Fruitland Coal Infill
De Novo Hearing
LPA Geology and Engineering

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Outline

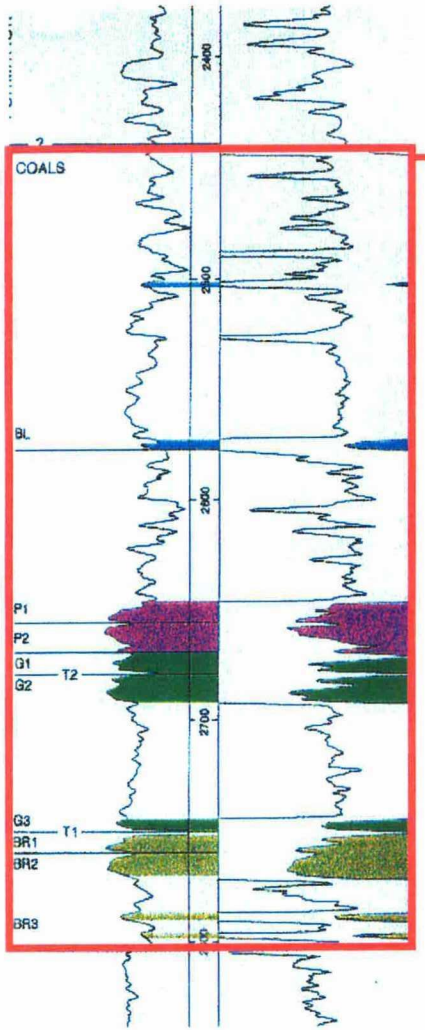
- Summary and Conclusions
- OGIP and recovery factor calculations
- Layered pressure test results from pilot program

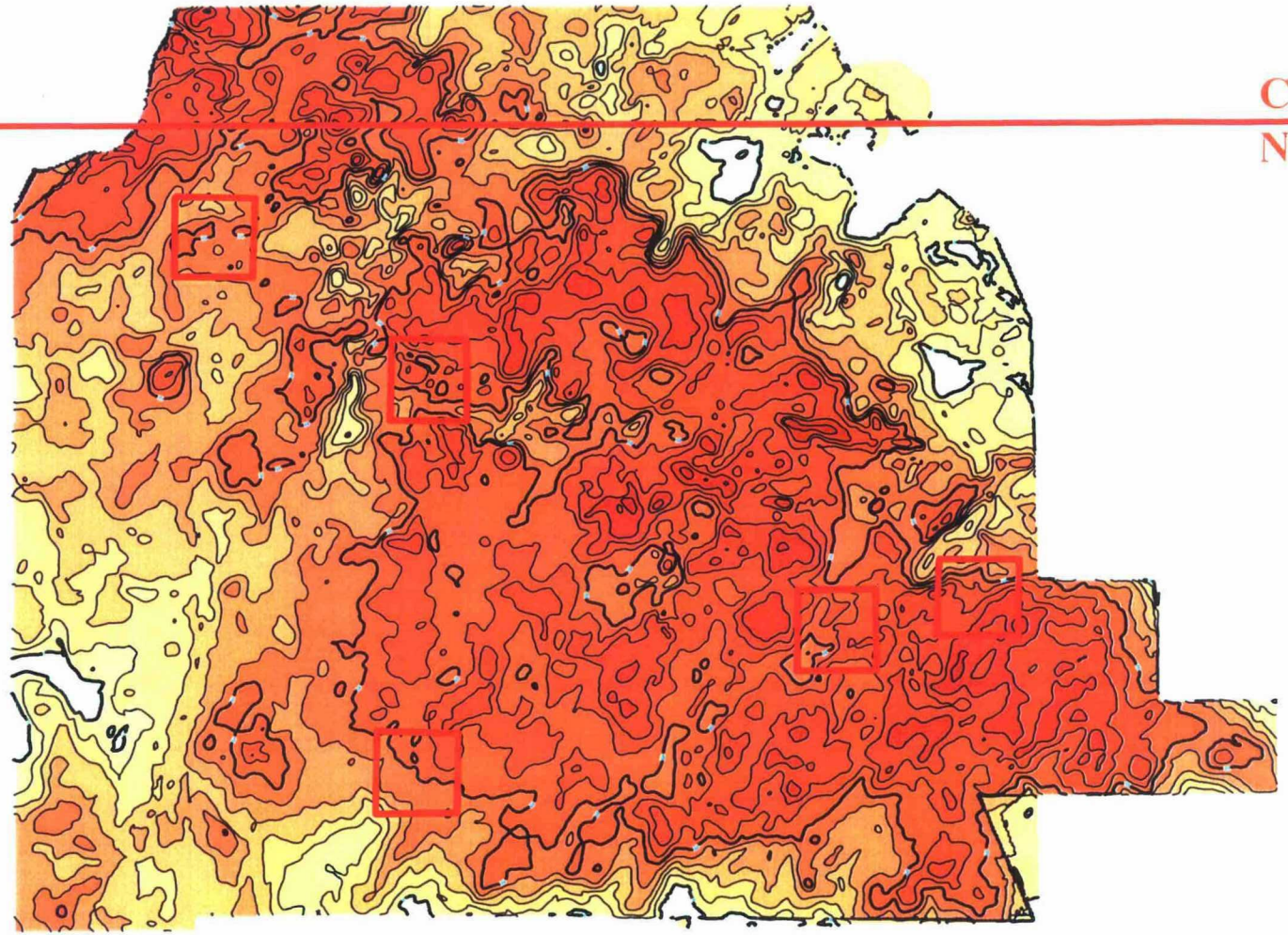
Summary and Conclusions

- Current well density in UPE portion of the pool results in inadequate recovery
- Pilot wells demonstrate inadequate drainage in some or all coal layers
- Pilot well results are transferable to UPE

