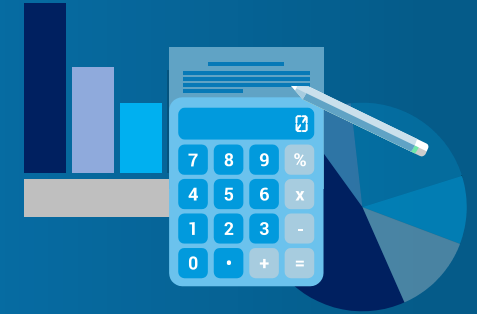
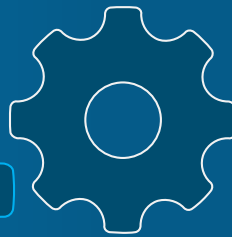
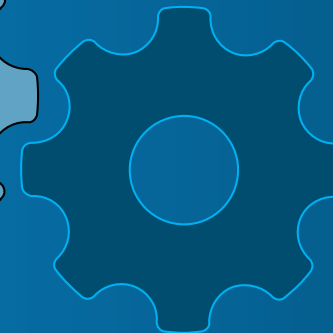
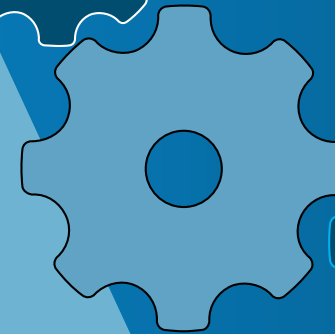
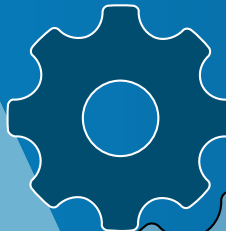
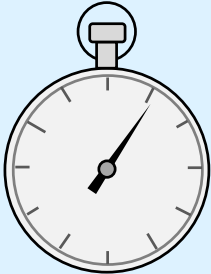




Unlocking GPC's NEW PLAYS, the Road to Produce 15 MMSTB cumulative production from Brownfields



seepage



1859

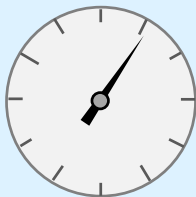


PARADOXs

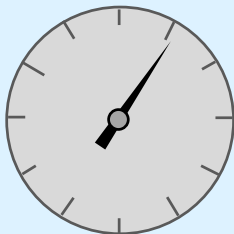
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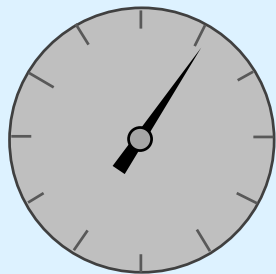
Technology



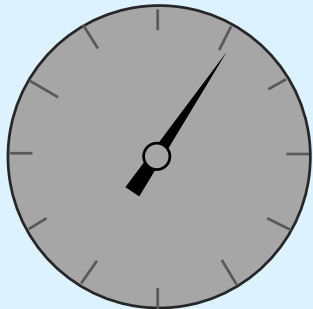
Gravity



2D seismic

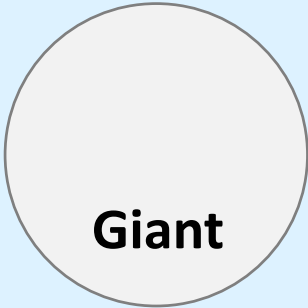


3D seismic
TC logs

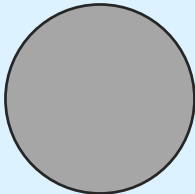
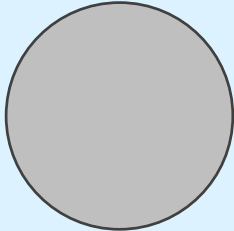
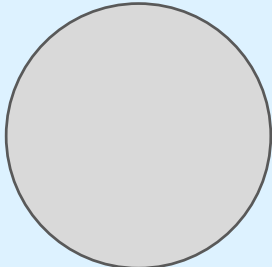


Multi azimuth seismic
4D seismic, NMR, Image

Field size

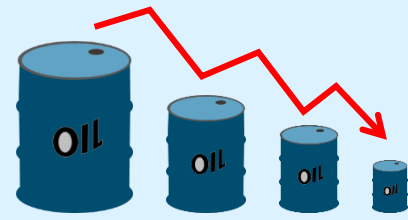


Giant





Wildcat



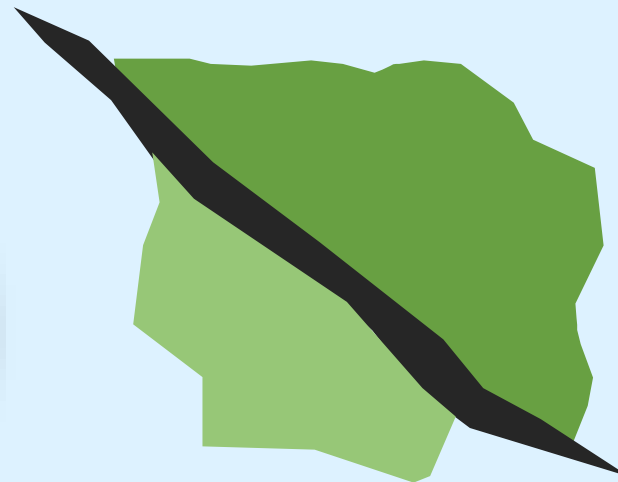
Production enhancement

Brown field profit

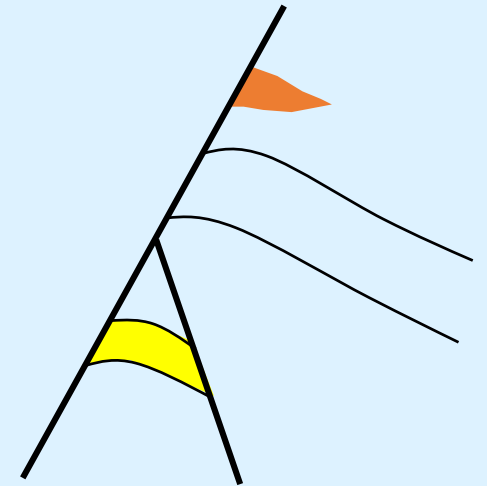


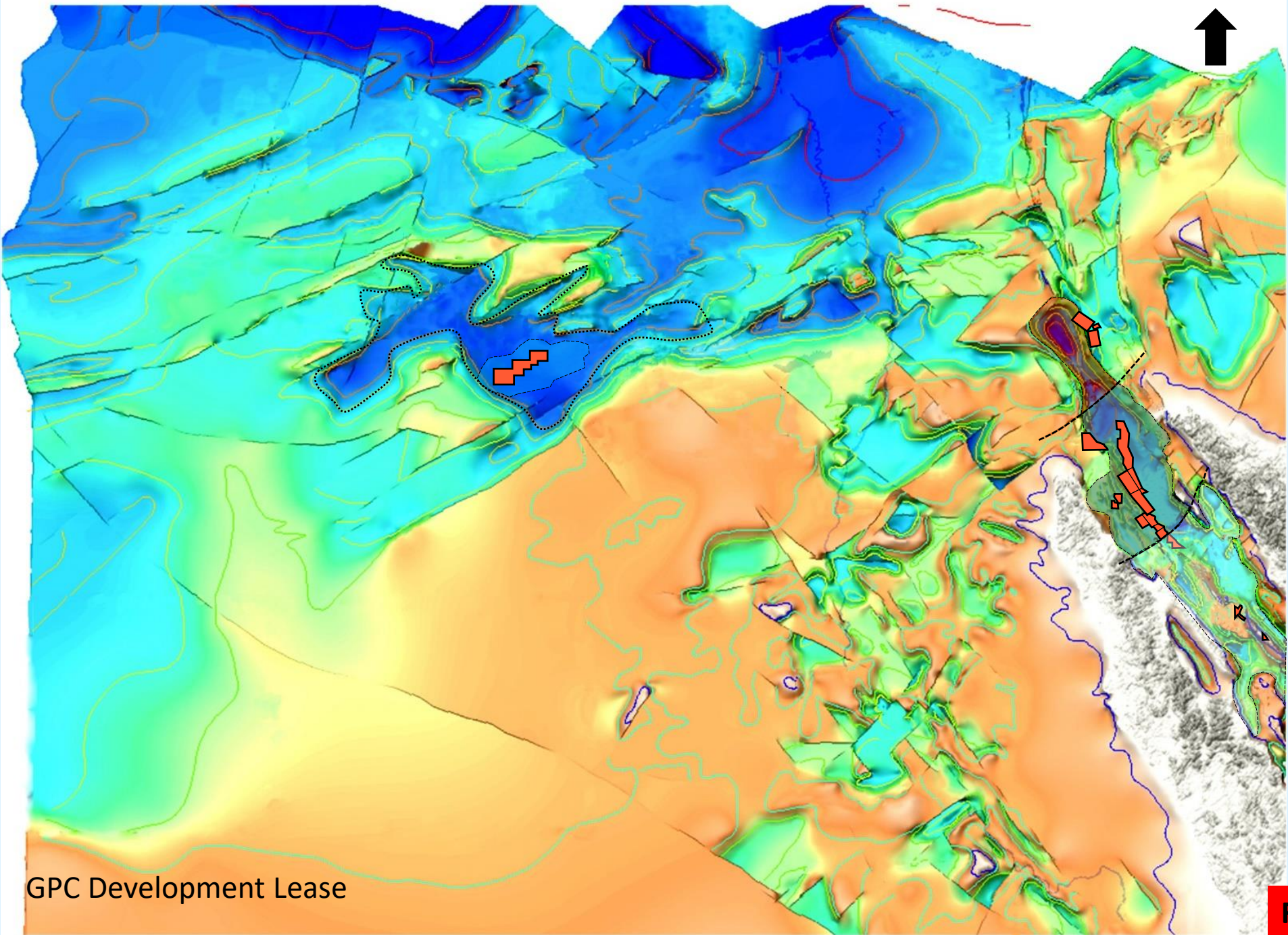
Field
extension

Exploration

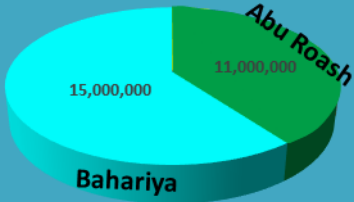


New
target



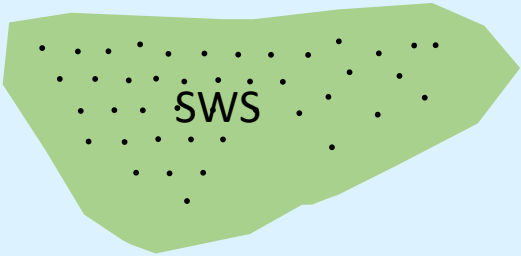
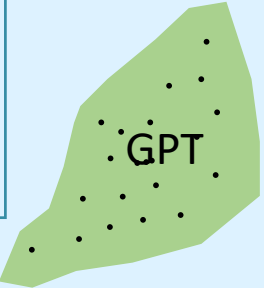
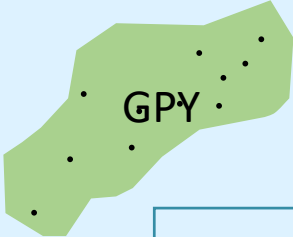


