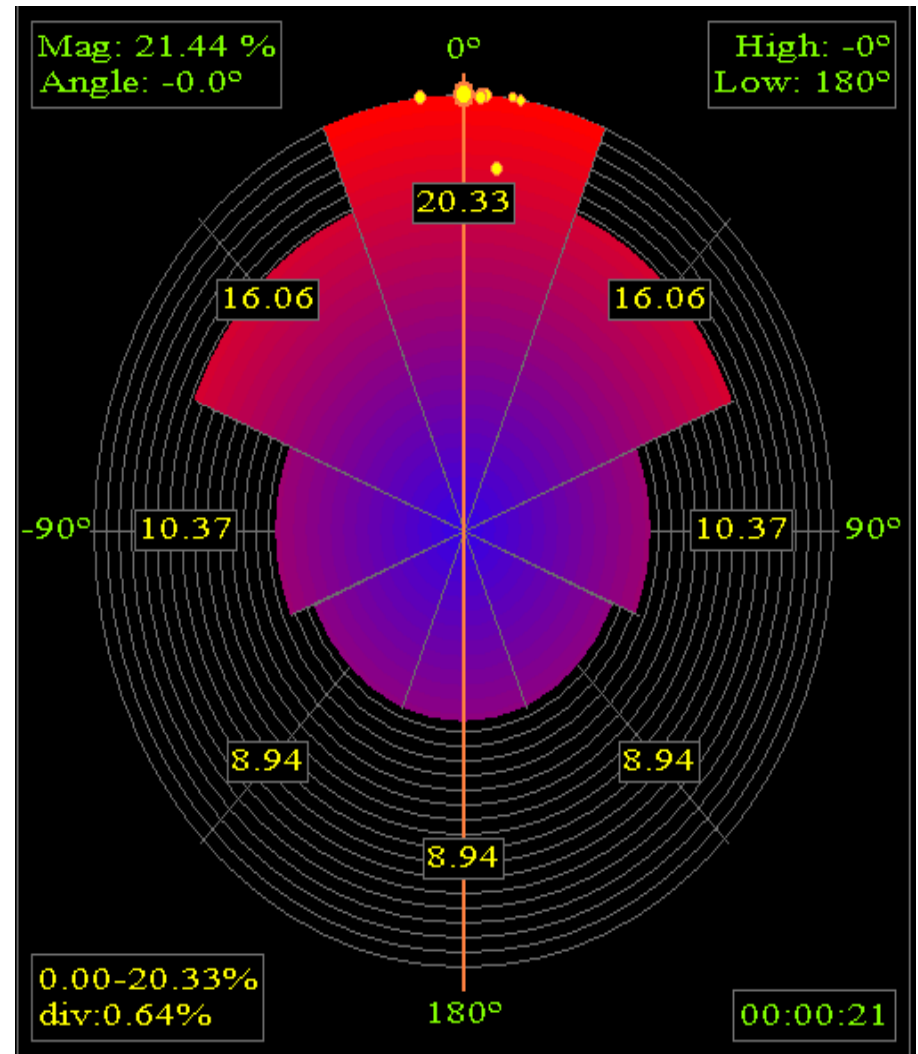
□ Thin Sands

- Geosteering Technology should be utilized with improvements
- Precise Well Bore Positioning
- Reservoir Evaluation is also important
 - Core
 - Logs
 - MDT



ISSUES & THEIR SOLUTIONS

- R & D Lacking
 - Improve Academia industry partnership
 - Industry support for R & D



ISSUES & THEIR SOLUTIONS

- Well Placement for Sweet Spot
 - Challenge for National Oil Company to take lead
 - Tax Holidays



ISSUES & THEIR SOLUTIONS

- Lack of Perception
 - More and More open forums should be organized

- Lack of Confidence by Operators
 - More relevant case histories should be available
 - Exchange of Experts
 - No pain no gain



Thank You