Total Thickness Isopach

T32N - R11W, CO



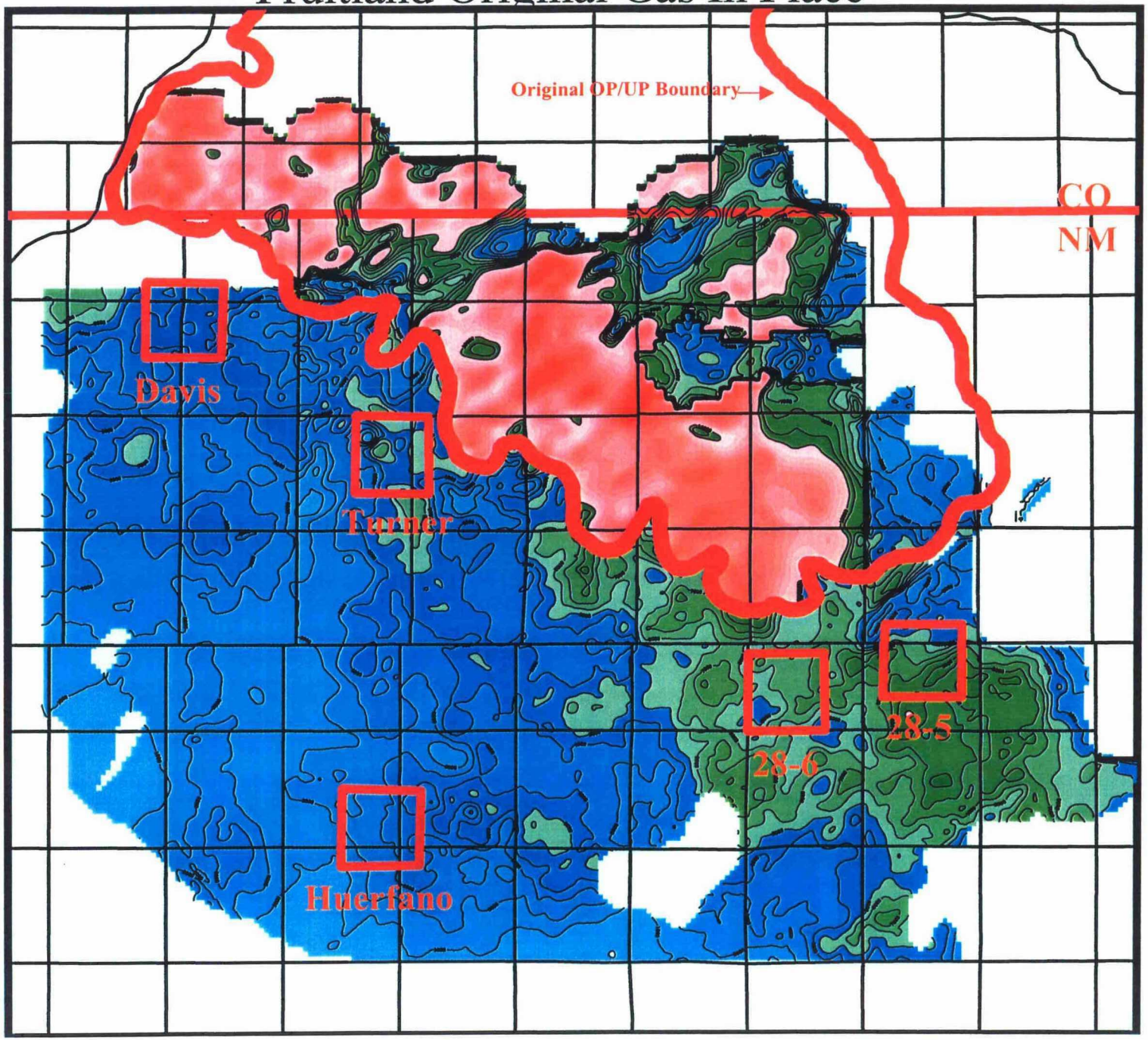


CO
NM

Total Thickness Isopach

CI: 5'