Abu Sennan hosts three Brownfields

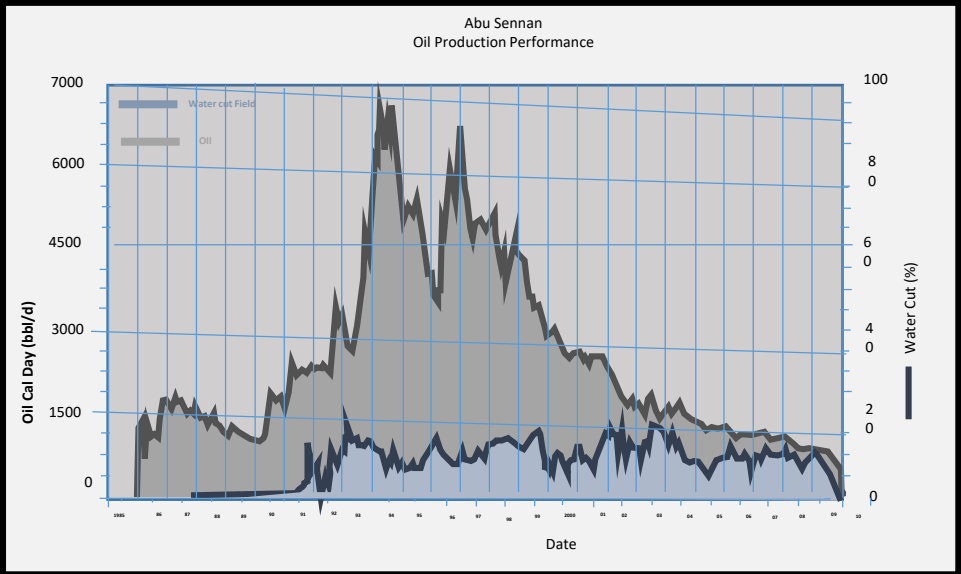


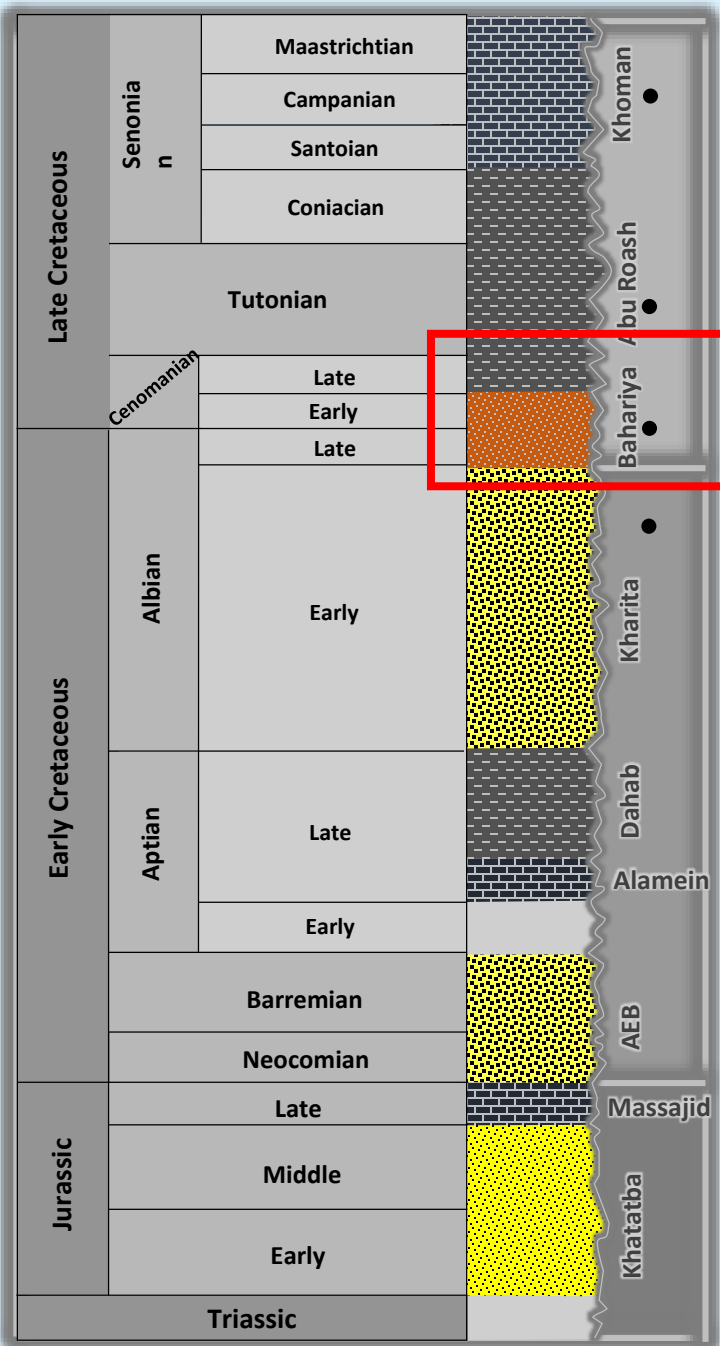
This giant field produced 26 MMSTB as cumulative production