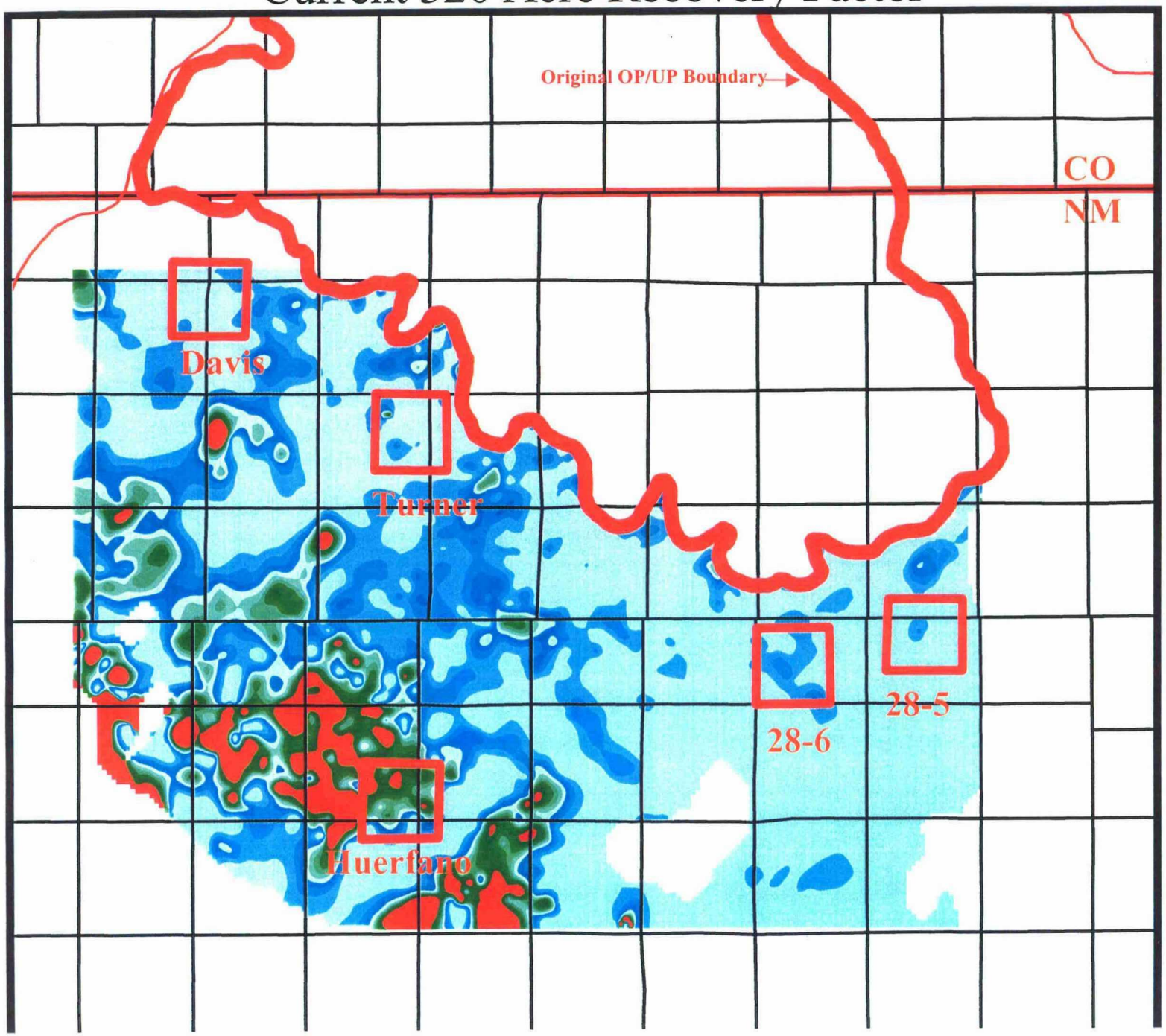
Fruitland Original Gas In Place



Blue: 0 – 5 BCF
Green: 5 – 10 BCF
Red: > 10 BCF

CI: 1 BCF

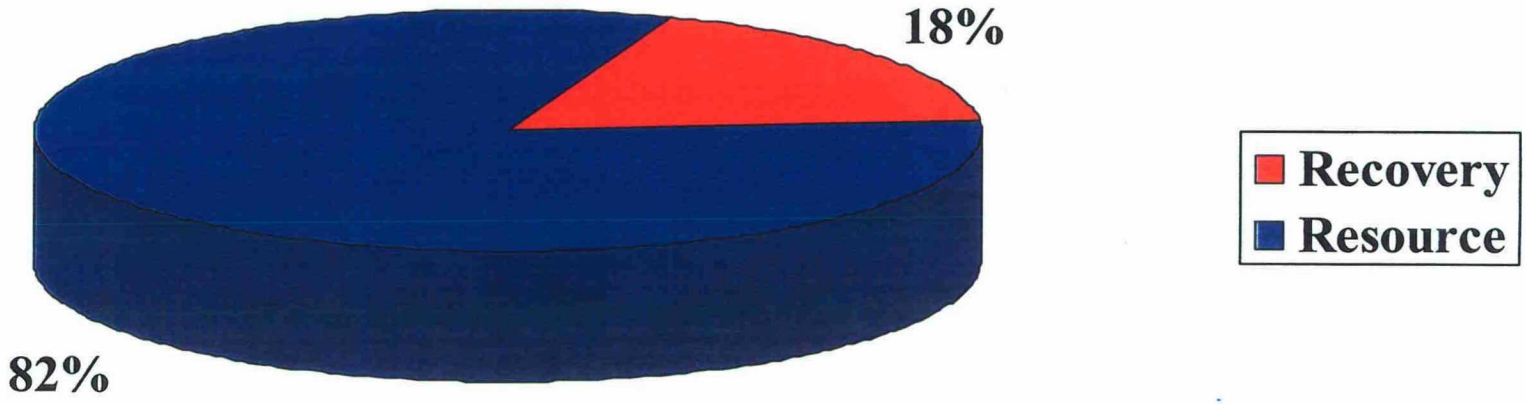
Current 320 Acre Recovery Factor



Light Blue: 0 – 20%
Dark Blue: 20 – 40%
Light Green: 40 – 70%
Dark Green: 70 – 100%
Red: > 100%

CI: 10%

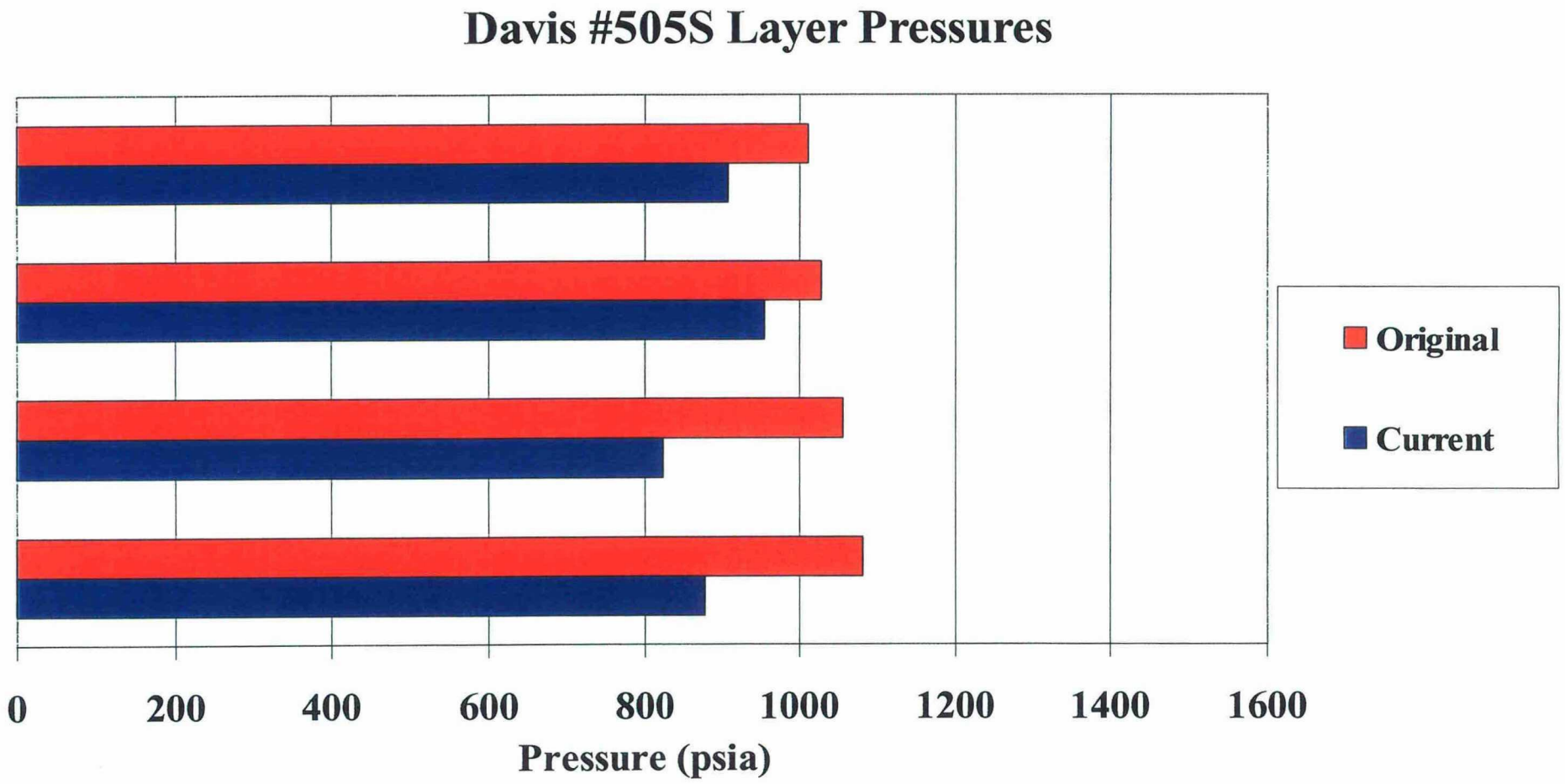
Current Density Results in Inadequate Recovery



Recovery based upon a population of existing wells (~ 1270) assuming 320-acre drainage