SWS is the highest in production performance

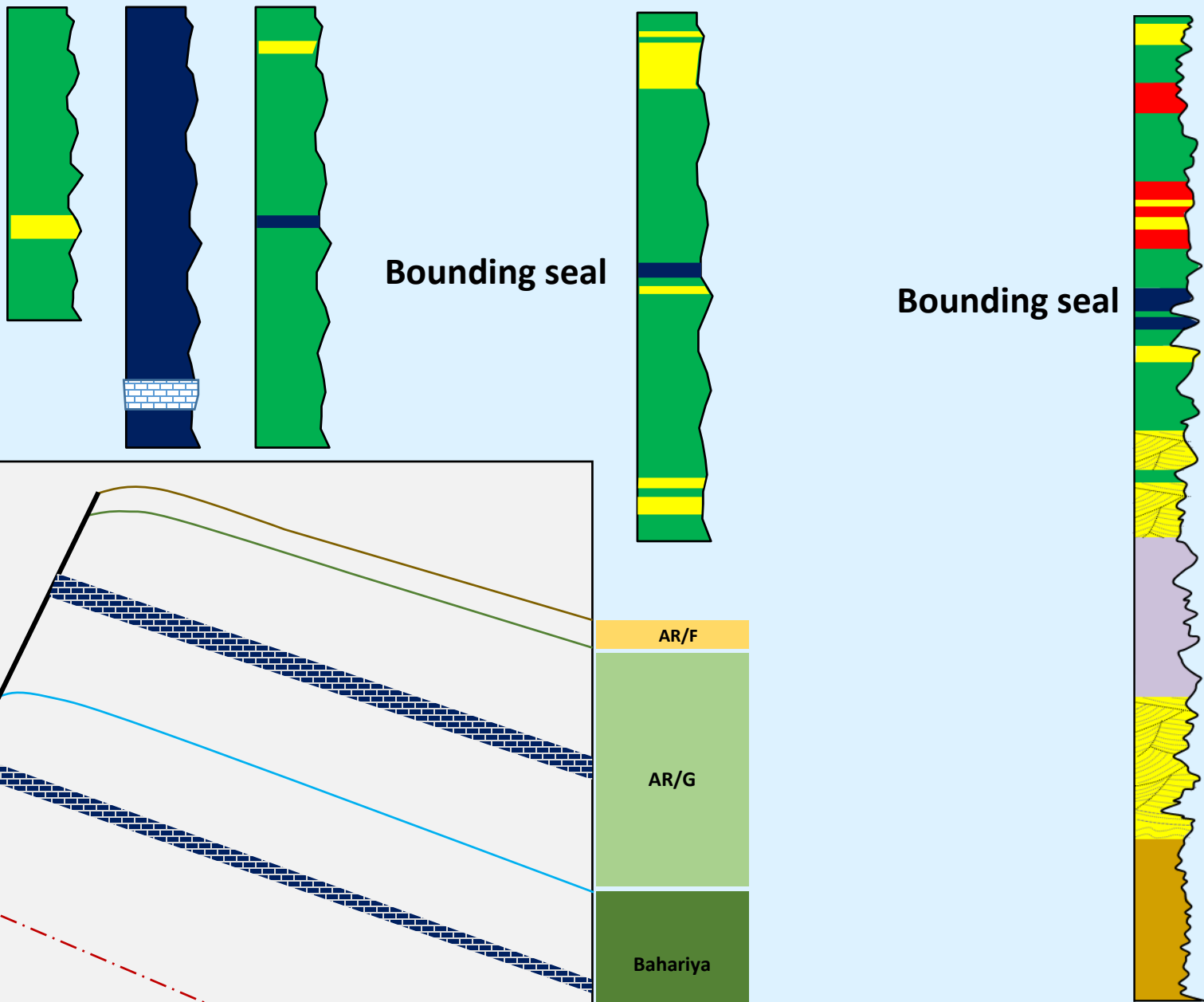


In 2010 the production declined to 700 bbl/d before revisiting





Major bounding seal not top of Formation or Member



HF35/4

22-Mar-13

HF35/5

28-Apr-13

HF35/7

30-Jan-14

Production Correlation not Exploration

360 m

Multi-scale