OGIP = 5.1 Tcf
EUR = 0.92 Tcf

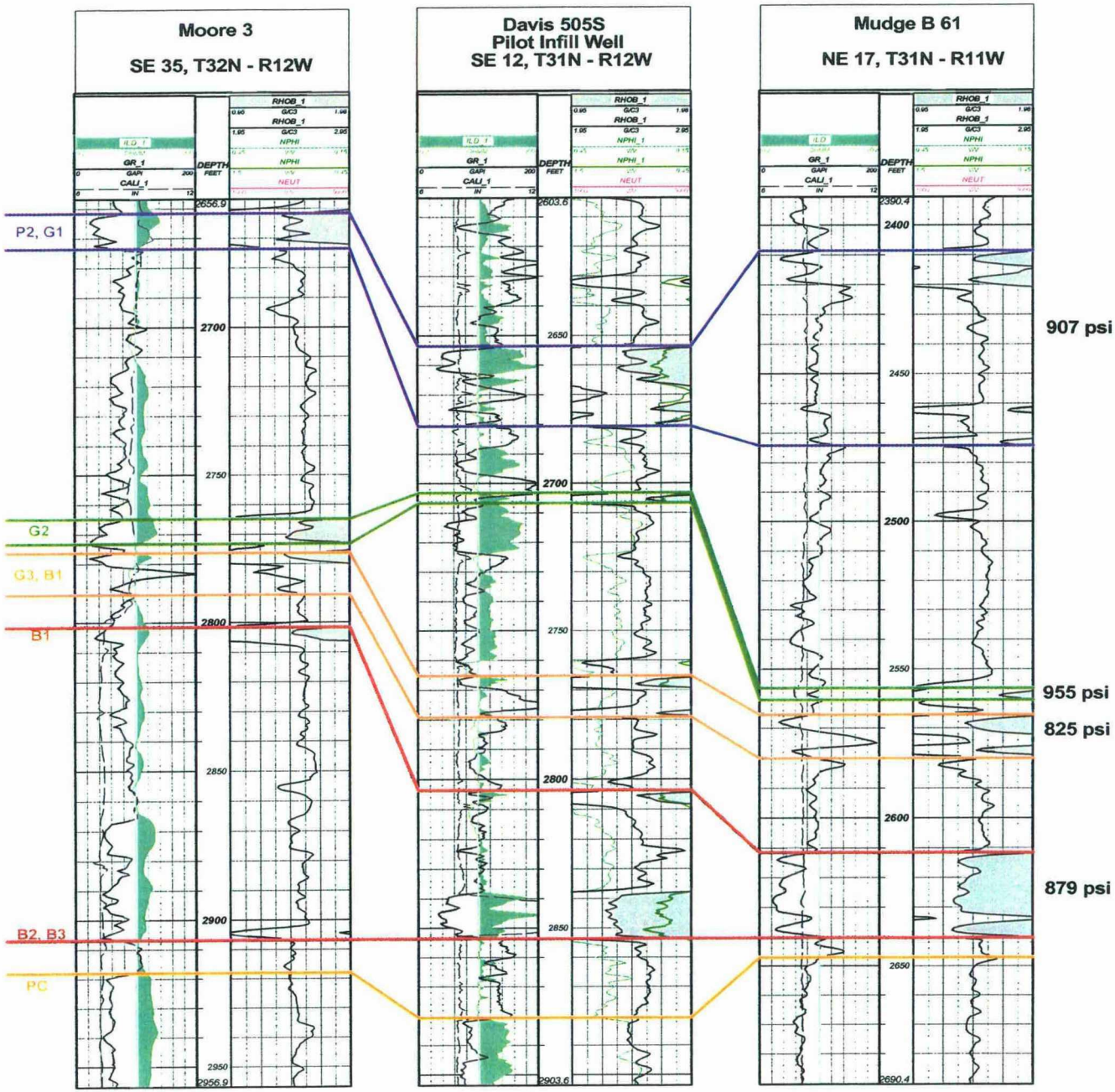
Pilot Wells Demonstrate Inadequate Drainage in Some/All Coal Layers