bounding seal

NPHI

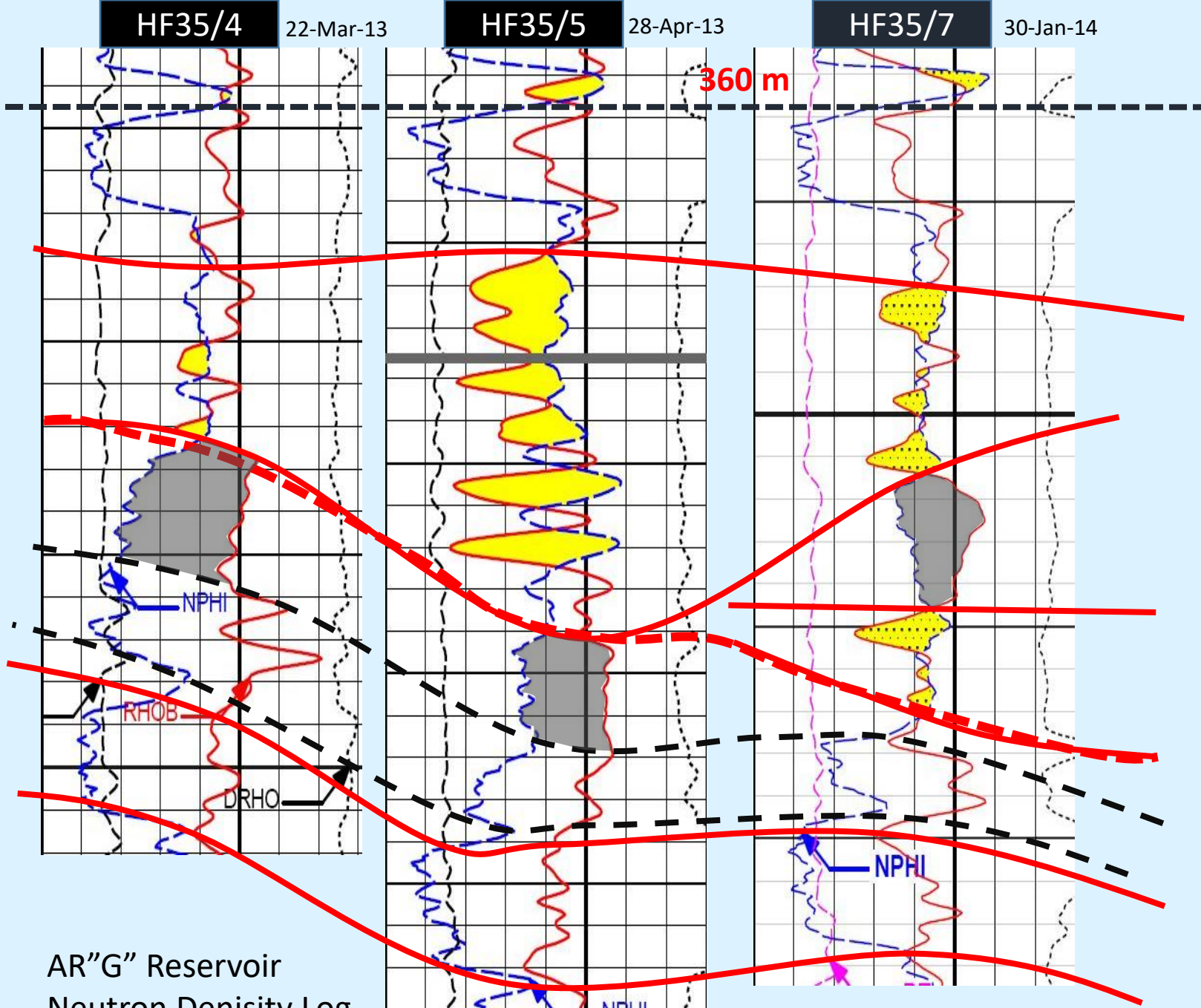
RHOB

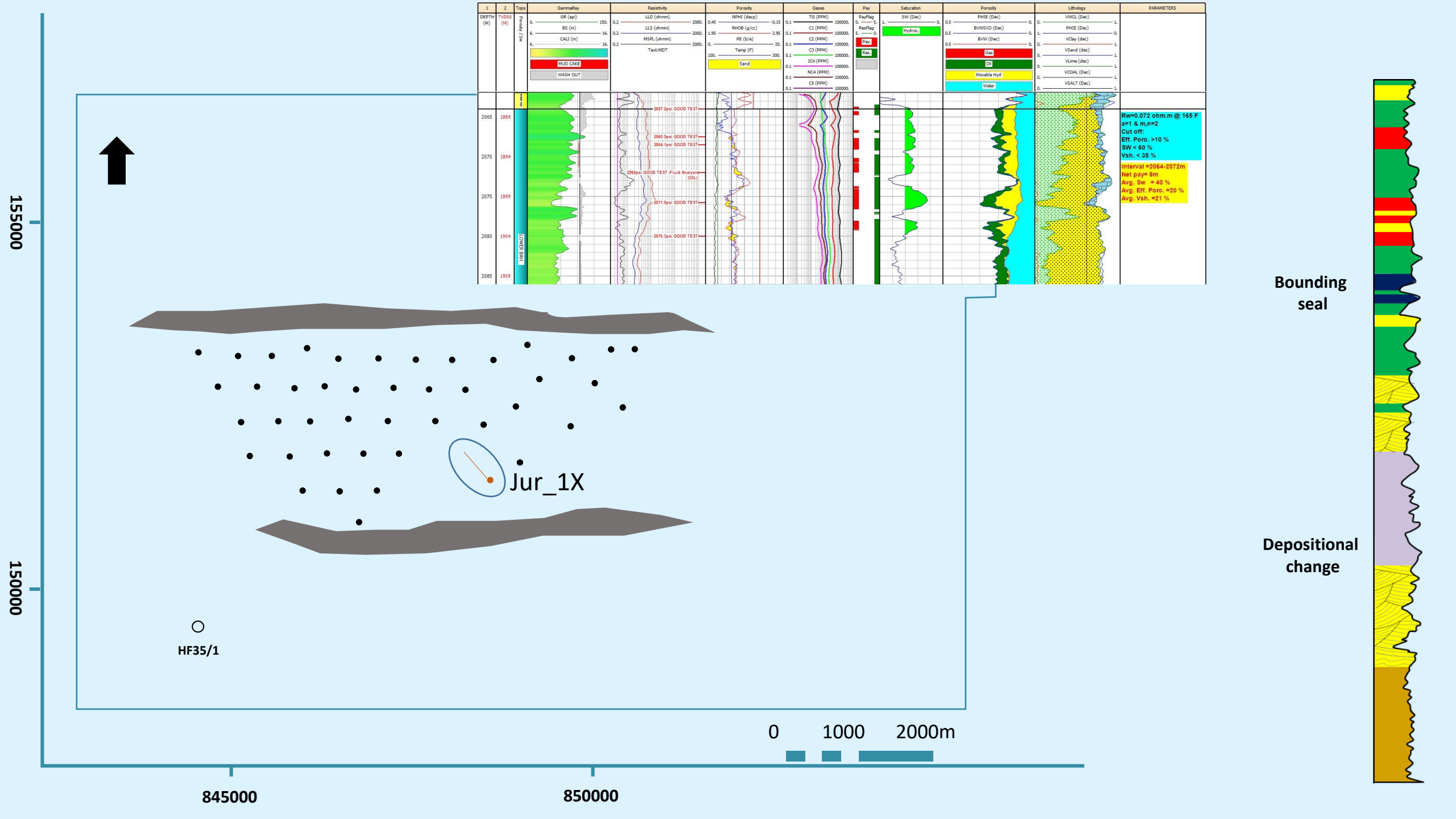
DRHO

NPHI

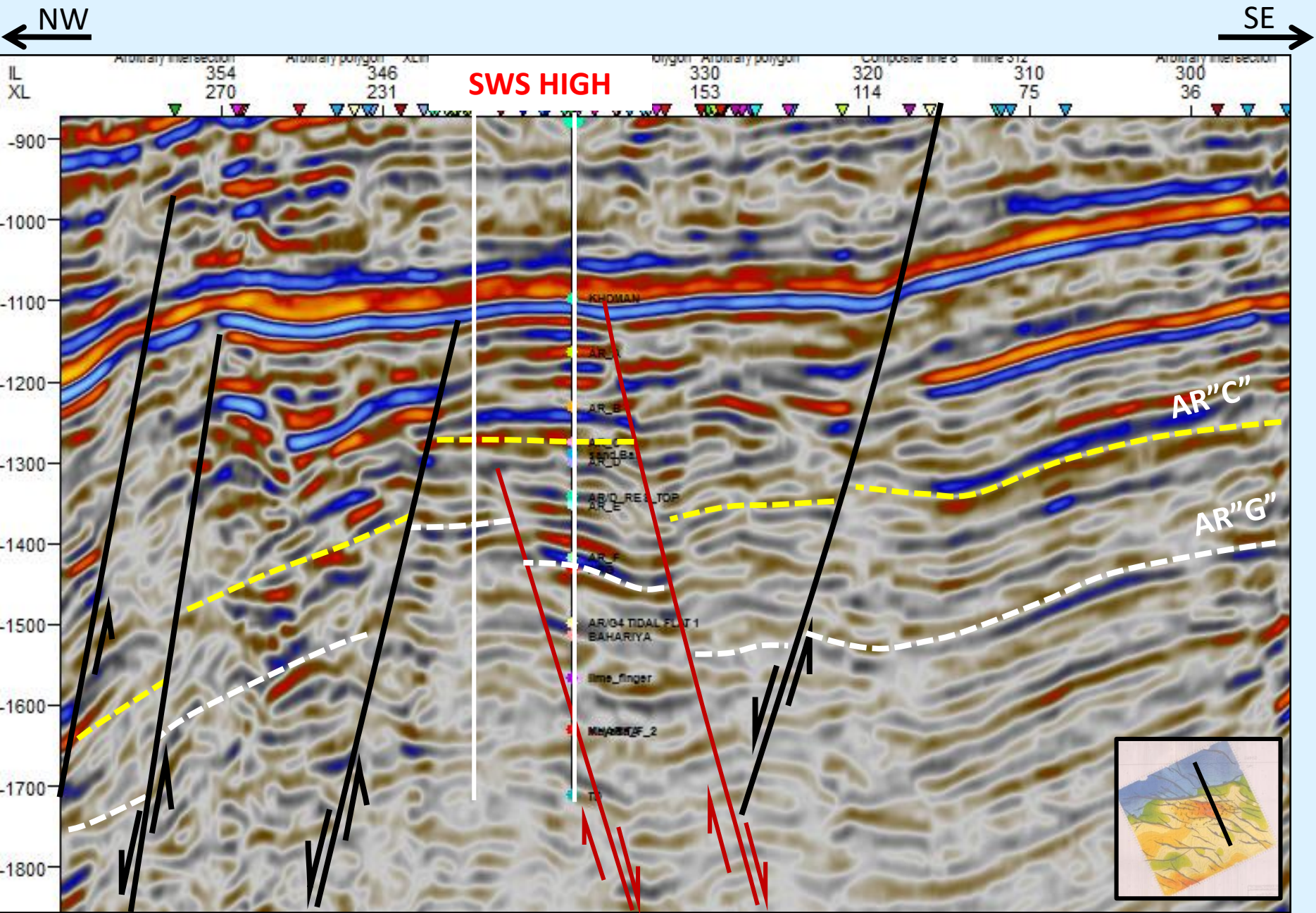
AR"G" Reservoir
Neutron Density Log
Response

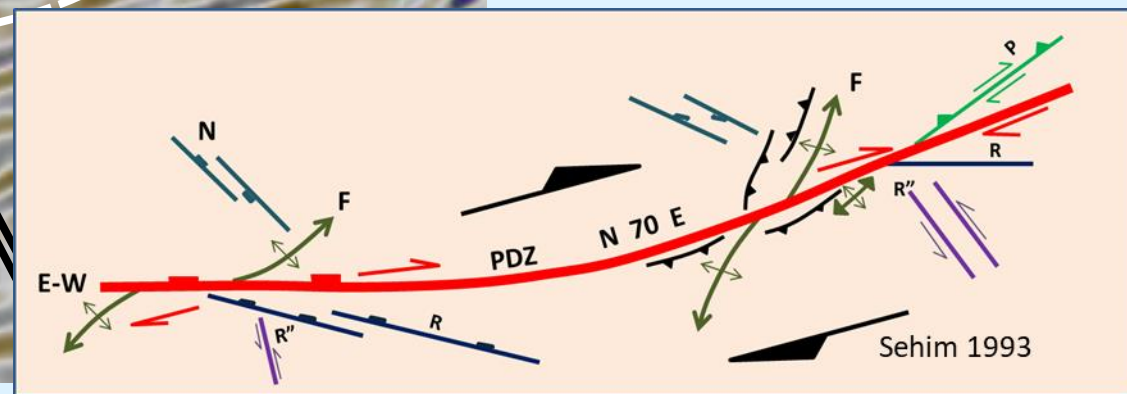
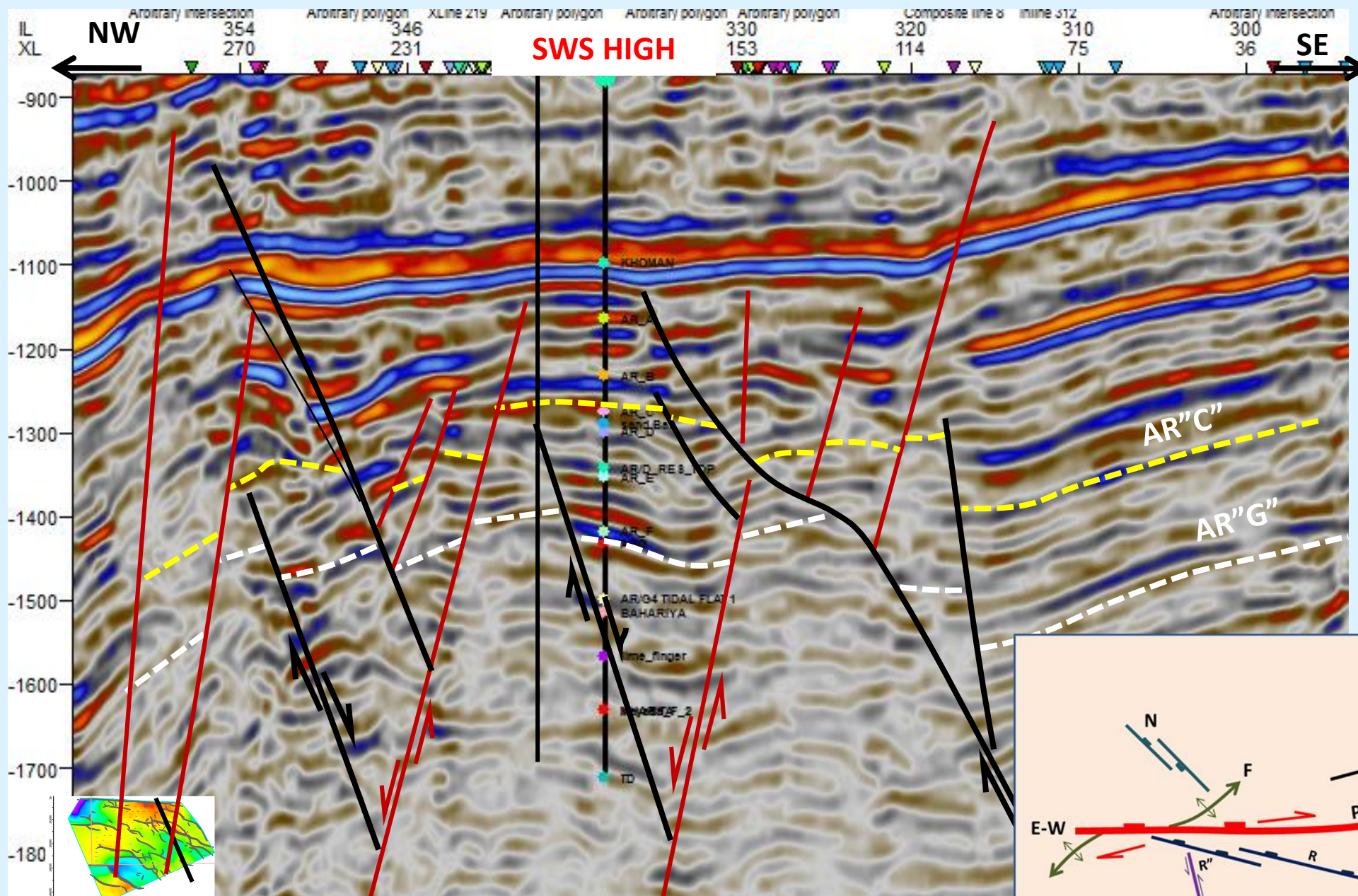
Classical Correlation Between three wells



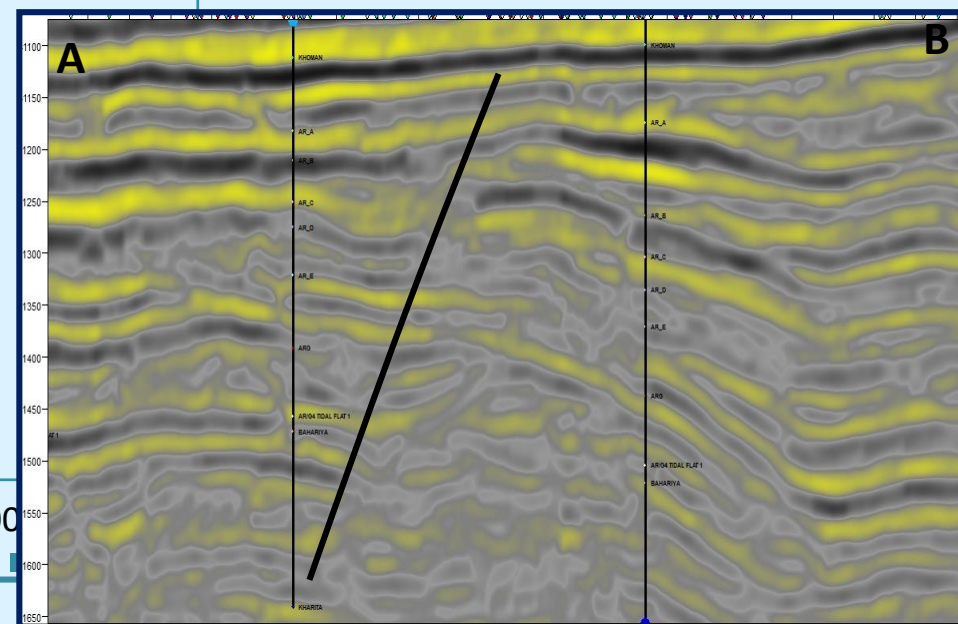
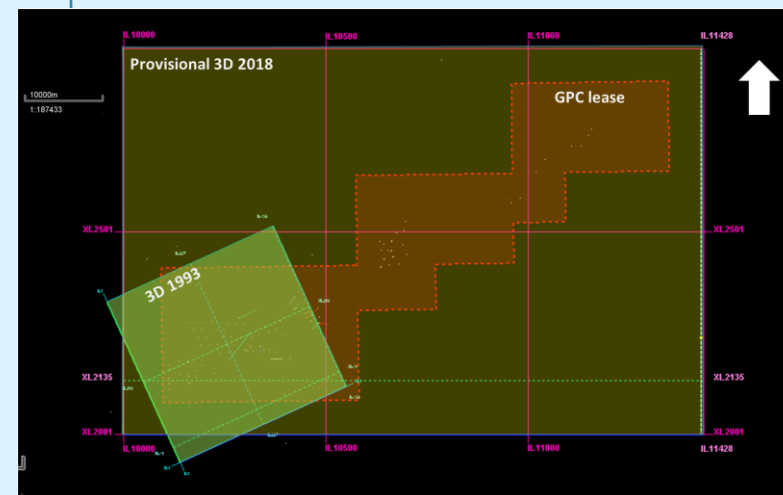
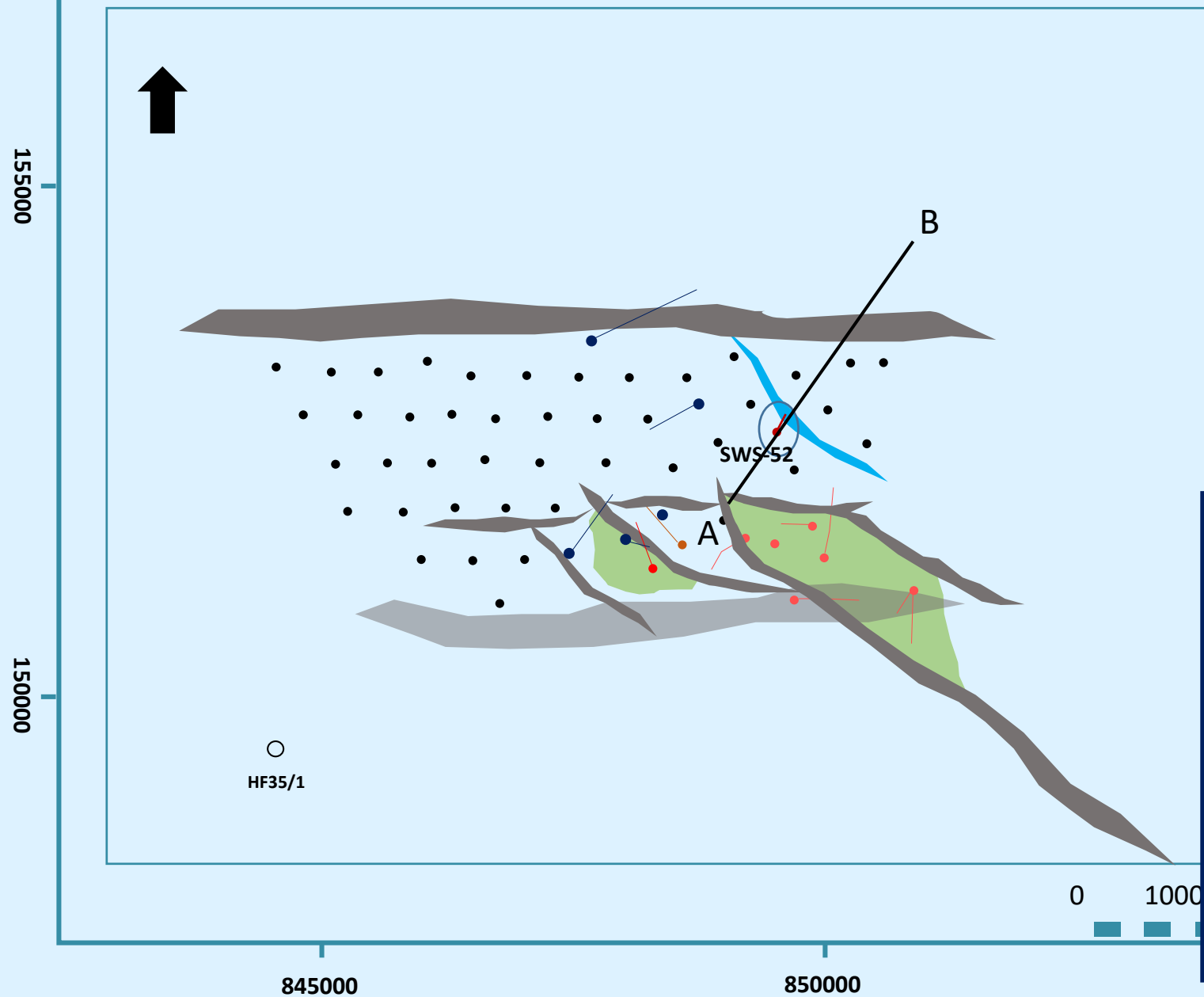


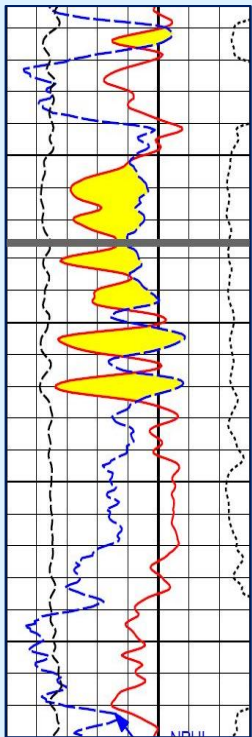
Fault Geometry (thickness of reservoir)



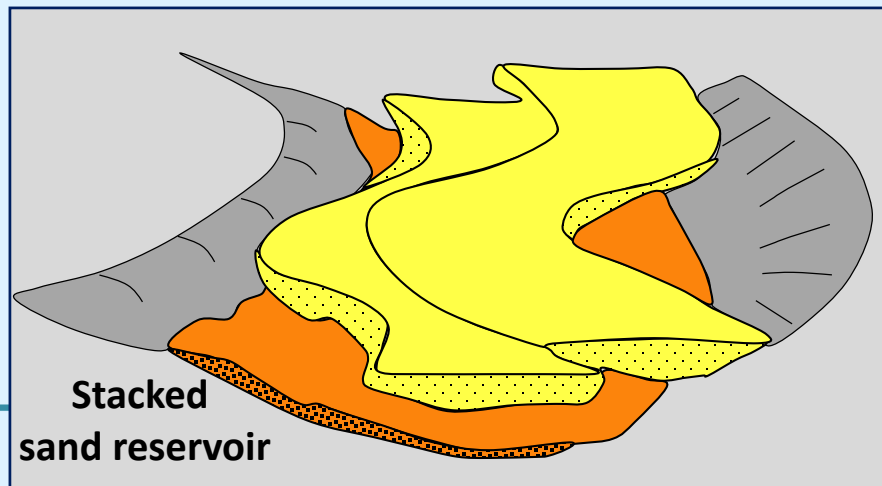


Trend of faults not azimuth





FMI



155000

150000

HF35/1

0 1000 2000m

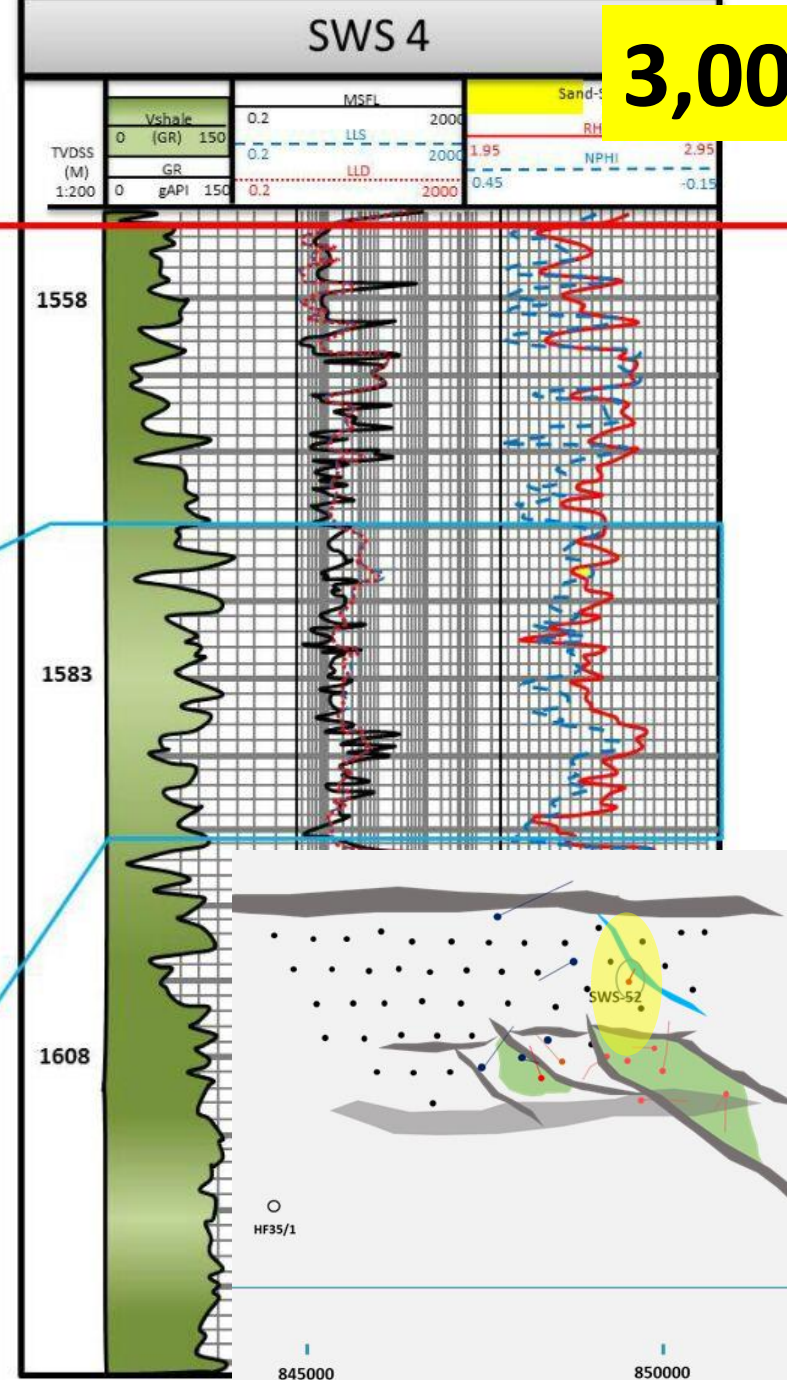
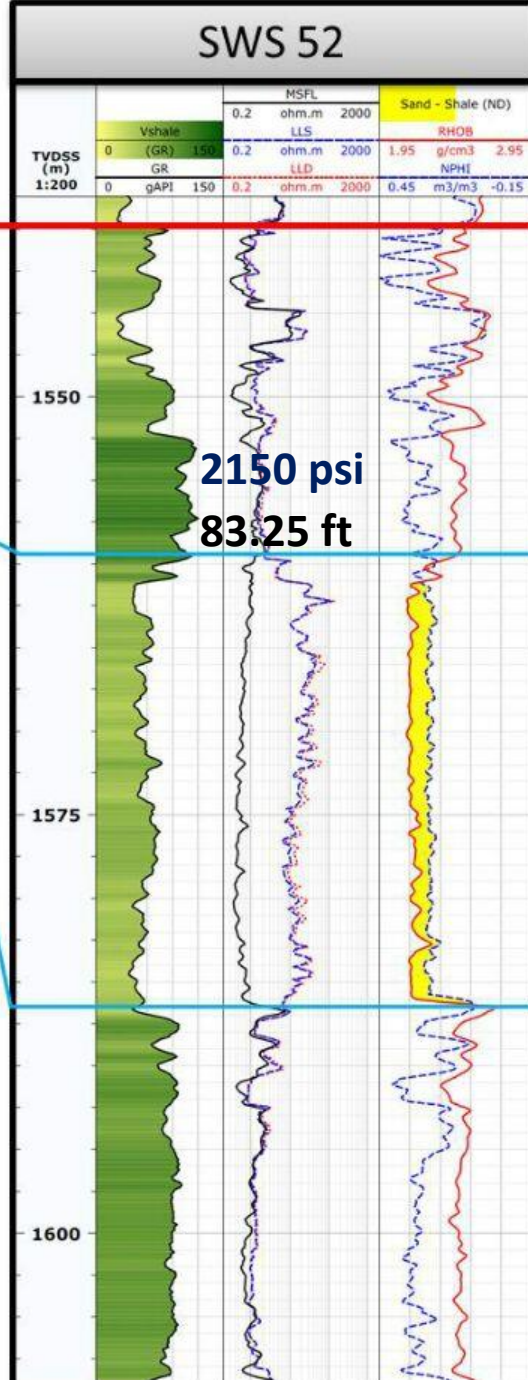
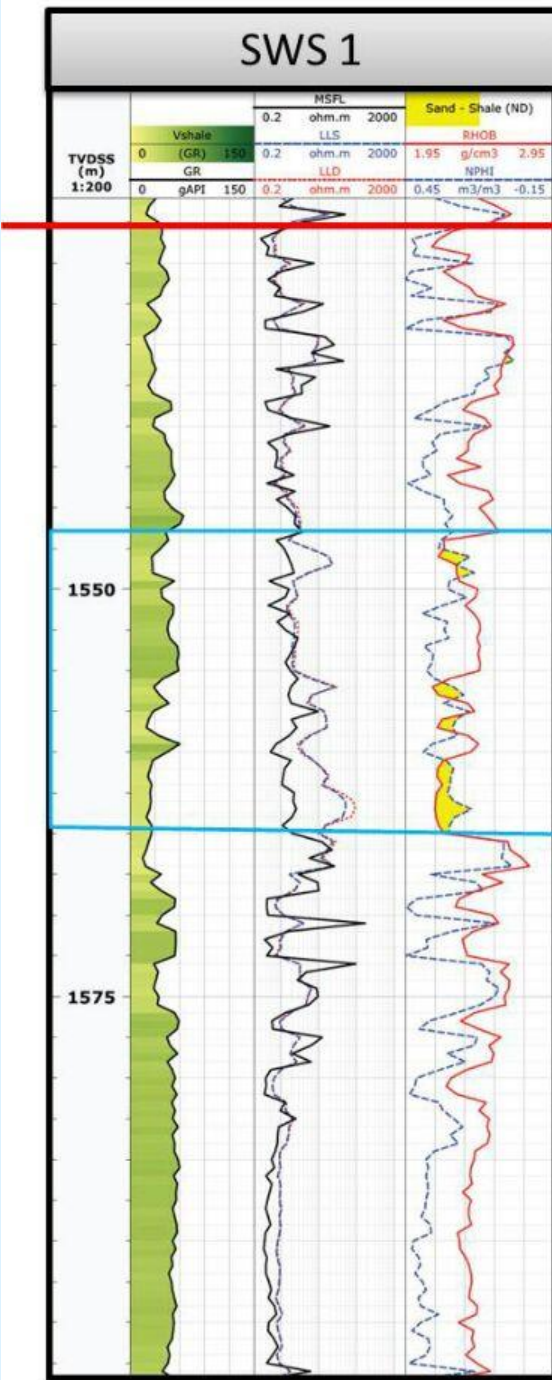