NW

Strike Section: Davis Infill Area

SE



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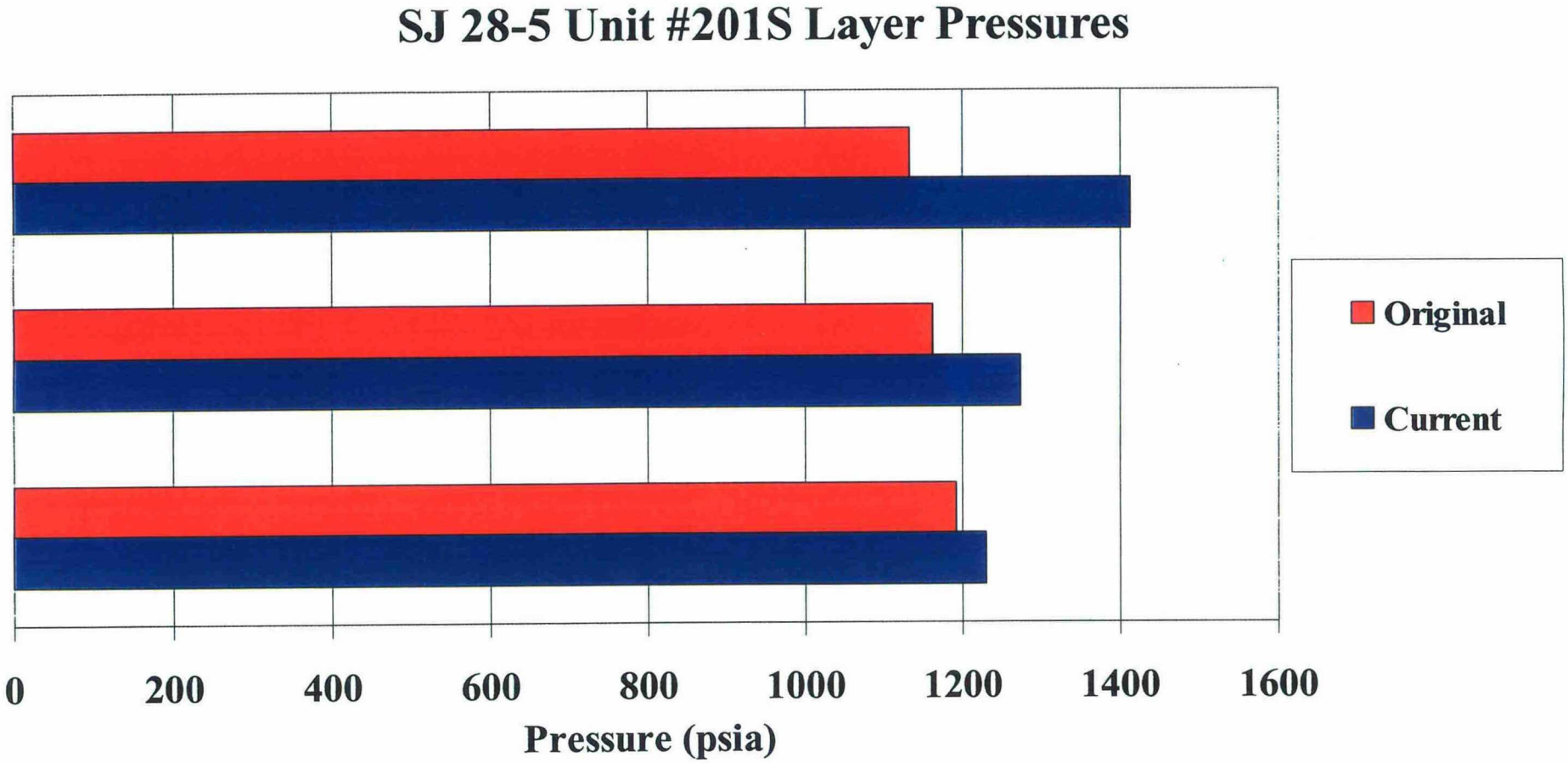
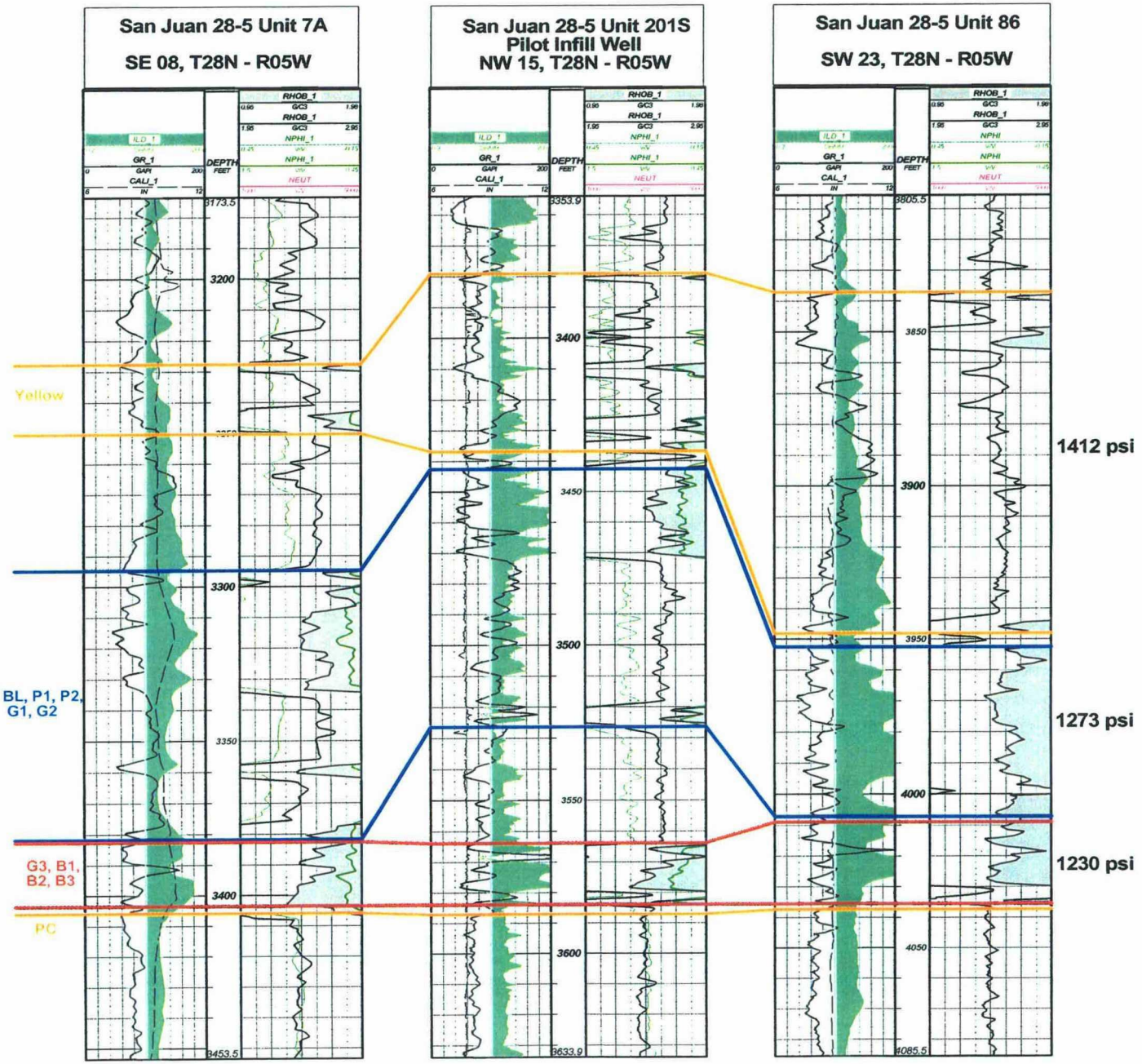