845000

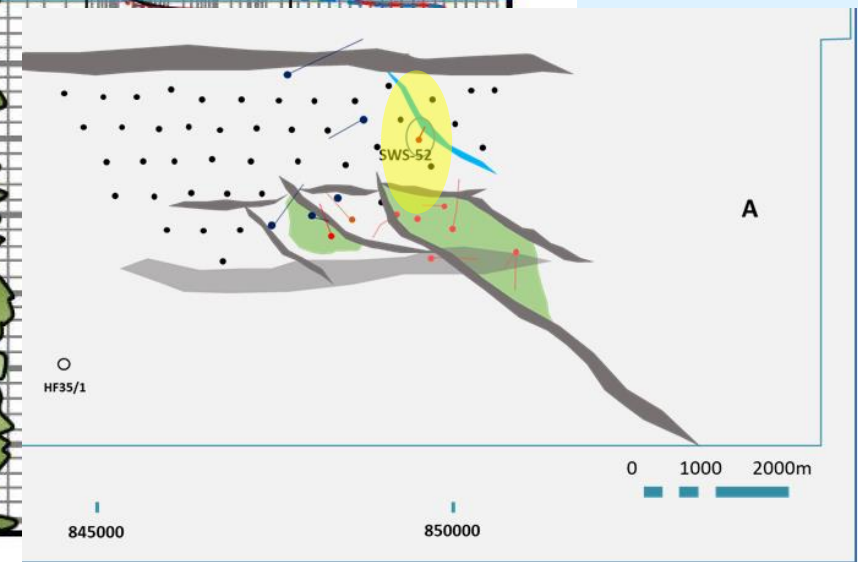
850000

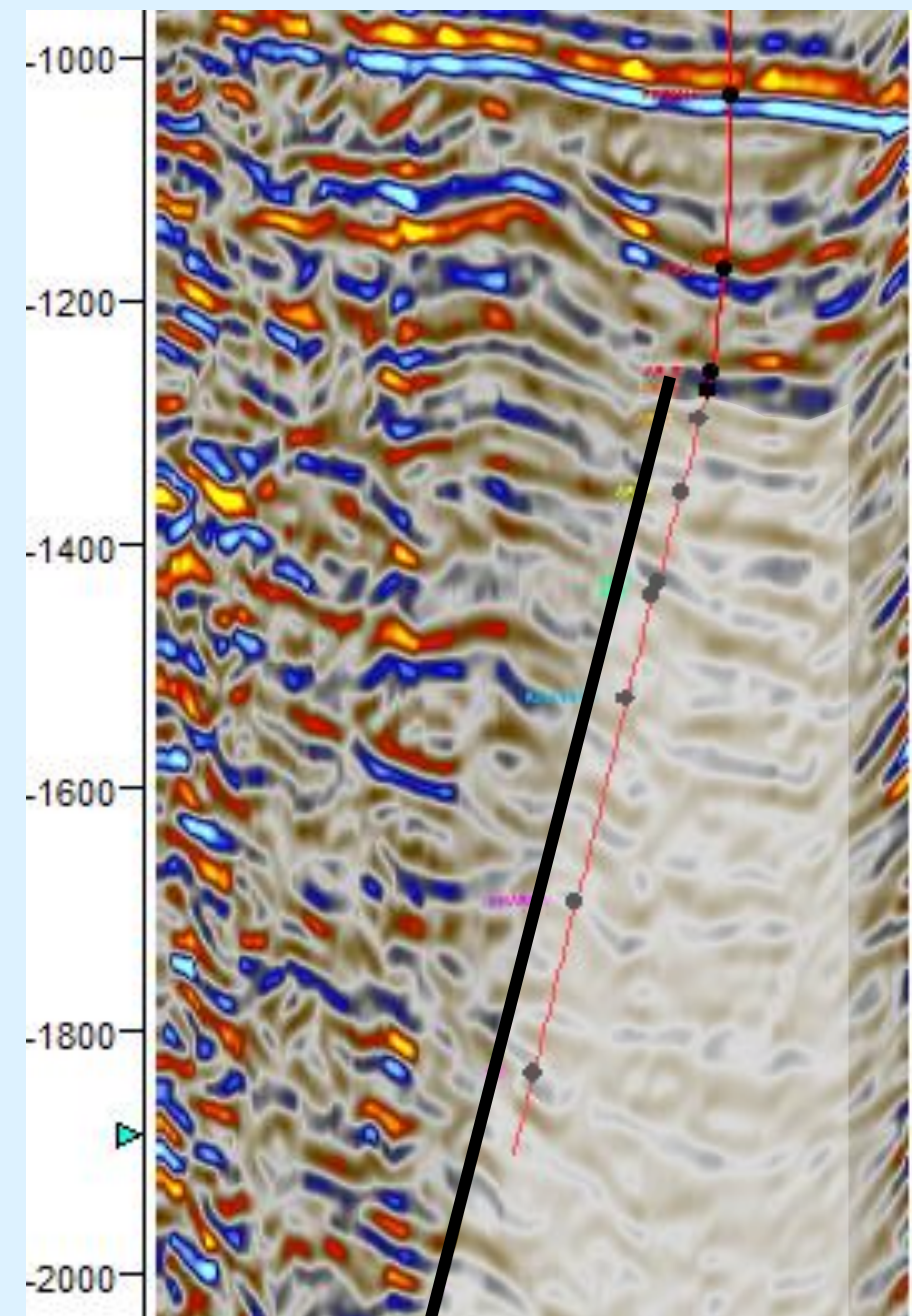
Influx of
sand direction

2150 psi



3,000 bbl/d

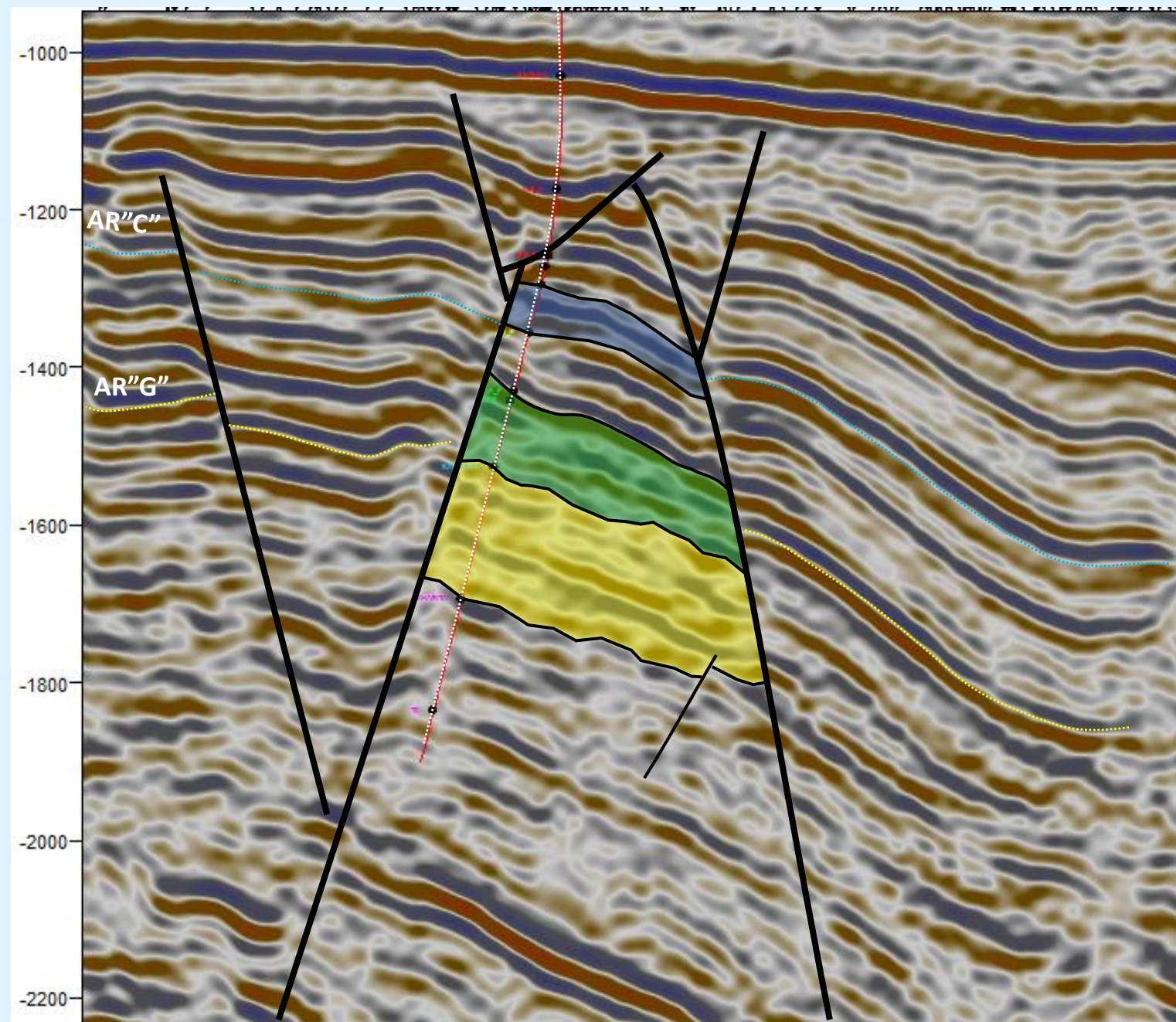




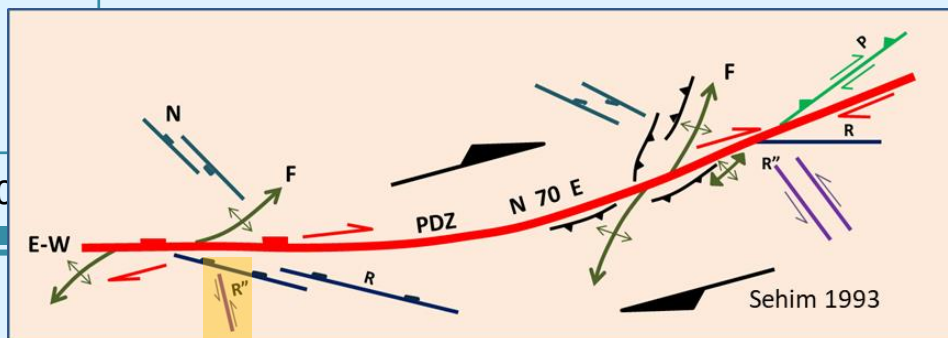
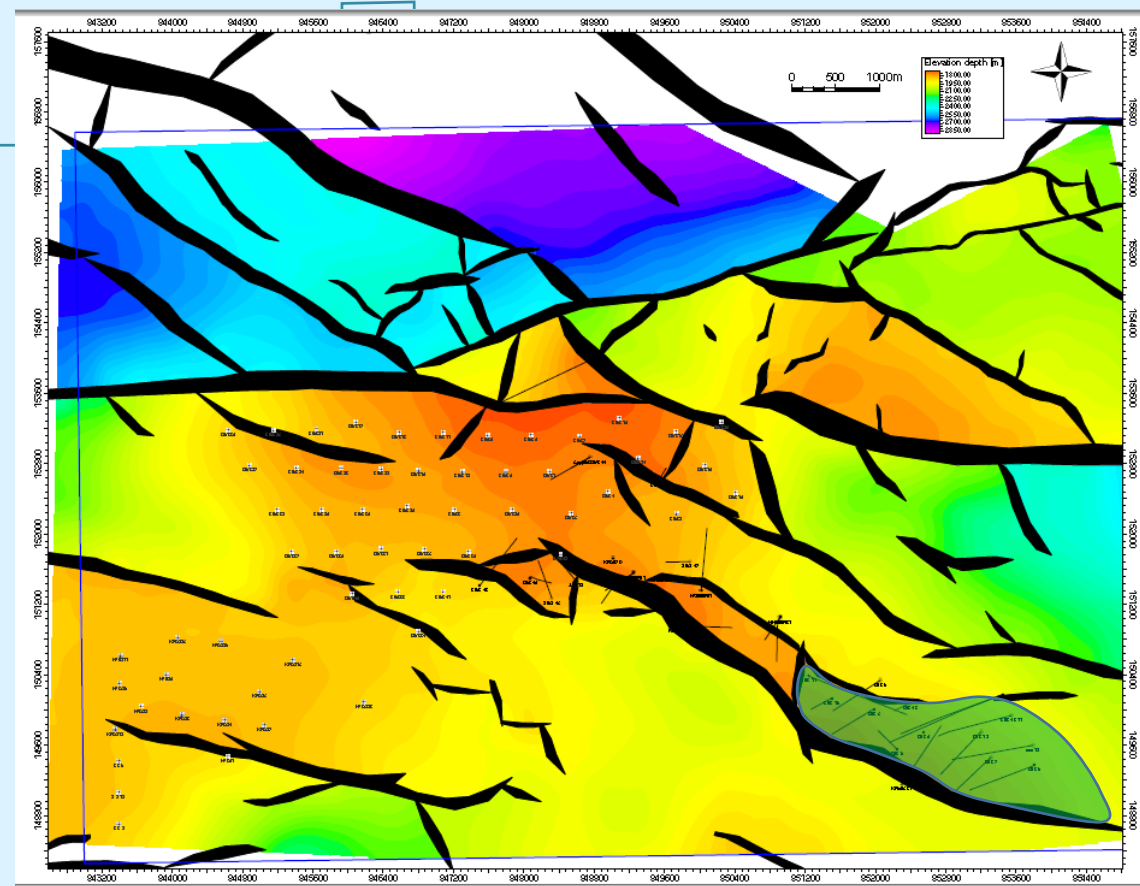
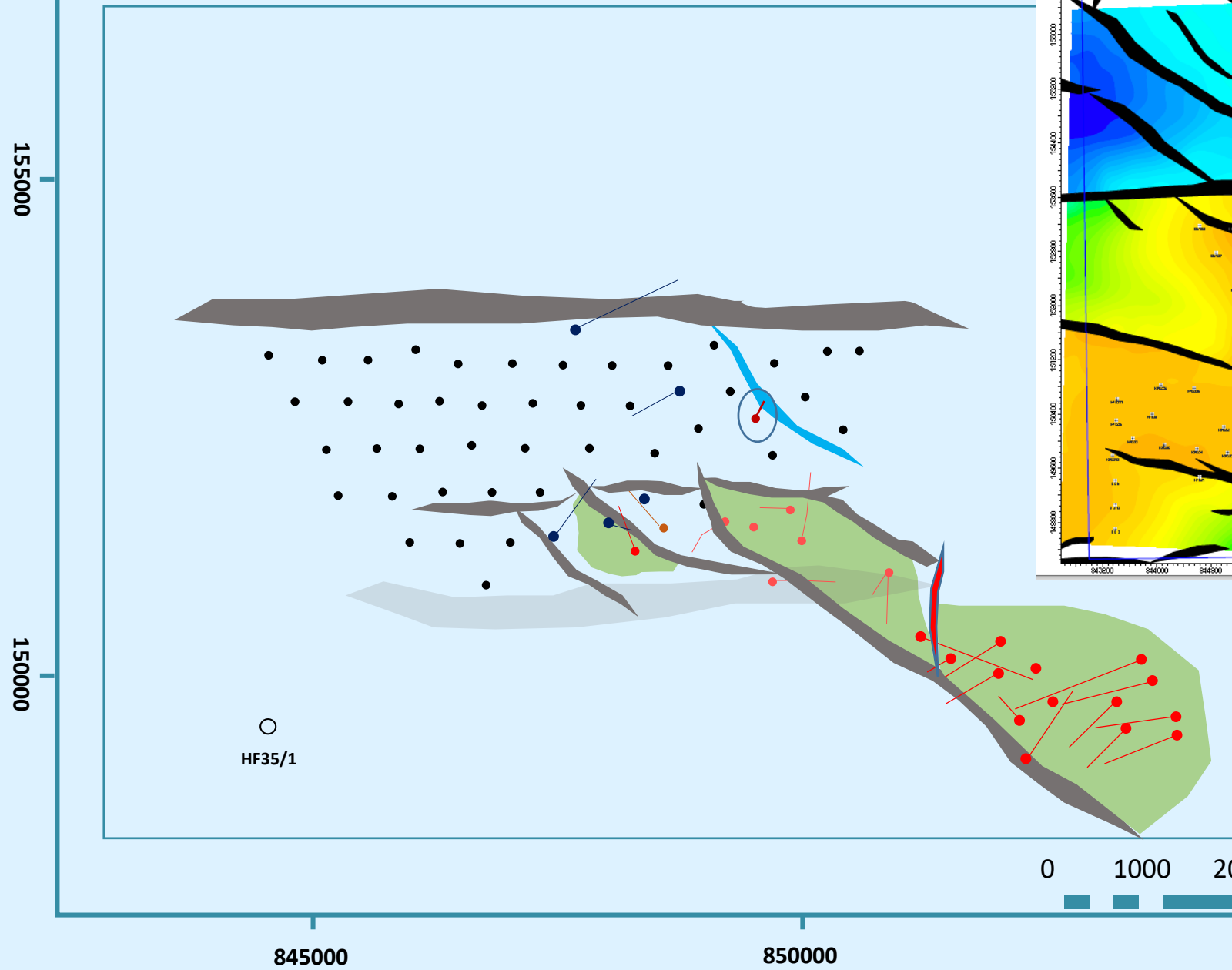
SW

SES-1x

NE

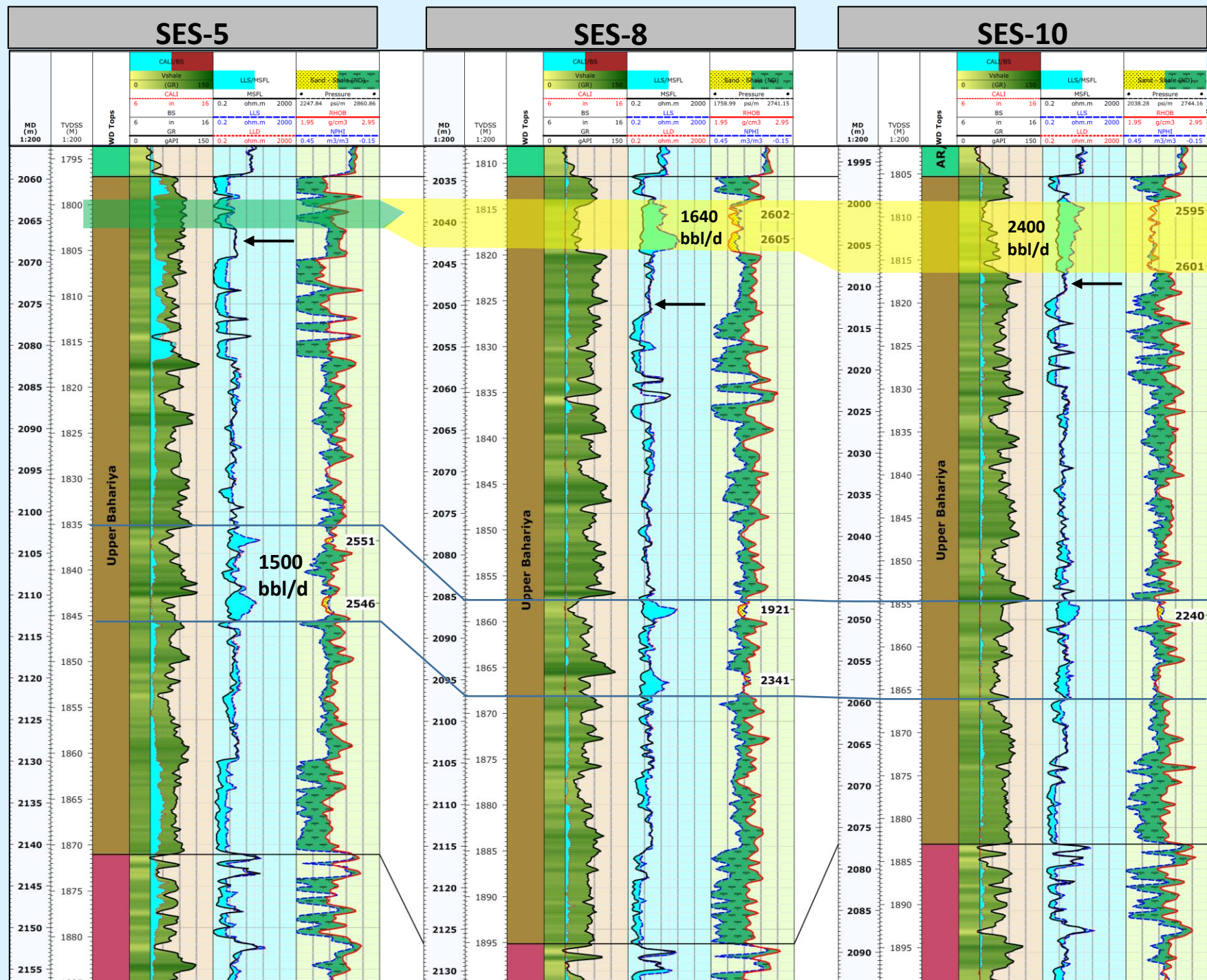


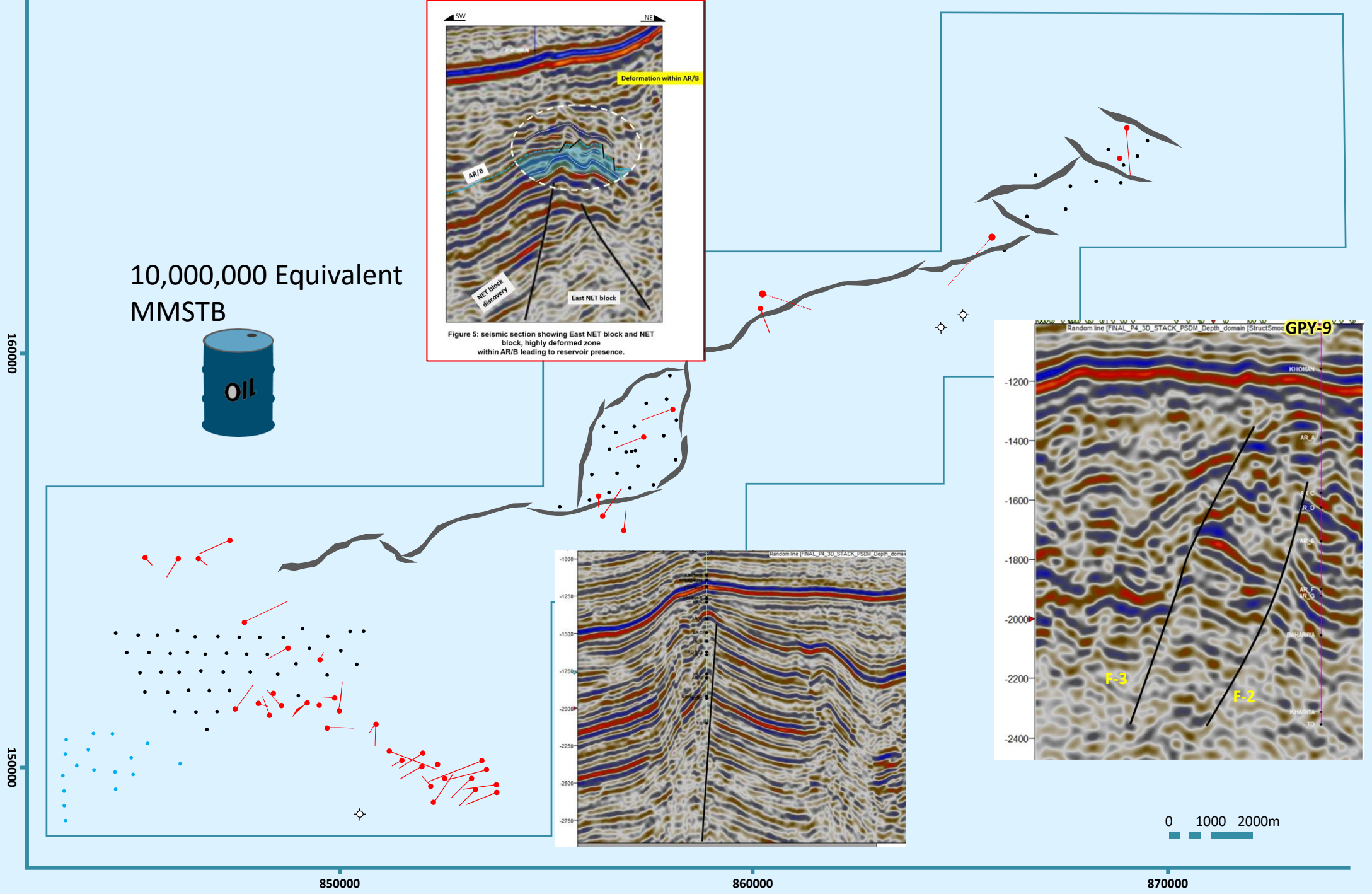
Trend of faults not azimuth





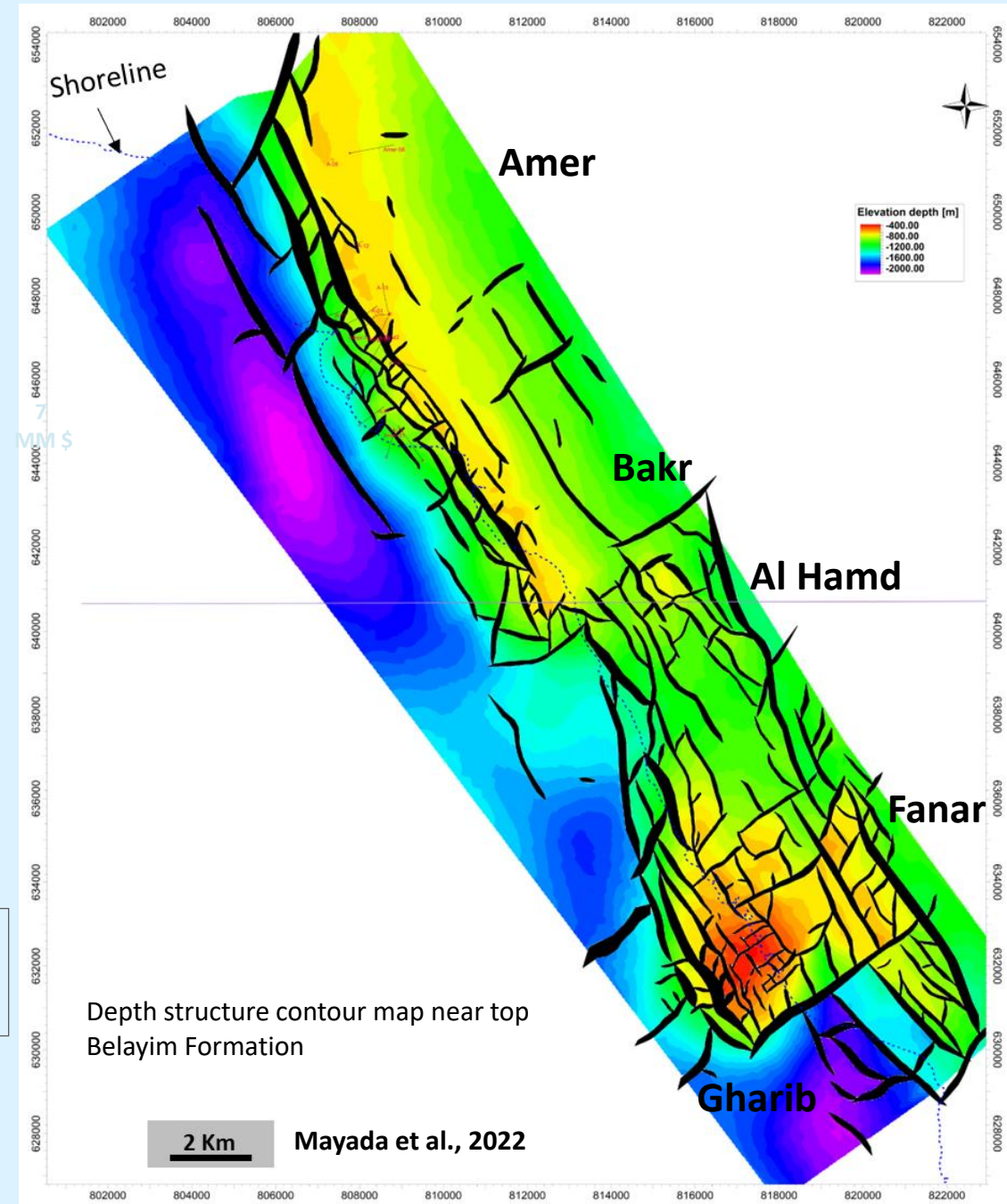
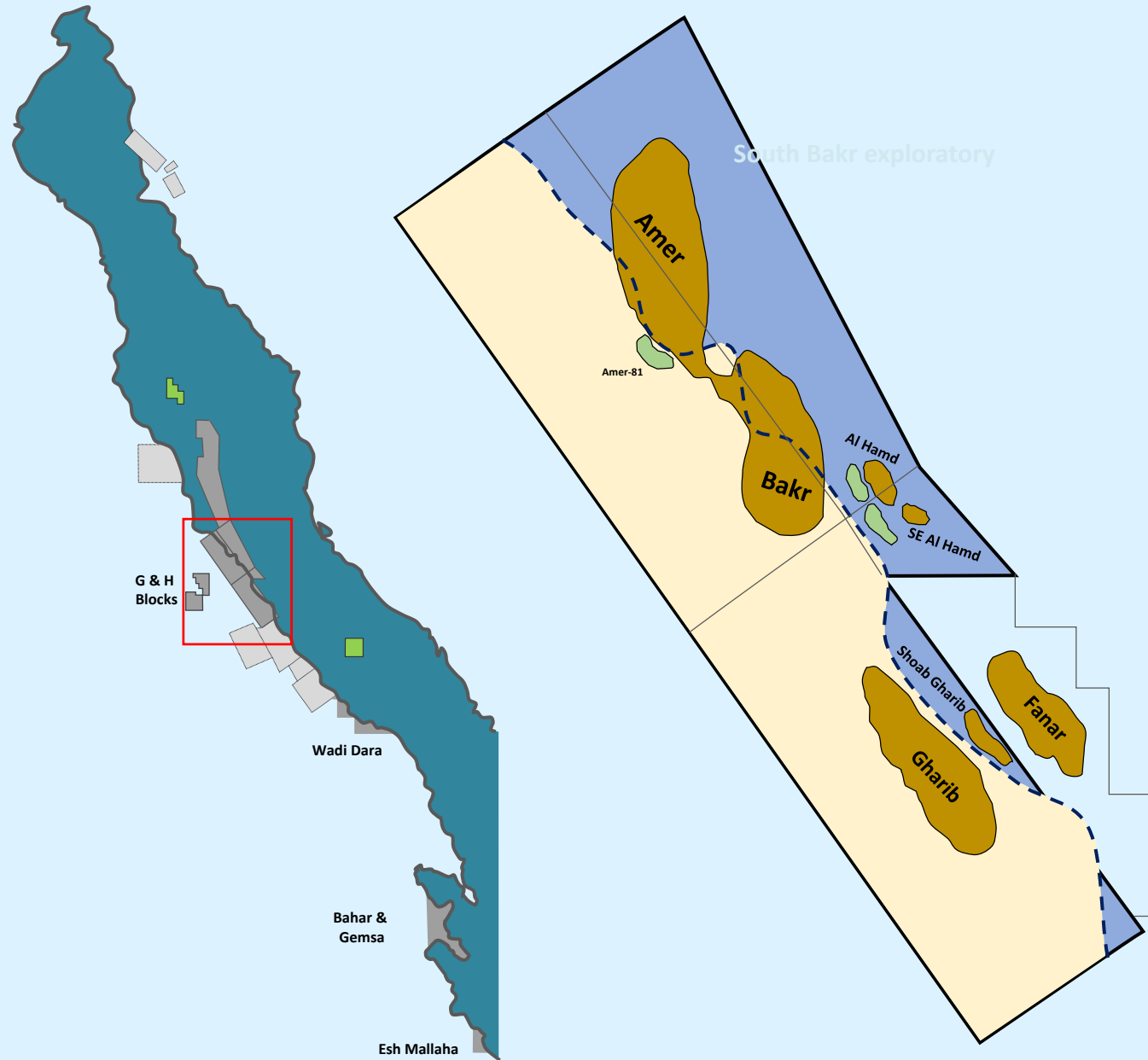
← 1st time in GPC