NW

Strike Section: 28-5 Infill Area

SE



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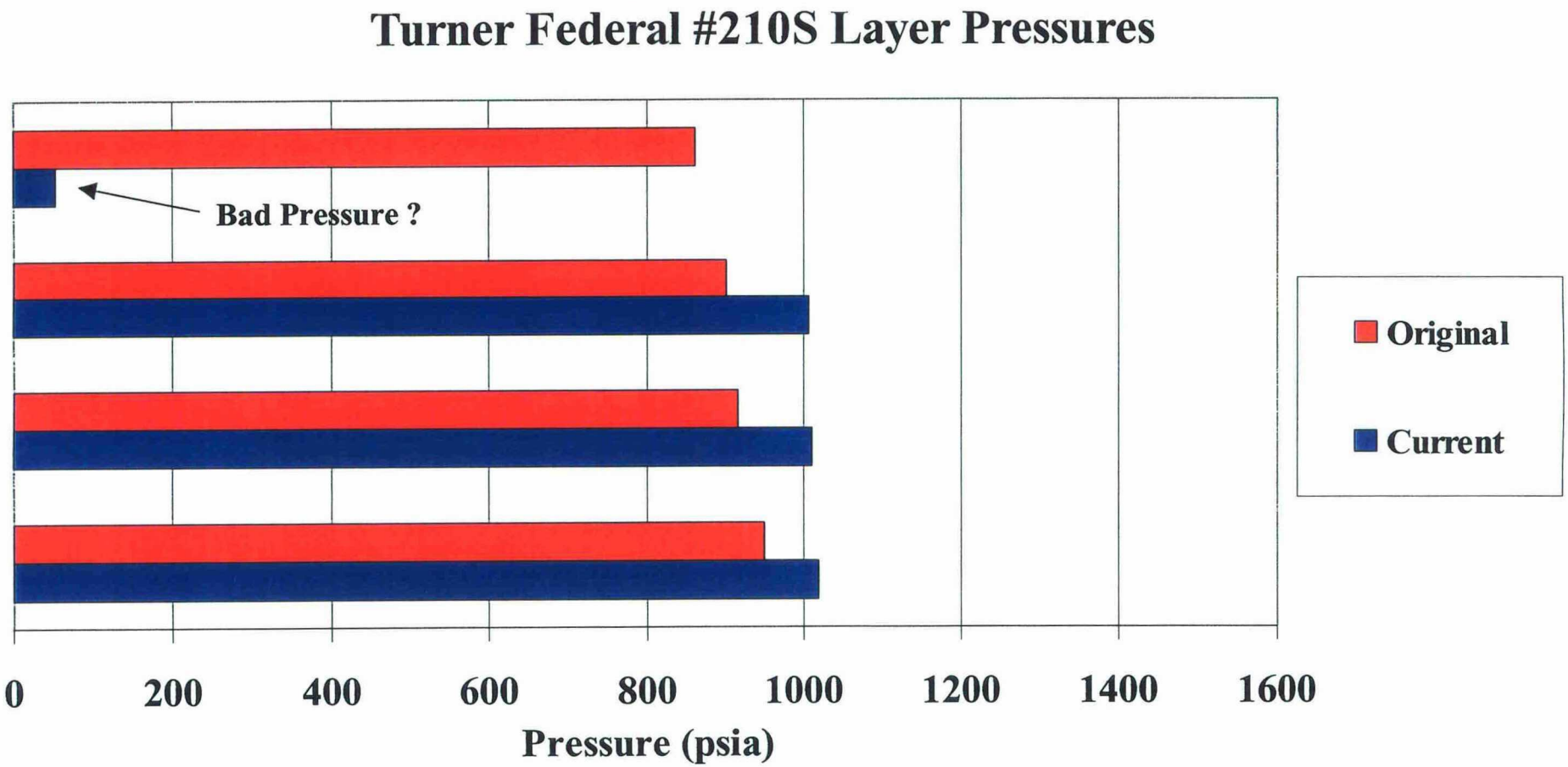
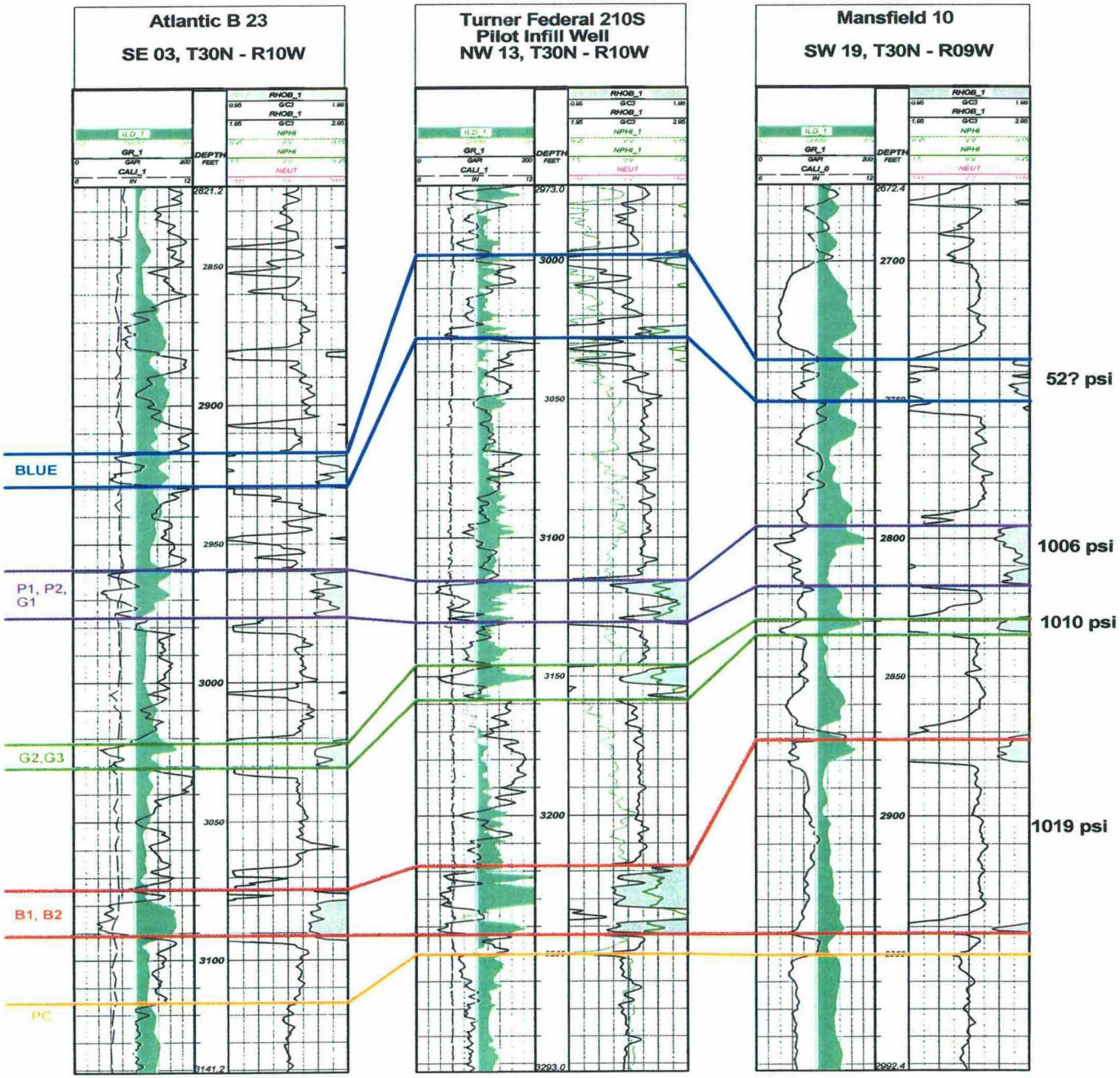


NW

SE

Strike Section: Turner Infill Area



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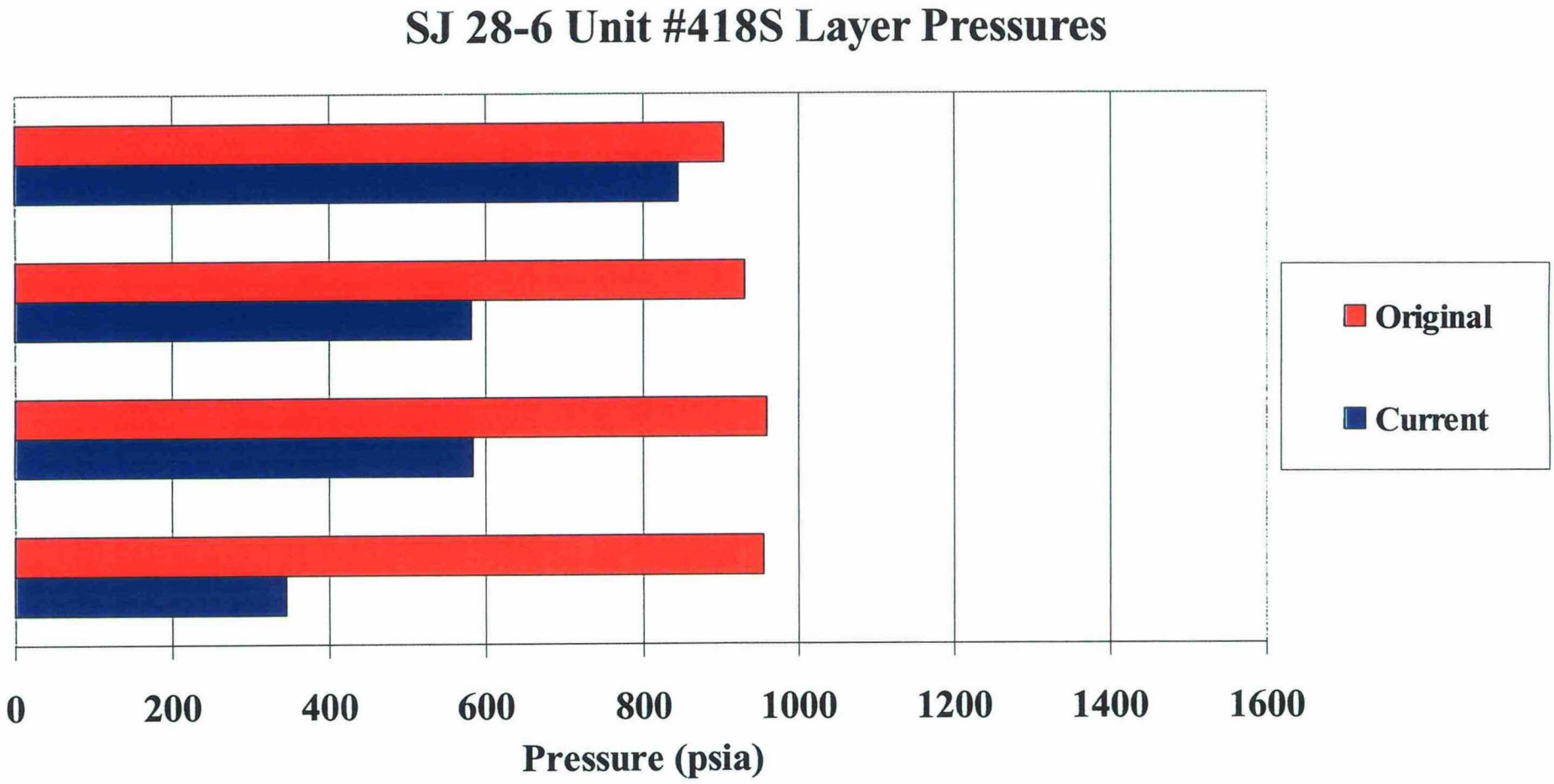
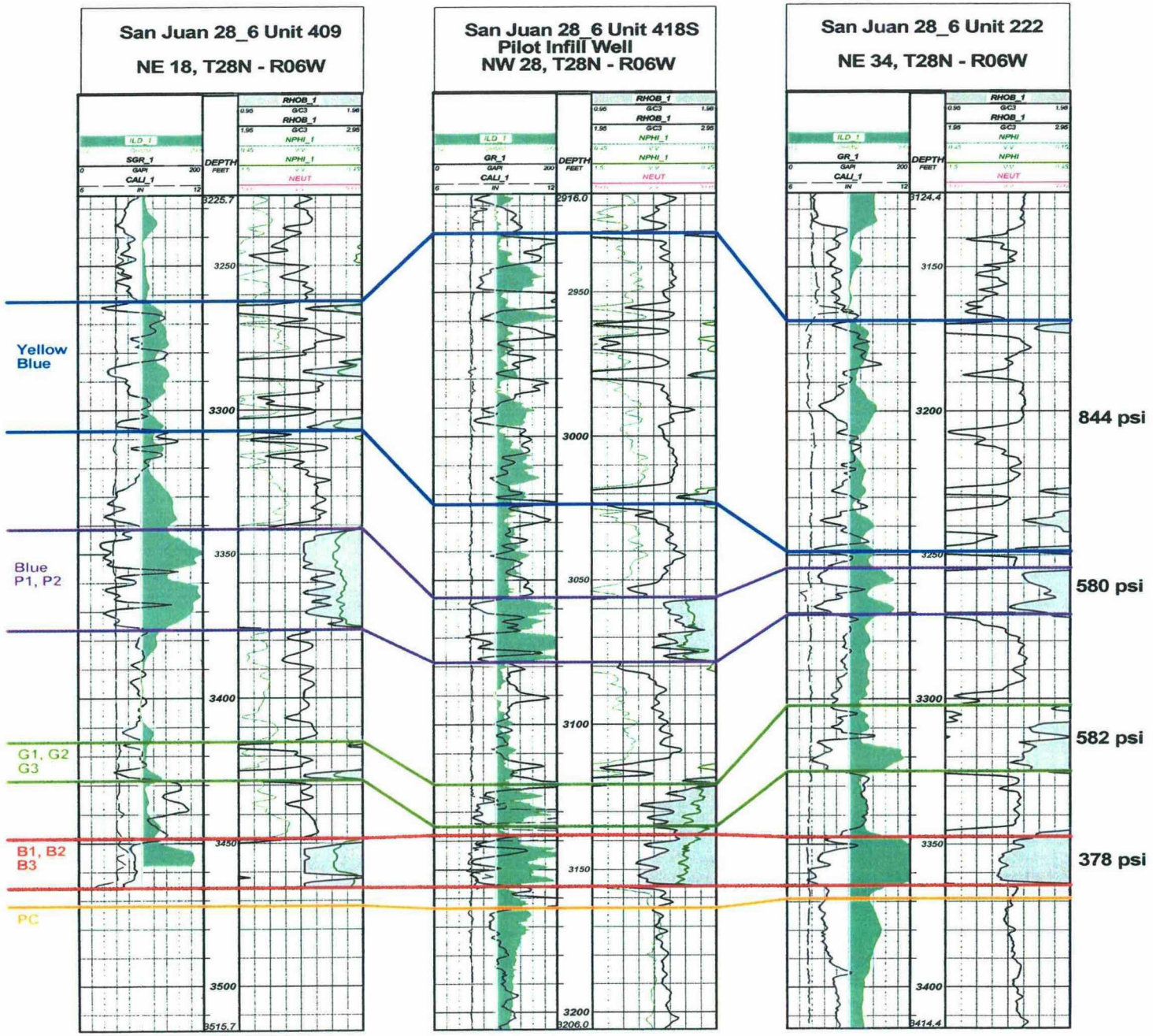