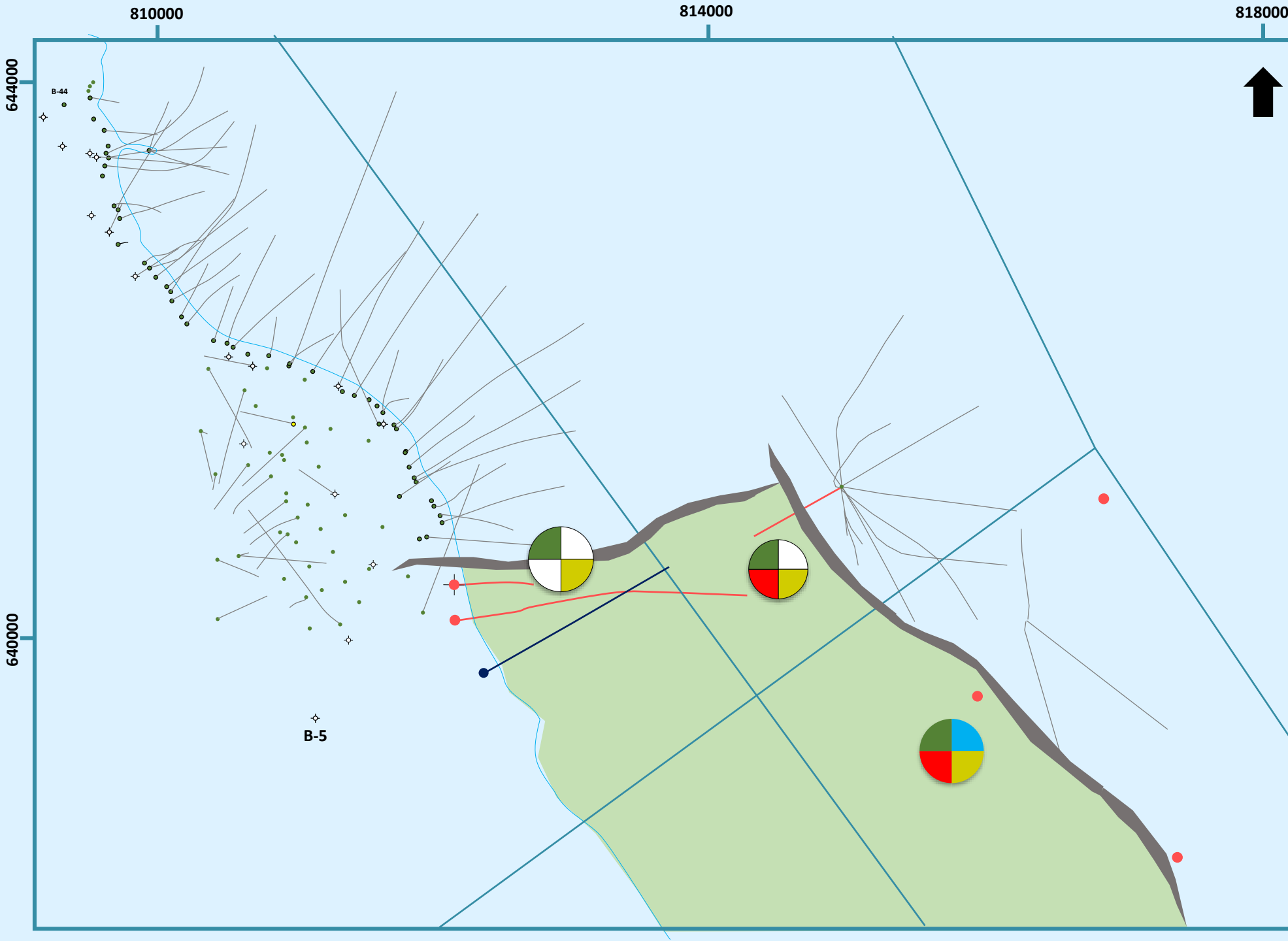




Platform profit

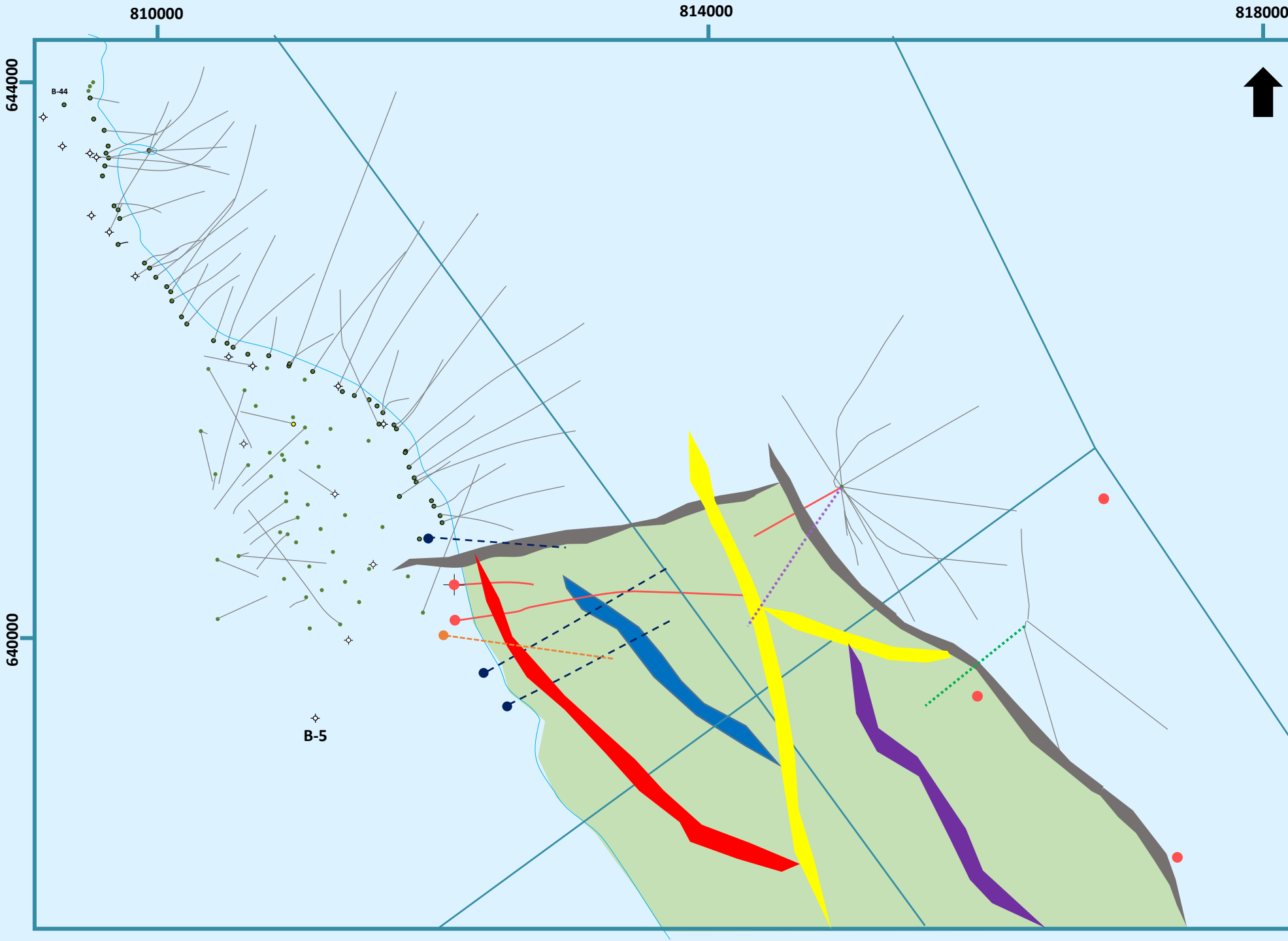
Add 1.5 km along shoreline





۲۰ متر

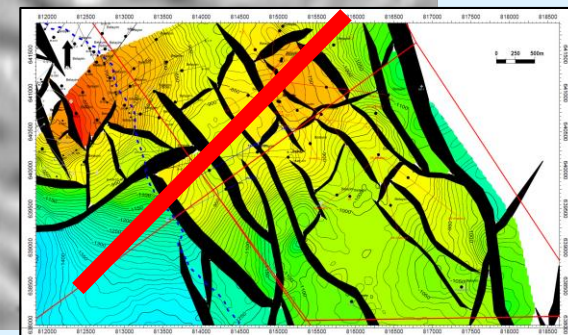
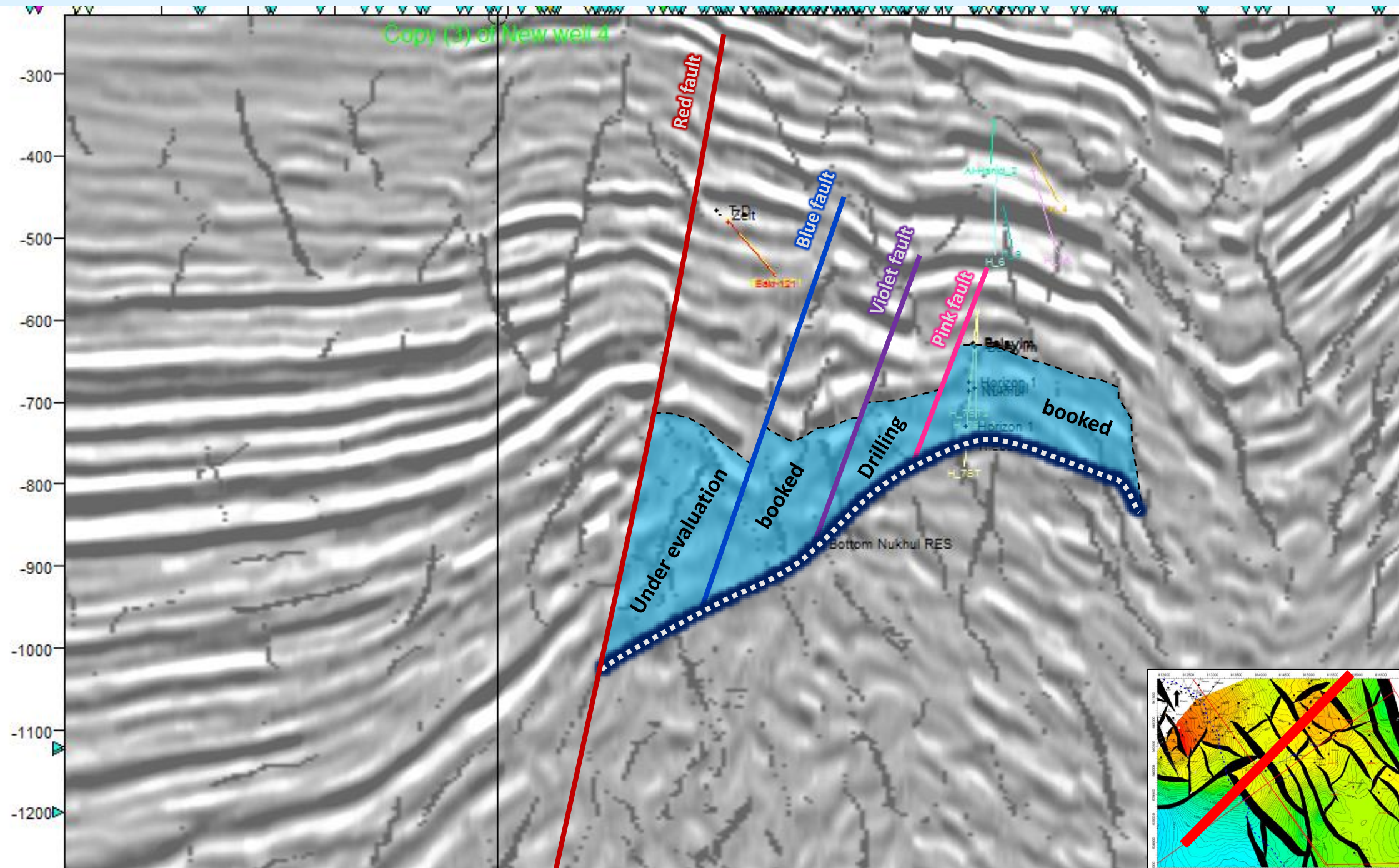
۸۳ متر

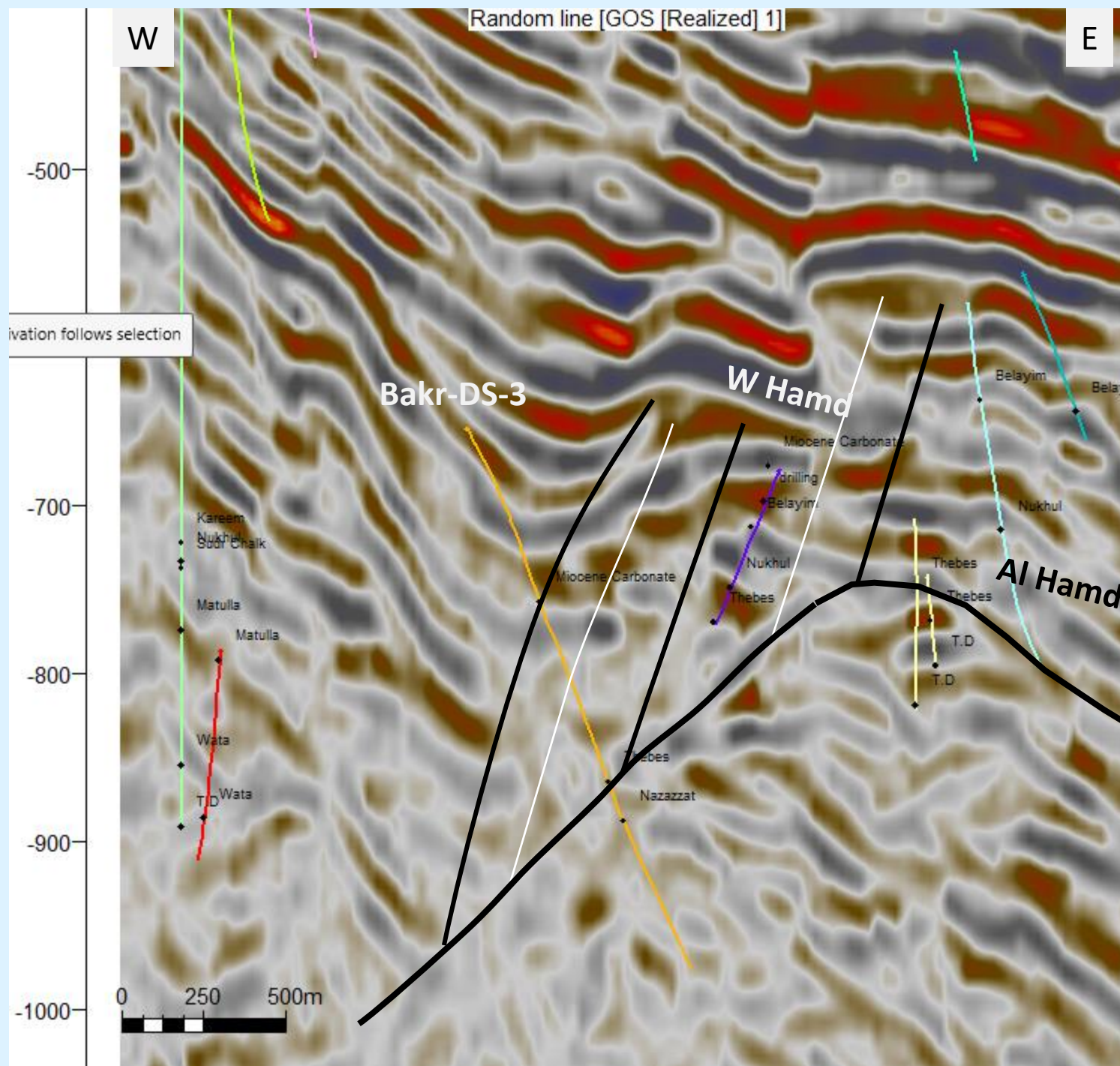


W

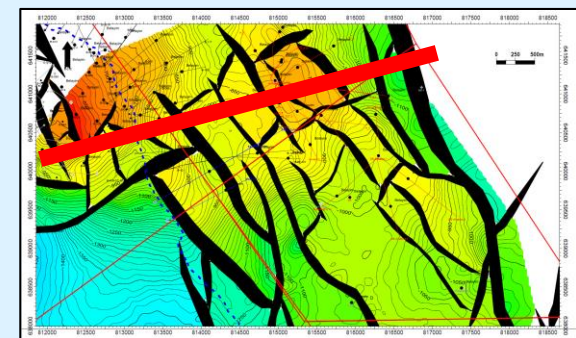
E

Copy (3) of New well 4





Impact of well
on the next steps



Thank you