NW

Strike Section: 28-6 Infill Area

SE



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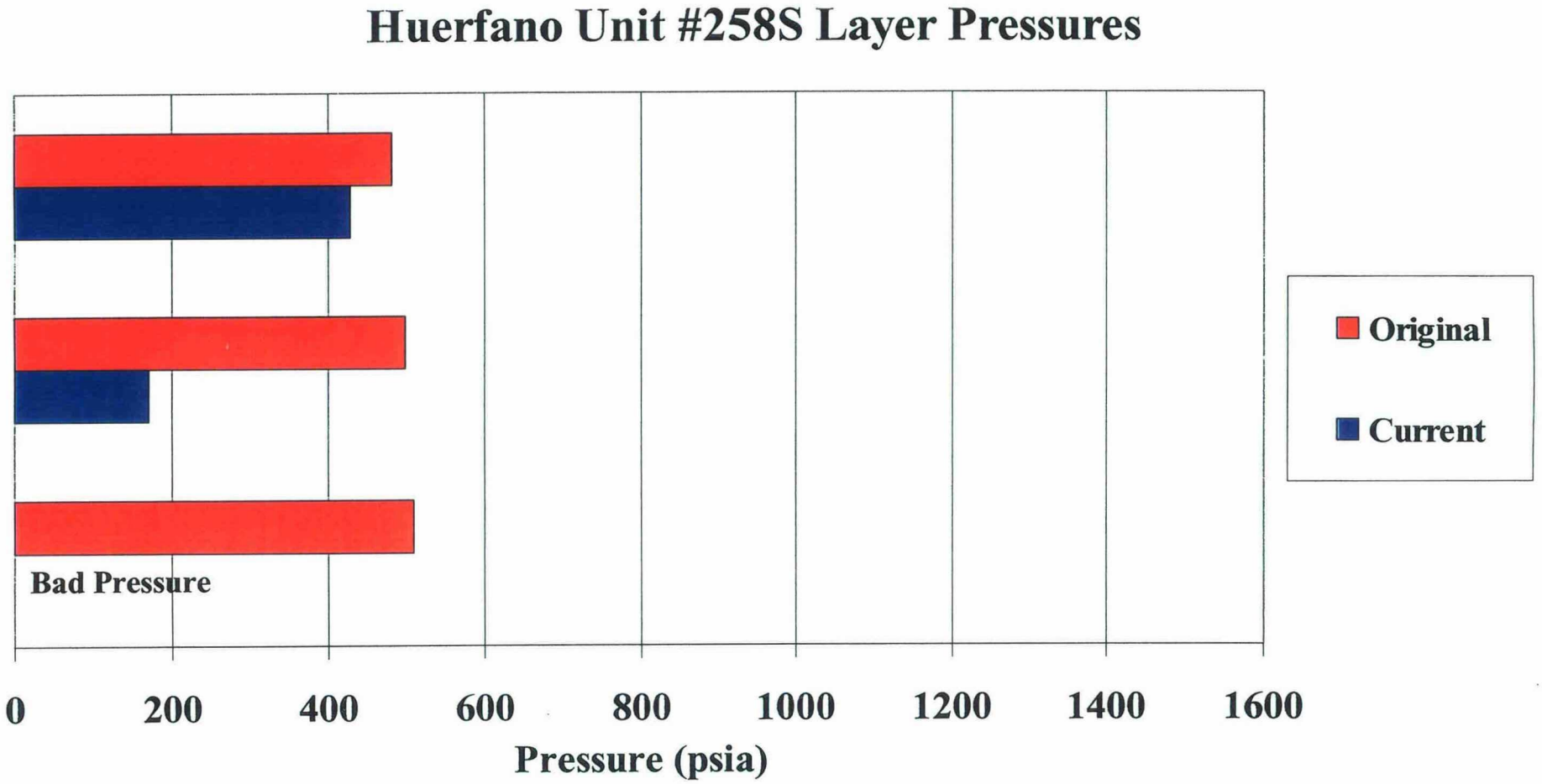
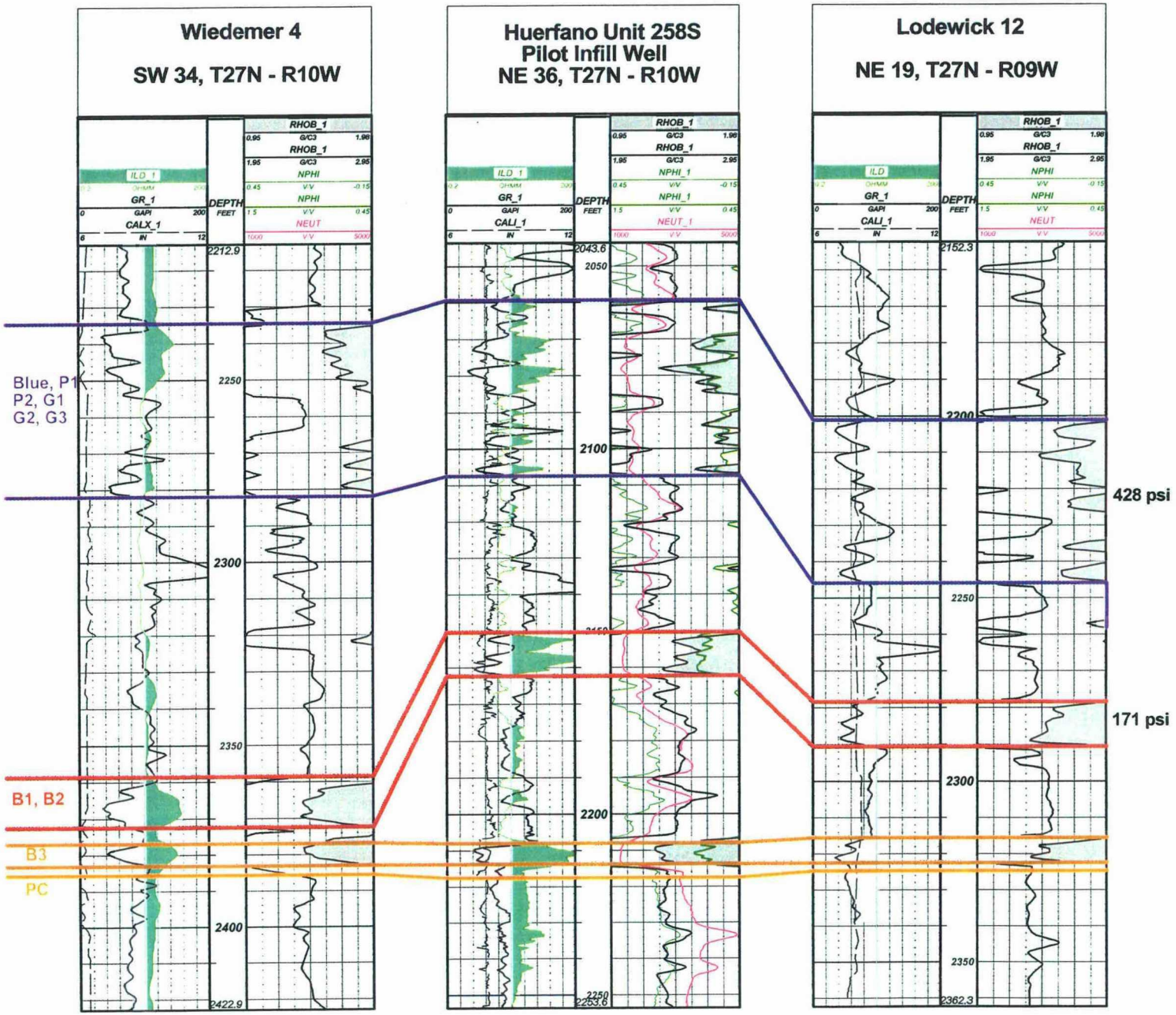


SW

Dip Section: Huerfano Infill Area

NE



LPA Summary

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